



MANIPAL UNIVERSITY
JAIPUR



ANNUAL
REPORT
2018-19



Dr. TMA PAI, Padma Shri Awardee

“Give an individual professional education
and you have given him a lifestyle”

FOUNDER

MANIPAL EDUCATION & MEDICAL GROUP

Visionary | Philanthropist | Physician |
Educationalist | Banker



For and on behalf of the Board of Management

Annual Report 2018-19

Published by



**MANIPAL UNIVERSITY
JAIPUR**

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I

Prominent Visitors on Campus



Prominent Visitors on Campus

Manipal University Jaipur (MUJ), since its inception, has had numerous dignitaries visiting the green campus. The guest list boasts of famous politicians and ministers, government officials from police and defense, vice-chancellors of renowned universities, directors of premier higher education institutions like IIT/NIT/IIM etc., R&D establishments, scientists, industrialists, sports and media personalities and celebrities.

Many foreign dignitaries also visited the campus for signing of MoUs, attending international conferences and seminars. Students from universities of USA, Australia, Switzerland, Germany, France, Canada, Belgium etc., have visited the campus and appreciated our academic and infrastructural facilities.

Important dignitaries who visited MUJ campus during the last one year are as under:

- Marcin, Systems Research Institute, Polish Academy of Sciences, Poland.
- Dr Daing Mohamad Nafiz Bi Head of Master Programme, Faculty of Engg., Universiti Malaysia Pahang.
- Ms Vidya Suresh, Country Manager (India), ESIGELEC, Mr Romain (Head In-charge of Education in India, Embassy of France). Ms Sanjana Sarkar, Manager, Campus France.
- Prof Antonio Villivarde, Chair Professor of Microbiology, Institut de Bioteconologia de Biomedicina, Departament de Genètica i de Microbiologia, Universitat Autònoma de Barcelona, Research Network Center in Bioengineering, Biomaterials and Nanomedicine.
- Rafael Caldeirinh Head of Research Group on Antennas & Propagation – Leiria, Instituto
- Telecomunicações, Polytechnic Institute of Leiria, Portugal.
- Dr Kapil Gupta, Associate Professor, Mechanical and Industrial Engg. Technology, University of Johannesburg (Doornfontein Campus).
- Dr R.K Pillai, Professor of Civil Engineering, IIT Madras.
- Dr Vidya Jain, Professor of Political Science, University of Rajasthan.
- Dr Sunneel Pandey, Director, Environment and waste management, Teri, Delhi.
- Mr Vijay Vir Singh, Niti Aayog Chairperson, Rajasthan.
- Mr Rajendra Singh, Director, SOS Physical Education, Jiwaji University, Gwalior (M.P.).
- Dr VM Katoc Former Secretary, Department of Health Research, Govt. of India, & Director General, ICMR
- Dr K K Pathak IAS, Commissioner Industries.





II

OVERVIEW

Chairperson's Message



It is with great joy and a sense of fulfilment that the Annual Report of Manipal University Jaipur (MUJ) for the academic session 2018-19 is being presented.

The 2018-19 Annual Report is unique for Manipal University Jaipur as it highlights many of the significant accomplishments of the year gone by. It echoes the efforts of a team which has been serving for the betterment and advancement of MUJ.

The Indian higher education system needs to propel itself by striking a balance between quality and quantity. A multi-pronged strategy is need of the hour. Keeping this objective in mind, MUJ has continued to focus on supporting and enhancing education, research, innovation, community connect, and consultancies for a better tomorrow.

It is very heartening to note that our students have been performing exceedingly well in all the disciplines- Engineering, Architecture, Design, Arts, Law, Business, Commerce and Management. It is university's endeavor to develop students who are role-models not only academically but also ethically in their relentless pursuit of scientific excellence. Our faculty and our students have won honors and accolades in various platforms and we are delighted to showcase these in the Annual Report 2018-19.

Very best wishes, as always.



Dr K. Ramnarayan
Chairperson

President's Message



I am delighted to present Manipal University Jaipur's achievements and accomplishments for 2018-19.

The University has made rapid strides in the past year. It has earned many awards and recognitions in the process of striving to be an Institute of Excellence through its professional education. The most recent one is that the University has been ranked 6th in (Top 25 Young Universities) and 9th ranked in (Top 50 private Universities) by the Outlook Care Rating 2019. Other accolades include -World Clean and Green University Campus awarded by NICER, Best Educational Institution in Rajasthan by Employers' Association of Rajasthan etc.

The University has continued to deliver on its vision and is proud of how much has been accomplished. I would like to thank our members of faculty, students and supporting staff for their ongoing support and commitment to complement our efforts. We strongly believe in Martin Luther King Jr. saying that "Intelligence plus character" is the goal of education system. We are keen to provide a holistic education to the future generation by playing a positive role in nation's building of human capital.

I am sure that this vibrant and stellar multi-disciplinary university will continue to sparkle and instill values in the budding students pulsating with intellectual vigour.



Dr G K Prabhu
President

Pro President's Message

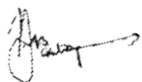


With immense pleasure, we present the Annual Report for the academic session 2018-19. It has been the earnest effort of Manipal University Jaipur to be the most preferred university for innovative and multidisciplinary learning. In a very short span of time, Manipal University Jaipur has earned a unique name in terms of quality education and we are committed for the dynamic and perpetual development of the university.

Manipal University Jaipur is fortunate to have a highly professional, experienced, and dedicated faculty members to help our budding students for their overall development.

We have always been committed to create an environment in the university which helps the young minds to blossom and provide a platform for individual thinking and holistic development of the student's personality. The university has carved a niche in terms of a focused research profile and is striving to link academic excellence and research outputs.

We thank all the stake-holders for allowing us to continue to reflect and grow.



Dr N N Sharma
Pro-President

Registrar's Message

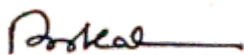


I am pleased to present the Annual Report for the academic year 2018-19. It has been a landmark year for the University in academics, research, innovations & extracurricular activities.

Manipal University Jaipur has carried on the legacy of the Group in providing state of the art technology to ensure value-based education and quality research. The University offers courses which are very much in demand by the industry and which pave the way for higher learning. The university strongly believes in the importance of curricular, co-curricular & extracurricular activities for overall development of personality of the budding students. The university has always encouraged and supported the students in honoring their achievements both in academic and non-academic events.

The excellent faculty is the strength of the university which enhances the learning potential of the students. Ingrained with philanthropic vision and humane touch to encourage the budding students to achieve excellence in their desired fields, Manipal University Jaipur has already carved a niche for itself in the academic nationwide.

I am happy to present the achievements of the university in the form of Annual Report 2018-19.



Dr H Ravishankar Kamath
Registrar

VISION

Global Leadership in Higher Education and Human Development

MISSION

- Be the most preferred University for innovative and interdisciplinary learning
- Foster academic, research and professional excellence in all domains
- Transform young minds into competent professionals with good human values

VALUES

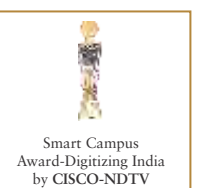
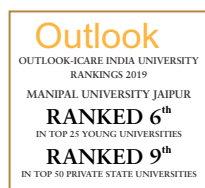
Integrity, Transparency, Quality,
Team Work, Execution with Passion, Humane Touch

Awards & Recognitions

To improve the overall perception of the university, it is imperative that it is recognized by reputed educational and institutional authorities showcasing its academic and infrastructural abilities. Since its inception, MUJ has been conferred with awards prominent being GRIHA and LEED India Platinum Award for Green buildings and environment. The University has been ranked as the fourth cleanest University in the country among 3500 participants as part of Swachhta Ranking by MHRD.

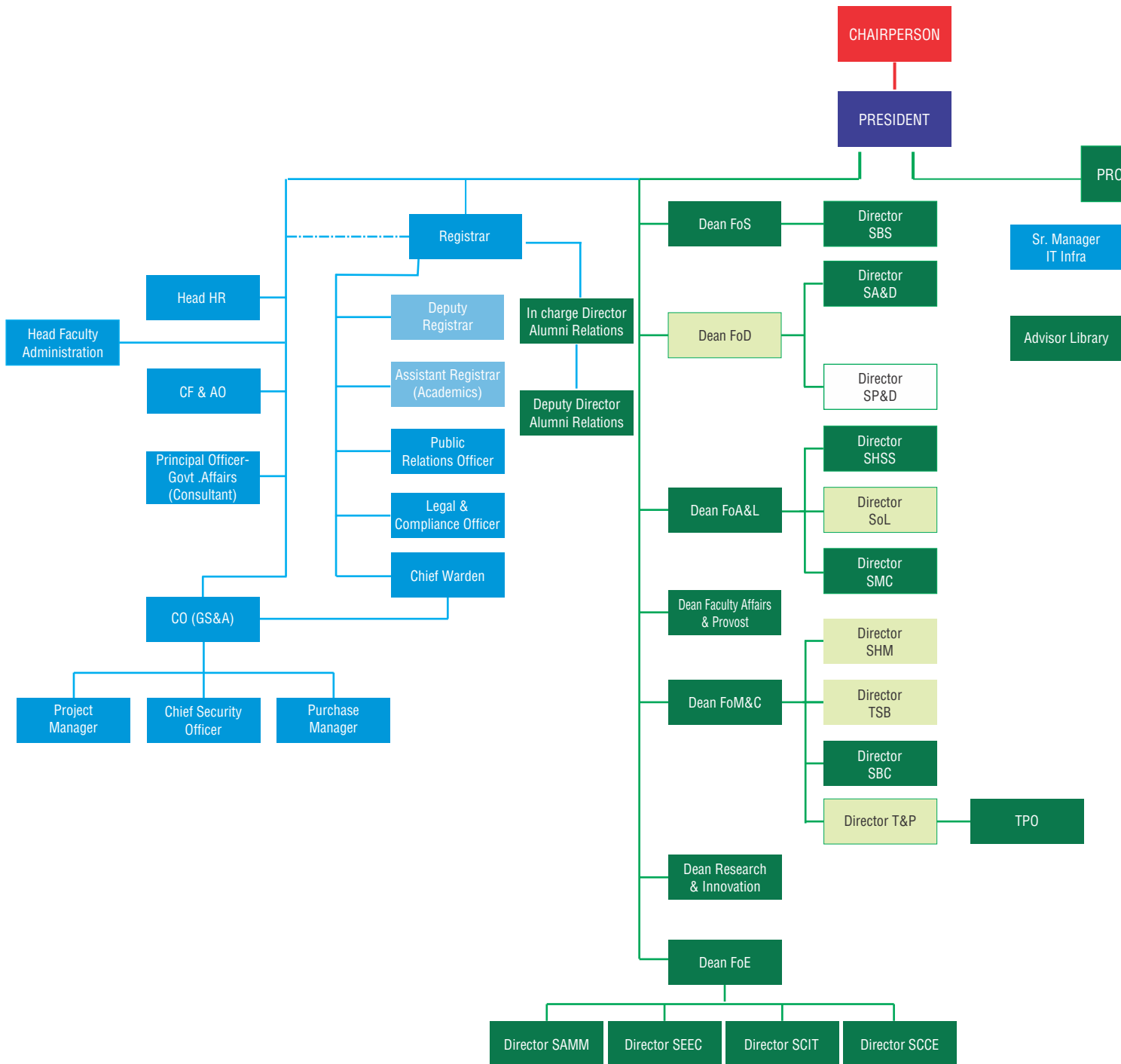
Necessary support in the form of detailed information and background data for evaluating our case for award has been provided by the Registrar office. During the last year Manipal University Jaipur has been conferred with the following awards and recognitions.

- Most Admired University with Excellent Placements in North India Award by World Wide Achievers.
- Introducing Innovations in Teaching Pedagogy Award by ELETS Techno media.
- Excellent University for innovation and Value based education award by CMAI association of India.
- All India 4th Best Clean University Award as part of Swachhta Ranking 2018 by Ministry of HRD
- Fastest Growing University Award by Incredible India Foundation.
- World Education Award by ELETS Techno Media.
- World Clean and Green University Campus Award by NICE.
- RBest Educational Institution in Rajasthan by Employers' Association of Rajasthan .
- 5 Star Rating GRIHA, MNRE, GO.
- LEED INDIA Platinum Award, IGBC .
- Ranked 6th in Outlook - ICARE India University Rankings 2019 under the category of Top 25 Young Universities.
- Ranked 9th in Outlook - ICARE India University Rankings 2019 under the category of Top 50 Private State Universities.
- NIRF Ranking 2019 in the band of 151-200 by MHRD, Govt. of India.
- AICTE recognition for Engineering and Technology- Undergraduate Programme, 2019.
- TAPMI School of Business is in the rank band of 76 -100 by NIRF 2019.
- Rank by The WEEK, 2018 NON GOVERNMENT (PRIVATE AND DEEMED) MULTI DISCIPLINARY UNIVERSITY-NORTH ZONE 08.
- Rank by The WEEK, 2018 MULTI DISCIPLINARY UNIVERSITY-NORTH ZONE 21.
- Rank by The WEEK, 2018 NON GOVERNMENT (PRIVATE AND DEEMED) MULTI DISCIPLINARY UNIVERSITY-ALL INDIA 27.
- Rank by The WEEK, 2018 MULTI DISCIPLINARY UNIVERSITY-ALL INDIA 64.



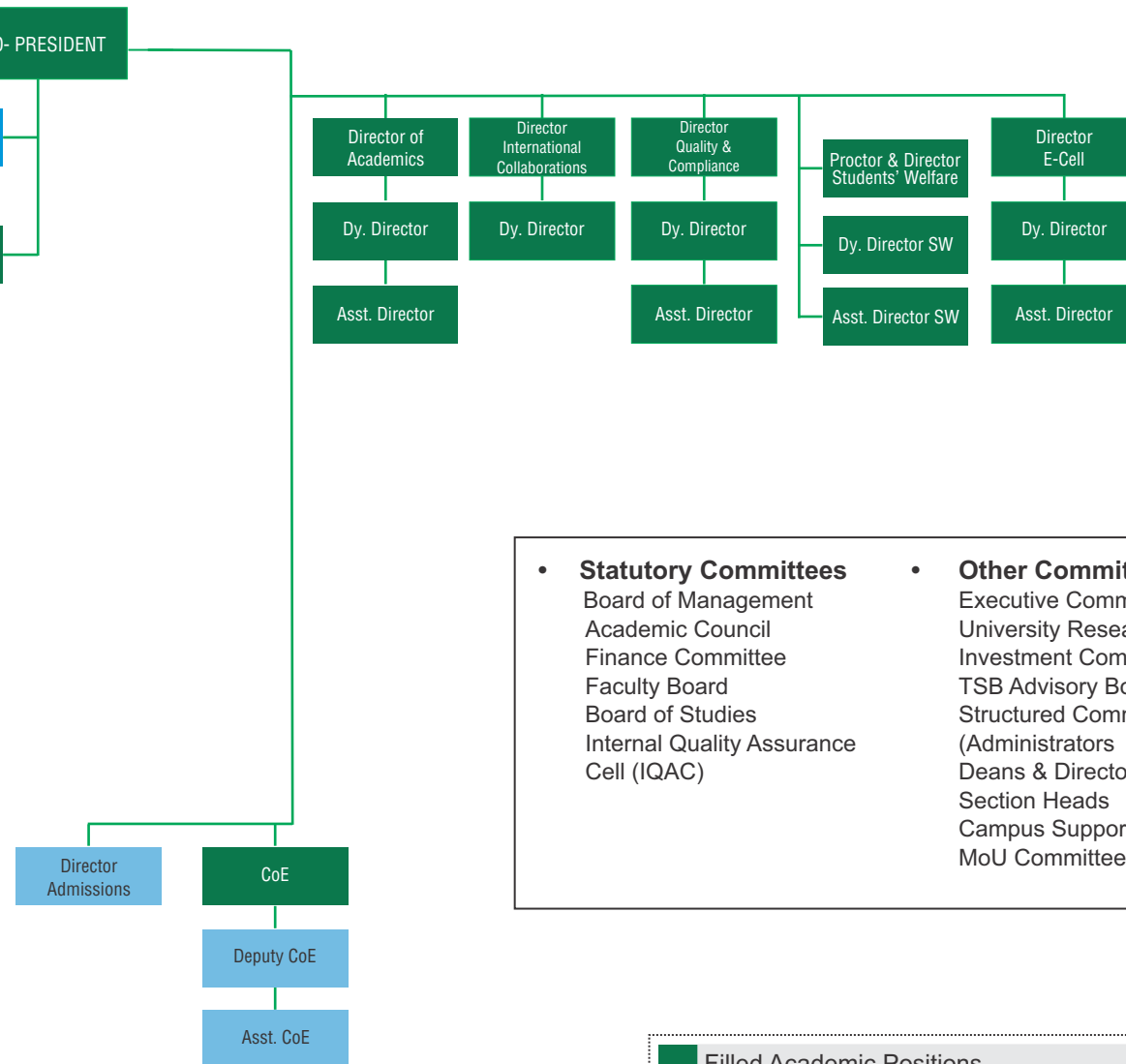
All University statutory/official communication outside will be routed through the Registrar

Function





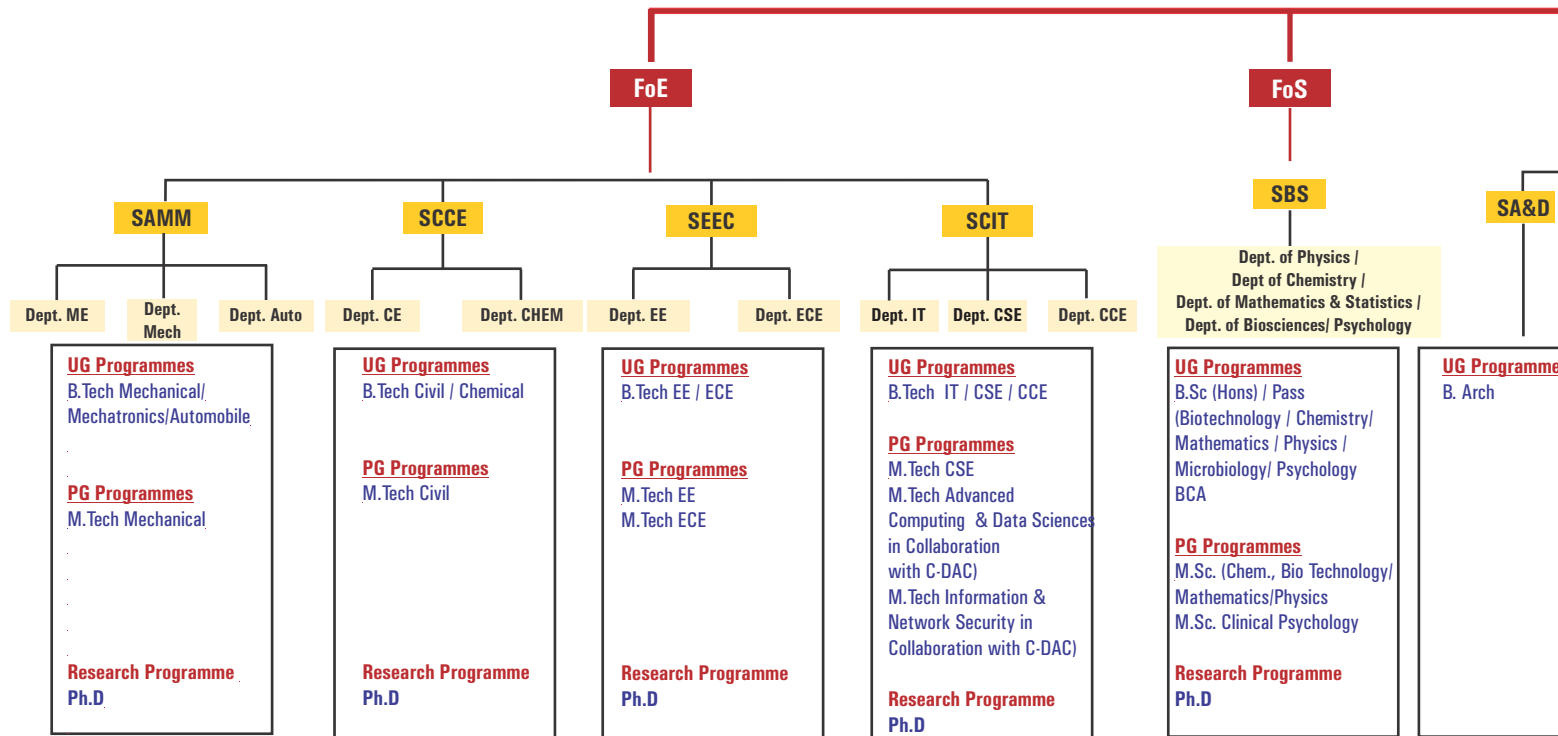
Organizational Chart



- **Statutory Committees**
 - Board of Management
 - Academic Council
 - Finance Committee
 - Faculty Board
 - Board of Studies
 - Internal Quality Assurance Cell (IQAC)
- **Other Committees**
 - Executive Committee
 - University Research Committee
 - Investment Committee
 - TSB Advisory Board
 - Structured Committees (Administrators, Deans & Directors, Section Heads, Campus Support)
 - MoU Committee

| | |
|--|---|
| | Filled Academic Positions. |
| | Filled Administrative Positions. |
| | Positions filled by faculty with as in charge. |
| | Positions filled by faculty with Additional charge. |
| | Positions to be filled. |

Academic

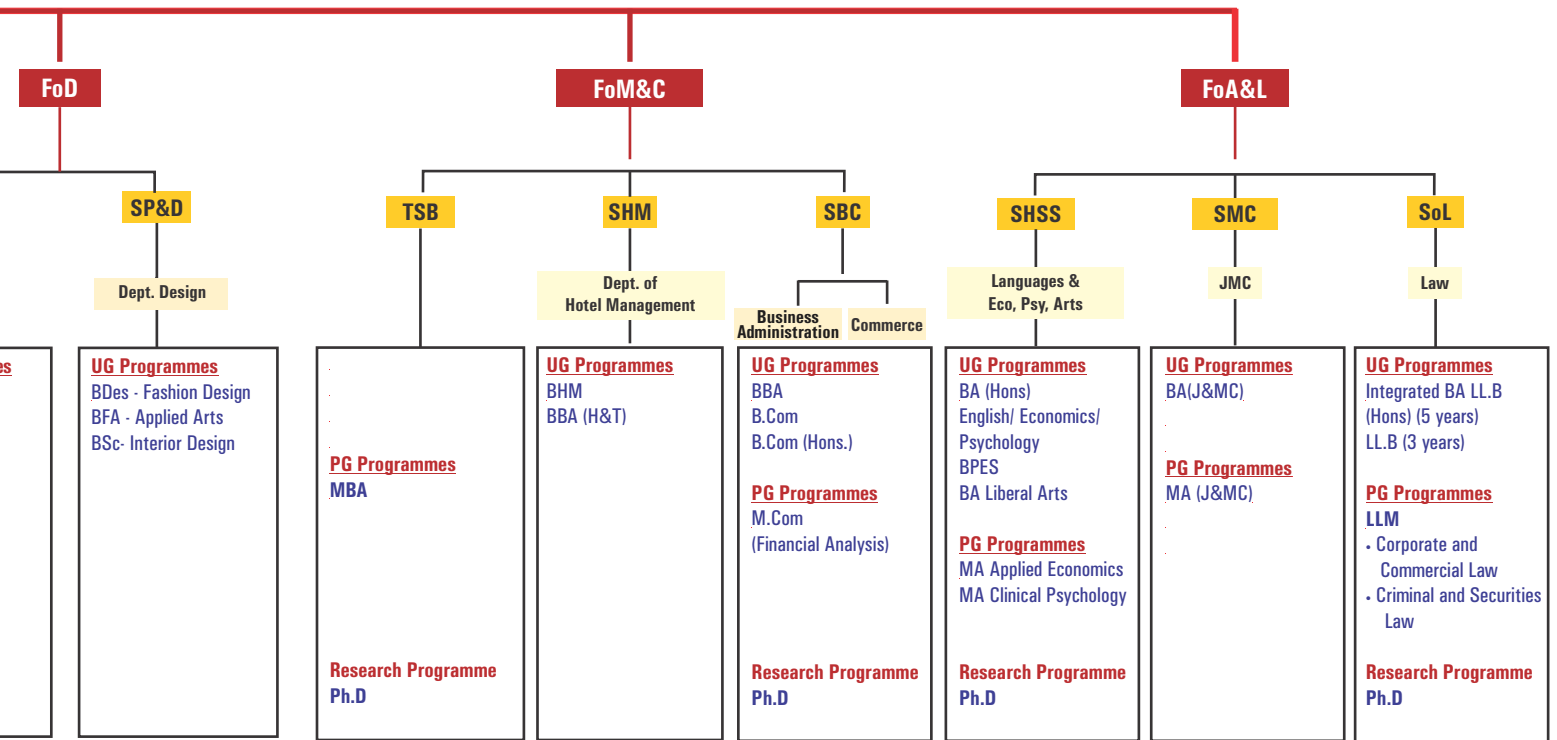


Abbreviations

- FoE: Faculty of Engineering
- FoS: Faculty of Science
- FoD: Faculty of Design
- FoM&C: Faculty of Management & Commerce
- FoA&L: Faculty of Arts & Law
- SCCE : School of Civil & Chemical Engineering
- SMM : School of Automobile, Mechanical & Mechatronics Engineering
- SCIT: School of Computing & Information Technology
- SEEC: School of Electrical, Electronics & Communication Engineering



Structure



- SA&D: School of Architecture & Design
- SP&D: School of Planning & Design
- TSB: TAPMI School of Business
- SBC: School of Business & Commerce
- SHM: School of Hotel Management
- SBS: School of Basic Sciences
- SoL: School of Law
- SHSS: School of Humanities & Social Sciences
- SJMC: School of Journalism & Mass Communication

Statutory and other Committees

Board of Management

| Name | Designation | Designation in Board |
|---------------------------|--|----------------------------|
| Dr Ramdas M Pai | Chairperson-Emeritus - MUJ | Chairperson-Emeritus - MUJ |
| Dr K Ramnarayan | Chairperson, MUJ | Chairperson |
| Dr G K Prabhu | President, MUJ | Member |
| Dr Ranjan Pai | Chairman MEMG | Member |
| Shri Rajen Padukone | Group President, Academia- MEMG | Member |
| Dr H P Khincha | Advisor-IISc Bangalore, Chairman- Karnataka Innovation Council, Former-VC, VTU | Member |
| Shri Abhay Jain | Advisor, MEMG | Member |
| Lt Gen (Dr) M D Venkatesh | Vice Chancellor, SMU | Member |
| Mrs Mira Mehrishi | IAS (Retd.), Full Time Member, CMAC, Vice Chairman, ADMA | Member |
| Shri Sudhakar Rao | IAS (Retd.), Formerly Chief Secretary - Karnataka State Government | Member |
| Shri Ashutosh AT Pednekar | IAS, Commissioner College Education & Special Secretary, Higher Education, Government of Rajasthan | Member |
| Dr N N Sharma | Pro-President, MUJ | Member |
| Prof Rajesh Solanki | Director Quality & Compliance MUJ | Member |
| Registrar | Registrar, MUJ | Member Secretary |



Academic Council

Members

Dr G K Prabhu, President MUJ
 Dr Vinod V Thomas, Registrar Evaluation, MAHE
 Dr N N Sharma, Pro-President MUJ
 Dr Mridul Srivastava, Dean FoA&L
 Dr Jagannath K, Dean FoE
 Dr N Chattopadhyay, Dean FoM&C
 Dr Awdhesh Kumar, Dean FA
 Dr H Ravishankar Kamath, Dean R&I
 Dr G L Sharma, Director SAMM
 Dr R C Gaur, Director SCCE
 Dr S N Sharan, Director SEEC
 Dr R S Shekhawat, Director SCIT
 Dr Kushal Kumar R, Director SMC
 Dr M L Vadera, Director SBC
 Dr Madhura Yadav, Director SA&D
 Dr Lalita Ledwani, Director SBS
 Dr Naresh Dutt Mathur, Director SHSS
 Dr Ajay Kumar, Director Academics
 Dr Tanmoy Chakraborty, HoD Chemistry
 Prof Pratibha Sharma, HoD Fashion
 Dr Geetika Tankha, HoD Psychology
 Dr Vijay Laxmi Sharma, HoD Law
 Dr H Ravishankar Kamath, Registrar, MUJ

Designation

Chairperson
 External Member
 Pro-President
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Ex Officio Secretary

Board of Studies

Members

Head of the Department
 All Professors of the Department
 Two Associate Prof of the Department by rotation
 One teacher from other Department nominated by the President in consultation with Chairperson
 One external expert to be nominated by the President
 Registrar
 One concern faculty of the Department

Designation

Chairperson
 Member
 Member

 Member
 External Expert
 Ex Officio Member
 Member-Secretary

Finance Committee

Members

Dr K Ramnarayan, Chairperson
 Dr G K Prabhu, President
 Dr N N Sharma, Pro-President
 Dr Mridul Srivastava, Dean FOA&L
 Dr Jagannath Korody, Dean, FoE
 Shri Sudhakar Rao, IAS (Retd.), Formerly Chief Secretary Karnataka State Government
 Shri V Rangarajan, Advisor, MEMG
 Shri Sujiban Ghosh, CF&AO

Designation

Chairperson
 Member
 Member
 Member
 Member
 Member
 Member
 Member
 Ex Officio Member

Fee Fixation Committee

| Members | Designation |
|--|--------------------|
| Hon'ble Justice Dr N Kumar, Former Judge, High Court of Karnataka, Bangalore | Chairman |
| Mr Arjun Vaidyanathan, Chartered Accountant, Partner, KPMG | Member |
| Mr V Rangarajan, Group Advisor, MEMG | Member |
| Mr CK Mathew, IAS (Retd.), Former Chief Secretary, Govt. of Rajasthan | Member |
| Mr Vasantha Krishna, Legal Consultant, MEMG | Convener |

Investment Committee

| Members | Designation |
|--|--------------------|
| Mr Rajen Padukone, Group President, Academia | Member |
| Dr G K Prabhu, President, MUJ | Member |
| Mr V Rangarajan, Group Advisor, MEMG | Member |
| Mr Sujiban Ghosh, CF&AO | Member Secretary |

Executive Committee

| Members | Designation |
|--------------------------------|--------------------|
| Chairperson, MUJ | Chairman |
| President, MUJ | Vice chairman |
| Pro-President, MUJ | Member |
| Registrar, MUJ | Member Secretary |
| Group President Academia, MEMG | Member |
| Group President HR, MEMG | Member |

Internal Quality Assurance Cell (IQAC)

| Members | Designation |
|--|------------------------------|
| Dr G K Prabhu, President | Chairperson |
| Dr N N Sharma, Pro-President | Co-Chairperson |
| Dr Nilanjan Chattopadhyay, Dean FoM&C | Member |
| Dr R S Shekhawat, Director SCIT | Member |
| Dr Madhura Yadav, Director SA&D | Member |
| Dr G.L. Sharma, Director SAMM | Member |
| Dr Sumit Srivastava, CoE | Member |
| Dr R.K. Gupta, Dy. Director Q&C | Member |
| Dr Monika Mathur, Dy. Director E- Cell | Member |
| Dr H Ravishankar Kamath, Dean R&I | Senior Administration Member |
| Shri B Singh, Director IIQUM ETDC, Jaipur (Quality Management) | External Member |
| Shri N. K. Jain (Industry) CMD, Vidyut Teletronics Ltd and President Employees Association of Rajasthan | External Member |
| Dr Richa Mittal (Social work Community) | External Member |
| Board Member Durga Devi Charitable Trust, Jaipur | |
| Prof Rajesh Solanki (Director IQAC) | Member Secretary |

Administrative & Functional Heads

Team 1: Administrators

| Members | Designation |
|------------------|---------------|
| President | Chairman |
| Pro President | Vice Chairman |
| Registrar | Member |
| CF&AO | Member |
| Head HR & CAO | Member |
| Deputy Registrar | Convener |

Team 2: Deans & Directors

| Members | Designation |
|---|---------------|
| President | Chairman |
| Pro President | Vice Chairman |
| Registrar | Member |
| Dean FoE | Member |
| Dean FoA&L | Member |
| Dean FA | Member |
| Dean FoS | Member |
| Dean FoD | Member |
| Dean R&I | Member |
| Dean FoM&C | Member |
| Director SCCE | Member |
| Director SAMM | Member |
| Director SCIT | Member |
| Director SEEC | Member |
| Director SA &D | Member |
| Director SP &D | Member |
| Director SBS | Member |
| Director SHHS | Member |
| Director SMC | Member |
| Director SBC | Member |
| CoE | Member |
| Dr Manvinder Singh Pahwa, School of Business & Commerce | Convener |

Team 3: Section Heads

| Members | Designation |
|---------------|---------------|
| President | Chairman |
| Pro President | Vice Chairman |
| Registrar | Member |
| CO (GS&A) | Member |
| Head HR | Member |

| | |
|---|----------|
| Head, Faculty Administration | Member |
| CF&AO | Member |
| Director International Collaborations | Member |
| Director Student's Welfare | Member |
| Director Quality & Compliance | Member |
| Chief Executive Officer, Atal Incubation Centre (CEO-AIC) | Member |
| Director Academics | Member |
| Director In-charge Alumni Relations | Member |
| Director Research | Member |
| Director Admission | Member |
| Additional Director Admission | Member |
| Deputy Director Physical Education | Member |
| Head T&P | Member |
| Chief Warden | Member |
| Chief Security Officer | Member |
| Advisor Central Library | Member |
| Deputy Registrar | Member |
| Chief Public Relation Officer | Member |
| Head IT Infrastructure | Member |
| Dr Samar Sarabhai, Head, Dept of Management (TSB) | Convener |

Team 4: Campus Support

| Members | Designation |
|--------------------------------|--------------------|
| President | Chairman |
| Pro President | Vice Chairman |
| Registrar | Member |
| CO (GS&A) | Member |
| Mr ML Gupta, Consultant | Member |
| Mr DK Goyal, Consultant | Member |
| Ar S Mahagaonkar, Consultant | Member |
| CF&AO | Member |
| Chief Security Officer | Member |
| Project Manager | Member |
| Head Operation Woodstock | Member |
| Head Operation Qness Corp Ltd | Member |
| Chief Warden | Member |
| Unit Head CoW | Member |
| Legal & Compliance Officer | Member |
| Head IT Infra | Member |
| Dr Dasari Nagaraju, Deputy CoE | Convener |

MoU Committee

| Members | Designation |
|---|-------------|
| Dean R&I | Chairman |
| Director International Collaborations | Convener |
| Registrar | Member |
| Prof R S Shekhawat, Director SCIT | Member |
| Dr Manvinder Singh Pahwa, School of Business & Commerce | Member |
| Director of the School concerned | Member |
| CF&AO | Member |
| Legal & Compliance Officer | Member |

Functional Directorate and Functional Heads

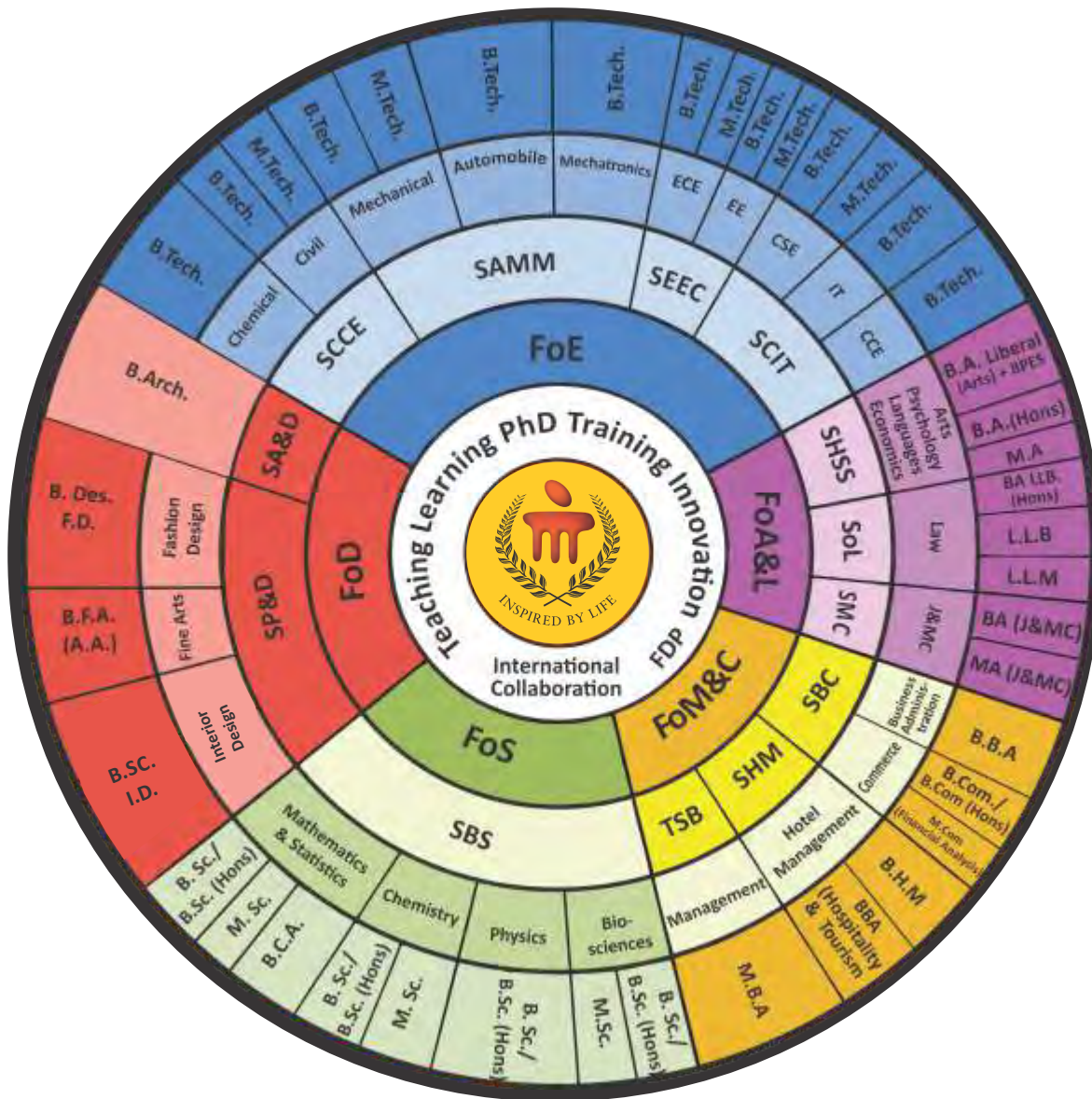
| Name of Director/Head | Directorate/Unit |
|-----------------------------|---------------------------------------|
| Prof Rajesh Solanki | Directorate of Quality and Compliance |
| Mr Umesh Chandra Agarwal | Atal Incubation Center |
| Dr Ajay Kumar | Directorate of Academics |
| Dr Sumit Shrivastava | Controller of Examinations |
| Dr Amit Jain | Directorate of International Affairs |
| Dr Subrata Bandhu Ghosh | Directorate of Research |
| Dr Ashok Kumar Sharma | Directorate of Admissions |
| Dr Vijaypal Singh Dhaka | Directorate of E-Cell |
| Dr Manvinder Singh Pahwa | Directorate of Alumni |
| Mr Prasanna R Kailaje | Corporate Relations and Placements |
| Col Virender Yadav | Co (GS&A) |
| Mr Manish Kumar Anand | Head HR |
| Mr Jamnadas Jamine | Head IT Infra |
| Dr Karamadai Subban Shivraj | Chief Librarian |
| Lt Col M P Saini | Chief Security Officer |
| Col Rajendra Singh | Chief Warden |



Head of Departments

| Name of Head | Department |
|----------------------------|---|
| Dr Amit Rathi | HoD Electronics & Communication Engineering |
| Dr Amit Soni | HoD Electrical Engineering |
| Dr Nitin Goyal | HoD Civil Engineering |
| Dr Anand Gupta Chakinala | HoD Chemical Engineering |
| Dr Anjaiah Devineni | HoD Automobile Engineering |
| Dr Rahul Goyal | HoD Mechanical Engineering |
| Dr Shahbaz Ahmed Siddiqui | HoD Mechatronics Engineering |
| Dr Satish Chand Kulhari | HoD Computer Science Engineering |
| Dr Vijaypal Singh Dhaka | HoD Computer & Communication Engineering |
| Dr Pankaj Vyas | HoD Information Technology |
| Dr Pushendra Kumar | HoD Physics |
| Dr Tanmoy Chakraborty | HoD Chemistry |
| Dr Abhijeet Singh | HoD Biosciences |
| Dr Indeewar Kumar | HoD Mathematics & Statistic |
| Dr Devershi Pallavi Bhatt | HoD Computer Applications |
| Dr Mahendra Parihar | HoD Economics |
| Dr Tanuja Yadav | HoD Languages |
| Dr Geetika Tankha | HoD Psychology |
| Dr Anthony S. Raj | HoD Arts |
| Dr Vijay Laxmi Sharma | HoD Law |
| Dr Rayaz Hassan | HoD Journalism and Mass Communication |
| Dr Sunanda Kapoor | HoD Architecture |
| Dr Tej Bahadur | HoD Planning |
| Ms Sneha Singh | HoD Interior Design |
| Prof Pratibha Sharma | HoD Fashion Design |
| Dr Anantkumar Dada Ozarkar | HoD Applied Arts |
| Dr Samar Sarabhai | HoD Management |
| Dr Suresh Chandra Sharma | HoD Business Administration |
| Dr Gaurav Lodha | HoD Commerce |
| Dr Amit Dutta | HoD Hotel Management |

Academic Programmes



Details of Programmes

Faculty of Engineering (FoE)

| | UG Program | PG Program |
|---|--|--|
| School of Automobile, Mechanical & Mechatronics Engineering (SAMM) | B Tech Mechanical Engineering | M. Tech in Mechanical Engineering |
| | B Tech Automobile Engineering | |
| | B Tech Mechatronics Engineering | - |
| School of Civil and Chemical Engineering (SCCE) | B Tech Civil Engineering | M Tech Civil Engineering |
| | B Tech Chemical Engineering | |
| School of Computing and Information Technology (SCIT) | B Tech Computer Science & Engineering | M. Tech Computer Science & Engineering |
| | B Tech Computer & Communication Engineering | M. Tech Advanced Computing & Data Science |
| | B Tech Information Technology | M. Tech Information & Network Security |
| School of Electrical, Electronics and Communication Engineering (SEEC) | B Tech Electrical Engineering | M Tech in Electrical Engineering |
| | B Tech Electronics & Communication Engineering | M. Tech in Electronics and Communication Engineering |

Faculty of Design (FoD)

| | UG Program | PG Program |
|---|-------------------------|------------|
| School of Architecture & Design (SA&D) | B Arch | - |
| School of Planning & Design (SP&D) | B Des - Fashion Design | - |
| | Bachelor of Fine Arts | - |
| | B Des - Interior Design | - |

Faculty of Arts & Law (FoAL)

| | UG Program | PG Program |
|--|-------------------------|------------------------------|
| School of Media & Communication (SMC) | BA J&MC | MA J&MC |
| School of Humanities & Social Sciences (SHSS) | BA (Hons) - Economics | - |
| | BA (Hons) - English | - |
| | BA (Hons) - Psychology | - |
| | BA Liberal Arts | MA/MSc - Clinical Psychology |
| | BPES | MA (Applied Economics) |
| School of Law (SoL) | BA LLB (Hons) | Master of Law (LLM) |
| | Bachelor of Laws (LLB) | - |

Faculty of Management & Commerce (FoMC)

| | UG Program | PG Program |
|--|-------------------------------------|------------|
| School of Business & Commerce (SBC) | B Com (Pass) | - |
| | B Com (Hons) - Accounting | - |
| | BBA | - |
| School of Hotel Management (SHM) | BHM BBA (Hospitality & Tourism) | - |
| TAPMI School of Business | - | MBA |

Faculty of Science (FoS)

| | UG Program | PG Program |
|---------------------------------------|-----------------------------|-----------------------|
| School of Basic Sciences (SBS) | BSc (Hons) - Bio-Technology | M.Sc/M.Sc by Research |
| | BSc (Hons)- Microbiology | - |
| | BSc (Hons) - Mathematics | - |
| | BSc (Hons) - Physics | - |
| | BSc (Hons) - Chemistry | - |
| | BCA | - |

| No of Schools | No of UG Programs | No of PG Programs |
|---------------|-------------------|-------------------|
| 13 | 33 | 14 |



5th Convocation Ceremony of Manipal University Jaipur



Manipal University Jaipur organized its 5th Convocation on November 1 and 2, 2018 in the campus. 1486 students from B.Tech and Non-B.Tech programmes both UG and PG were awarded degrees. This included 29 PhD scholars. 27 students who have excelled and topped in their respective course of study were awarded Gold-Medals. Besides, Chairman's Gold Medal for overall excellence was awarded to Mr Susheem Kanwar of B Tech Mechanical Engineering and President's Gold-Medal was awarded to Dr Suman Swami for excellence in research.

The Chief Guest of the function was well renowned and successful startup entrepreneur, Mr Hari Menon, Co-Founder and CEO Big Basket on the 1st Day. Speaking from his varied experience of 35 years, in his address to the students he congratulated them on being part of one of the best educational institutes. He advised the students on

learning throughout as it is a life long process, try to be better, insist on high levels of Ethics, Values, Integrity and Honesty, gets stylish and don an attractive positive attitude, be a good listener, be a good team player, learn the skill to problem solving. The Chief Guest on day two was Dr Chandrashekhar Sripada, Professor & Executive Director, ISB, Hyderabad who has vast professional and academic experience. In his address to the students, advised them to transcend current paradigms. The future needs bold and breakthrough solutions for jobs and careers. The students must redesign social norms to be more inclusive, tolerant, and civilized. President, Dr G K Prabhu presented an overview of the University with emphasis on recent changes incorporated for inclusive growth. He advised the students to have open minded and rational approach in their careers.





III

GLIMPSES OF UNIVERSITY



Directorate of Admissions



School Visit

Directorate of Admissions of Manipal University Jaipur has a very important role to play in the University. Their primary goal is to get admissions for UG, PG and doctoral and across diverse disciplines like Engineering, Architecture & Design (Fashion, Applied Arts, and Interior Design), Business & Commerce, Hotel Management, Management, Law, Journalism & Mass Communication, Basic Sciences, Humanities and Social Sciences. Directorate also ensures quality admissions keeping in mind the Manipal legacy of quality education. The admissions in MUJ has been growing consistently since its inception. The student strength in the University in 2011 was 266 which has reached to 7528 (UG & PG) in 2018-19. Directorate not only does admissions but it is also entrusted with the responsibility of awarding scholarships to the meritorious students/ sports persons/ students of academic excellence etc. A total of 309 students across all disciplines were given scholarships on the basis of criteria fulfilled under each category of scholarships. The total amount of Rs 2.27 crore was disbursed for scholarships.

Admissions in general category are done either on the basis of marks obtained in Entrance Test or admissions are done on the basis of marks obtained in the qualifying examination followed by a personal interview. Admissions in NRI/ NRI Sponsored/ OCI/ PIO/ Foreign category are done on the basis of marks obtained in the qualifying

examination and recommendation of “Committee for Foreign/NRI admissions.

In order to create awareness about MUJ Programmes, visit to schools and colleges is undertaken to connect with prospective students. MUJ boosts of enrolling the students from Pan India with good presence from Rajasthan, Delhi, Uttar Pradesh, Haryana, Maharashtra, Madhya Pradesh and Gujarat.

Directorate also undertakes digital marketing because in the present day, internet has become the primary source for people to search for any information.



Students Enrolled across all the Departments (Academic Year 2018-19)

| Faculty | Name of Programme | Intake | No of Applications | No. of Admissions |
|----------------------------------|--|---------|--------------------|-------------------|
| Faculty of Engineering | B Tech (Automobile Engineering) | 60 | 18973 | 41 |
| | B Tech (Mechanical Engineering) | 180 | | 139 |
| | B Tech (Mechatronics Engineering) | 60 | | 57 |
| | B Tech (Civil Engineering) | 90 | | 67 |
| | B Tech (Chemical Engineering) | 60 | | 26 |
| | B Tech (Electrical Engineering) | 60 | | 44 |
| | B Tech (Electronics & Communication Engineering) | 180 | | 159 |
| | B Tech (Computer Science & Engineering) | 240 | | 245* |
| | B Tech (Computer & Communication Engineering) | 180 | | 182* |
| | B Tech (Information Technology) | 180 | | 178 |
| | M Tech (Mechanical Engineering) | 10 | 6 | 0 |
| | M Tech (Civil Engineering) | 20 | 8 | 2 |
| | M Tech (Electrical Engineering) | 10 | 7 | 3 |
| | M Tech (Electronics & Communication Engineering) | 10 | 6 | 3 |
| | M Tech (Computer Science Engineering) | 10 | 9 | 2 |
| | M Tech (Advanced Computing & Data Science) | 10 | 13 | 0 |
| | M Tech (Information and Network Security) | 10 | 6 | 0 |
| | Faculty of Design | B. Arch | 40 | 178 |
| B.Des. (Fashion Design) | | 40 | 53 | 20 |
| BFA (Applied Arts) | | 40 | 47 | 25 |
| B.Sc. (Interior Design) | | 60 | 53 | 20 |
| Faculty of Arts and Law | BA (Hons) (English) | 90 | 76 | 22 |
| | BA (Hons) (Economics) | | 91 | 23 |
| | BA (Hons) (Psychology) | | 113 | 34 |
| | BA (Hons) (Philosophy) | | - | - |
| | MA (Applied Economics) | 10 | 15 | 0 |
| | MA (Clinical Psychology) | 10 | 46 | 6 |
| | M.Sc. (Clinical Psychology) | 10 | 25 | 6 |
| | BA (Liberal Arts) | 30 | 50 | 10 |
| | BPES | 20 | 17 | 7 |
| | BA (J&MC) | 120 | 255 | 101 |
| | MA (J&MC) | 20 | 23 | 9 |
| | BA LLB (Hons.) | 120 | 390 | 116 |
| | LL.B | 30 | 61 | 17 |
| | LL.M (Corporate and Commercial Law) | 30 | 65 | 21 |
| LL.M (Criminal and Security Law) | | | | |

* Inclusive of Lateral Entry and Foreign Admissions

| Faculty | Name of Programme | Intake | No of Applications | No. of Admissions |
|------------------------------------|-----------------------------------|--------|--------------------|-------------------|
| Faculty of Management and Commerce | MBA | 60 | 195 | 49 |
| | B. Com. | 90 | 129 | 30 |
| | B Com (Honours) (Accounting) | | 149 | 48 |
| | M.Com. (Financial Analysis) | 10 | 8 | 0 |
| | BBA (Hospitality & Tourism) | 240 | 14 | 0 |
| | BBA | | 616 | 185 |
| | BHM | 40 | 97 | 29 |
| Faculty of Science | B.Sc. (Pass) | 90 | 17 | 0 |
| | B.Sc. (Hons) (Mathematics) | | 29 | 11 |
| | B.Sc. (Hons) (Chemistry) | | 21 | 6 |
| | B.Sc. (Hons) (Physics) | | 47 | 12 |
| | B.Sc. (Hons) (Biotechnology) | | 86 | 19 |
| | B.Sc. (Hons) (Psychology) | | 64 | 25 |
| | B.Sc. (Hons) (Statistics) | | 10 | 0 |
| | B.Sc. (Hons) (Microbiology) | | 14 | 0 |
| | BCA | 60 | 109 | 27 |
| | M.Sc. (Mathematics) (by Research) | 30 | 1 | 1 |
| | M.Sc. (Chemistry) | | 7 | 0 |
| | M.Sc. (Chemistry) (by Research) | | 4 | 3 |
| | M.Sc. (Physics) (by Research) | | 8 | 2 |
| | M.Sc.(Biotechnology) | | 14 | 0 |
| | MSc (Biotechnology) (by Research) | | 4 | 4 |
| | M.Sc. Environmental Science | | - | - |



University Hostels at a Glance



University Hostels at a Glance

The hostels at Manipal University Jaipur provide suitable accommodation for both male and female students. The infrastructure and facilities within the hostel campus match or even beat most of the international housing campuses. All the students are provided with wooden beds, mattresses, pillows, side table, study table, chair, curtains and an individual wooden cupboard. A comfortable temperature is maintained in all the rooms by a centralized HVAC system. All the rooms have attached washrooms with hot and cold water supply. All hostel blocks are fully Wi-Fi zones. We strongly recommend and encourage students to go for hostel accommodation and enjoy sharing quality time with their friends and fellow students. This enriches both their personal and educational exposure. The hostel provides safe and very comfortable environment both inside and outside the rooms. Fun activities are held from time to time within the hostel campus for the residents.

Infrastructure

- Overall Capacity for 5000 Students
- Total Blocks 11 (7 boys, and 4 girls)
- All Rooms have Centralized Air Conditioning
- Dedicated RO purified water for each block, Wi-Fi, Common Gym
- Biometric attendance system & Full time student's

counsellor

- Well-furnished Common Rooms with TV etc.,
- 24 /7 Power Supply, Laundry Support, Play grounds for cricket, football, basketball, Squash, Swimming Pool, TT, and other indoor games. Gym facility with a trainer, Food point, Restaurants, Department store and jogging track.
- CAT/GRE/GMAT coaching classes activity weekend by IMS

| BLOCK | TOTAL STUDENTS |
|-------|----------------|
| B1 | 720 |
| B2 | 761 |
| B3 | 339 |
| B4 | 443 |
| B5 | 297 |
| B6 | 425 |
| B7 | 612 |
| G1 | 450 |
| G2 | 291 |
| G3 | 205 |
| G4 | 332 |
| TOTAL | 4875 |



University Hostels at a Glance

Medical Facilities

- The Hostel has Medical Center which Provide General Treatment & First Aid Services .
- 24X7 ambulance facility.
- The Services of the Medical Officer and Nursing Staff are Available 24 X 7.

Hostel Discipline

The hostellers are abide by hostel rules and regulations.

- Students are not allowed to leave their room after 11:00 pm.
- Any student, who wishes to go out of the hostel, need to obtain the out pass from the Office of the Chief Warden, duly signed by the block warden and Teacher Guardian .
- Students are not allowed to do any unethical activities that violates hostel rules and regulations.

- Black Dot System: (Discipline on the Top)
- According to the Nature of In disciplinary act/cases a Black Dot(s) is given as per hostel rules and regulations.
- Black Dot can be converted to white dots based on their extra ordinary activities.
- Apart from the black DOT following task may be assigned to him/her as a corrective action:
- Student(s) may be given societal tasks as proposed:
- 08 hrs Teaching in near by village schools
- Plantation of Trees
- Academic Enhancement work like MOOC courses etc.
- Serving in old age home and getting report from the manager.



Directorate of Academics

Academics being primary activity of the university, Directorate of Academics is responsible for framing academic policies. Major responsibilities undertaken by directorate in academic year 2018-19 include notification of academic calendar, allotment of Open Electives, optimum utilization of class rooms and infrastructure facilities, preparation of centralized timetable, student registration and finalization of eligible students list for examinations. MUJ has consistently and diligently worked to imbibe the best practices for updating course curricula with the aid of intellectual talent available in the academia and other stake holders. The University practices comprehensive and standardize procedures to design new curriculum and revise and amend the existing ones at regular intervals. The structure of the Board concerned with curriculum review is as follows.

The Board of Management

|
Academic Council

|
Faculty Board

|
Board of Studies

The competent apex body empowered to recommend approval to Board of Management is the Academic Council. The Academic Council receives inputs from the Faculty Board comprising of the Faculty. Within the Faculty, every school/department has a Board of Studies (BoS). Every BoS and the Academic Council have representatives from academia, industry and alumni.



Academic Council and BoS members ensure that the curriculum of every program is contemporary and has relevance to the local/national/regional/global developmental prerequisites. Whenever it needs, University invites the domain experts; their valuable inputs are deliberated upon in the meetings of Academic Council and BoS and are duly incorporated in the curriculum owing to their merit.

- Mandatory courses like Value Education, Legal Aid, General English, Environmental Studies, NSS, NCC and YOGA sensitize students of their obligations towards society. These courses develop magnanimity and commitment amongst students thereby contributing towards development of a well-rounded personality.
- Mandatory industrial training ensures that students are exposed to contemporary industrial trends, innovations, implementation of big data and artificial intelligence in everyday industrial activity. This approach to experiential education addresses the developmental requirements of the country in general, and the local/regional exigencies.
- The University offers work-integrated learning through its large network of corporate partners.
- The postgraduate programs are exemplar of research-academia integration, evidence-based practice and innovation. Our students are in high demand across many sectors.
- The University promotes learning from experts who operate at the cutting edge of each discipline. We don't just teach textbooks, we conduct the work in the textbooks through simulation in our classrooms
- Our teaching standards are outstanding and being constantly evaluated by students.
- Graduates are proficient in communication and critical thinking skills, quantifiable according to the highest international standards. The students are trained to have an interdisciplinary and global perspective.
- We apply psychological principles to solve personal, social and group issues and to recognize and appreciate the impact of mental health issues.
- Our Curriculum is designed in the manner that the student will explore a variety of fascinating legal issues while developing skills in understanding, applying and critiquing socio-legal concepts like in the Law programme, 20 weeks internship is

mandatory under any District/Sessional Court, High Court, Supreme Court, NGOs, and Consumer Forums and in Lok Adalats, where students learn the practical aspects of their study. The aspiring legal practitioners provide free paralegal services to nearby villagers and weaker sections of society. In similarly Architecture and Engineering, the students can do their final year project work entirely in the industry under the joint supervision of the industrial personnel and the internal faculty guide.

- To promote foreign languages and facilitate the removal the language barrier which often becomes a hindrance, foreign language courses like German and French have been made a mandatory part of the curriculum in selected programmes and also introduced as certificate and diploma courses.

The Faculty is required to annually upgrade/revise the available curriculum so that the latest technological advances are incorporated in the curriculum as and when needed.



Programmes where syllabus revision carried out:

| Programme Code | Programme name | Name of the Department | Year of Introduction | Percentage of Syllabus content Added or Replaced |
|----------------|-------------------------------|------------------------|----------------------|--|
| 1009 | MSc By Research-Biotechnology | Bioscience | 2016-17 | 26 |
| 1102 | BA (Hons)-English | Languages | 2014-15 | 90 |
| 1004 | BSc (Hons)-Chemistry | Chemistry | 2016-17 | 30 |

Number of new courses introduced of the total number of courses across all programmes offered:

| S. No. | Faculty | School | Department | Number of New Courses |
|--|------------------------|---|---|-----------------------|
| 1. | Faculty of Engineering | School of Automobile, Mechanical & Mechatronics | Automobile Engineering | 66 |
| | | | Mechanical Engineering | 39 |
| | | | Mechatronics Engineering | 141 |
| | | School of Civil and Chemical Engineering | Civil Engineering | 21 |
| | | | Chemical Engineering | 57 |
| | | School of Electrical, Electronics & Communication Engineering | Electrical Engineering | 32 |
| | | | Electronics & Communication Engineering | 49 |
| | | School of Computing and & Information Technology | Computer Science Engineering | 24 |
| | | | Information Technology | 25 |
| Computer and Communication Engineering | 27 | | | |
| 2. | Faculty of Science | School of Basic Science | Bio Sciences | 53 |
| | | | Physics | 2 |
| 3. | Faculty of Design | School of Architecture and Design | Architecture and Design | 8 |
| | | School of Planning and Design | Fashion Design | 1 |
| | | | Fine Arts (Applied Arts) | 39 |
| | | | Interior Design | 1 |

| S. No. | Faculty | School | Department | Number of New Courses |
|--------|------------------------------------|---------------------------------|-----------------------------------|-----------------------|
| 4. | Faculty of Management and Commerce | TAPMI School of Business | TAPMI School of Bussiness | 42 |
| | | School of Hotel Management | Hotel Management | 2 |
| | | School of Business and Commerce | Commerce | 116 |
| | | | Business Administration | 37 |
| 5. | Faculty of Arts & Law | Humanities and Social Science | Arts | 53 |
| | | | Economics | 52 |
| | | | Languages | 26 |
| | | | Psychology | 54 |
| | | School of Mass Communication | Journalism and Mass Communication | 19 |
| | | School of Law | Law | 2 |

Number of Courses having Focus on Employability/Entrepreneurship/ Skill Development

| S. No. | Faculty | School | Name of the Programme | Number of Courses | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|--------|------------------------|---|--|-------------------|---|
| 1. | Faculty of Engineering | School of Automobile, Mechanical & Mechatronics | B Tech-Automobile Engineering | 43 | Industrial Projects, Visits, Simulations |
| | | | B Tech-Mechanical Engineering | 62 | Hands on practice, Modelling and Simulation, Project Based Learning, Workshops |
| | | | B Tech-Mechatronics Engineering | 26 | Fabrication of Robots, MATLAB based projects, Industrial trainings, LabView Simulation based Projects. |
| | | School of Civil and Chemical Engineering | B Tech-Civil Engineering | 30 | Design, Experiments, Analysis |
| | | School of Electrical, Electronics & Communication Engineering | B Tech-Electrical & Electronics Engineering | 57 | Hands-on experimental performance parameterization, MATLAB-Simulation & demonstration, Seminars, Mini Projects |
| | | | B Tech-Electronics and Communication Engineering | 64 | Lectures, assignments, Workshops |
| | | | B Tech (Common Courses) | 7 | Quizzes, Assignments, Seminars |
| | | School of Computing and & Information Technology | B Tech-Computer Science & Engineering | 57 | Scenario Based Problems Discussed & Solved; Quizzes; Hackathon; Ideathon; Codethon. Projects and Demonstrations |
| | | | B Tech-Information Technology | 19 | Webinars, Corporate Talks, MOOC Courses, Coursera |
| | | | B Tech-Computer and Communication Engineering | 14 | Lab Experiments, Project Developments, Website development, Case studies, Presentations |

| S. No. | Faculty | School | Name of the Programme | Number of Courses | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|--------|----------------------------------|-----------------------------------|--|-------------------|--|
| 2. | Faculty of Design | School of Architecture and Design | B.Arch. | 43 | Expert lectures, Discussion on latest policies, Symposium, Site Visits, Model making workshops |
| | | School of Planning and Design | B.Des.-Fashion Design | 37 | Group Discussions, Visits, Outdoor Sketching, Craft Study, Life study |
| | | | B.Des.-Jewellery Design | 5 | Designing of Jewellery, Industrial Visits |
| | | | Bachelor of Planning | 11 | Case Studies, Analysis of spatial Data sets |
| 3. | Faculty of Management & Commerce | School of Business and Commerce | B.Com. | 32 | Case Studies, Workshops, Summer Training, Role Play activities |
| | | | B Com (Hons-Accounting) | 30 | Practical Exercises, Report preparation |
| 4. | Faculty of Arts & Law | Humanities and Social Science | B.A. Liberal Arts | 26 | Community Project, Guest Lecture, Assignment, Internship |
| | | | B.A.(Hons)-Economics | 33 | Project, Assignments and Case Studies, Dissertations |
| | | | B.A. (Hons)-English | 27 | Mock Interviews, CV making, Presentation Skills, Role Play activities |
| | | | B.A./BSc. (Hons)-Psychology | 48 | Understanding of human behaviour to enhance employability, Visits, Working of High end sophisticated tools to understand life skills |
| | | School of Mass Communication | B.A.-Journalism and Mass Communication | 43 | Case Study, Debate, Analysis, Presentation |

Programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented:

| S.No. | Faculty | School | Department | Name of all programs adopting Elective course system |
|-------|------------------------|---|---|---|
| 1. | Faculty of Engineering | School of Automobile, Mechanical & Mechatronics | Automobile Engineering | B.Tech. (Automobile Engineering) |
| | | | Mechanical Engineering | B.Tech. (Mechanical Engineering) |
| | | | Mechatronics Engineering | M.Tech. (Mechanical Engineering) B.Tech. (Mechatronics Engineering) |
| | | School of Civil and Chemical Engineering | Civil Engineering | B.Tech. (Civil Engineering) |
| | | | Chemical Engineering | M.Tech. (Civil Engineering) B.Tech. (Chemical Engineering) |
| | | | Electrical Engineering | B.Tech. (Electrical Engineering) |
| | | School of Electrical, Electronics & Communication Engineering | Electronics & Communication Engineering | M.Tech. (Electrical Engineering) B.Tech. (Electronics & Communication Engineering) |
| | | | Electronics & Communication Engineering | M.Tech. (Electronics & Communication Engineering) |
| | | | Computer Science Engineering | B.Tech. (Computer Science Engineering) |
| | | School of Computing and & Information Technology | Computer Science Engineering | M.Tech. (Computer Science Engineering) |
| | | | Computer Science Engineering | M.Tech. (Advance Computing & Data Science)* |
| | | | Computer Science Engineering | M.Tech (Information & Network Security)* |

| S.No. | Faculty | School | Department | Name of all programs adopting Elective course system |
|--------------------------------|----------------------------------|---|--|--|
| | | | Computer and Communication Engineering | B.Tech. (Computer and Communication Engineering) |
| | | | Information Technology | B.Tech(Information Technology) |
| 2. | Faculty of Science | School of Basic Science | Mathematics | B.Sc. (Pass) |
| | | | | B.Sc. (Hon) (Mathematics) |
| | | | | M.Sc. (Mathematics) |
| | | | Chemistry | B.Sc. (Hon) (Chemistry) |
| | | | | M.Sc. (Chemistry) |
| | | | Physics | B.Sc. (Hon) (Physics) |
| | | | | M.Sc. (Physics) |
| | | | Bio Science | B.Sc. (Hon) (Bio Science) |
| | | | | B.Sc. (Hon) (Micro Biology) |
| | | | | M.Sc. (Bio Science) |
| M Sc. by Research | | | | |
| Computer Application | BCA | | | |
| 3. | Faculty of Design | School of Architecture and Design | Architecture | B.Arch. |
| | | School of Planning and Design | Fashion Design | B.Des. |
| | | | Applied Arts | BFA (Applied Arts) |
| | | | Interior Design | B.Sc. (Interior Design) |
| 4. | Faculty of Management & Commerce | TAPMI School of Business | TAPMI School of Business | MBA |
| | | School of Business and Commerce | Commerce | B.Com |
| | | | | B.Com (Hon) (Accounting) |
| | | | | M.Com |
| Business Adm. | BBA | | | |
| 5. | Faculty of Arts and Law | School of Humanities and Social Science | Languages | BA (Hon) (English) |
| | | | Economics | BA (Hon) (Economics) |
| | | | | MA (Applied Economics) |
| | | | Psychology | BA (Hon) (Psychology) |
| | | | MA (Clinical Psychology) | |
| | | Arts | BA (Liberal Arts) | |
| | | | BPES | |
| | | School of Mass Communication | Journalism & Mass Communication | BA (J&MC) |
| | | | | MA (J&MC) |
| | | School of Law | Law | BALL.B (Hon) (Integrated 5 Yrs.) |
| | | | | LL.B (Three Yrs.) |
| LL.M (Criminal & Sec Laws) | | | | |
| LL.M. (Corporate & Comm. Laws) | | | | |

| S.No. | Faculty | School | Department | Name of all programs adopting CBCS course system |
|----------------------|----------------------------------|---|---------------------------------|--|
| 1. | Faculty of Science | School of Basic Sciences | Mathematics | B.Sc. (Pass) |
| | | | | B.Sc. (Hon) (Mathematics) |
| | | | | M.Sc. (Mathematics) |
| | | | Chemistry | B.Sc. (Hon) (Chemistry) |
| | | | | M.Sc. (Chemistry) |
| | | | Physics | B.Sc. (Hon) (Physics) |
| | | | | M.Sc. (Physics) |
| | | | Biosciences | B.Sc. Biotechnology (Hons) |
| | | | | B.Sc. (Hon) (Micro Biology) |
| | | | | M.Sc. Biotechnology |
| Computer Application | BCA | | | |
| 2. | Faculty of Design | School of Architecture and Design | Architecture | B.Arch. |
| | | School of Planning and Design | Fashion Design | B.Des |
| | | | Applied Arts | BFA (Applied Arts) |
| | | | Interior Design | B.Sc. (Interior Design) |
| | | | Planning | M.Plan |
| 3. | Faculty of Management & Commerce | TAPMI School of Business | TAPMI School of Business | MBA |
| | | School of Business and Commerce | Commerce | B.Com |
| | | | B.Com (Hon) (Accounting) | |
| | | | M.Com | |
| | | | Business Adm. | BBA |
| 4. | Faculty of Arts and Law | School of Humanities and Social Science | Languages | BA (Hon) (English) |
| | | | Economics | BA (Hon) (Economics) |
| | | | | MA (Applied Economics) |
| | | | Psychology | BA (Hon) (Psychology) |
| | | | MA (Clinical Psychology) | |
| | | Arts | BA (Liberal Arts) | |
| | | | BPES | |
| | | School of Mass Communication | Journalism & Mass Communication | BA (J&MC) |
| | | | MA (J&MC) | |
| | | School of Law | Law | BA, LL.B (Hon) (Integrated 5Yrs) |
| | | | | LL.B (Three Yrs.) |
| | | | | LL.M (Criminal & Sec Laws) |
| | | | | LL.M. (Corporate & Comm. Laws) |

Total number of value-added courses imparting transferable and life skills offered

| Number of course | Number of Students completing the course |
|------------------|--|
| 615 | 7564 |

Total number of students undertaking field Projects / Internships

| S. No. | Faculty | School | Department | Number of Students |
|---|------------------------|---|--------------------------|--------------------|
| 1. | Faculty of Engineering | School of Automobile, Mechanical & Mechatronics | Automobile Engineering | 68 |
| | | | Mechanical Engineering | 99 |
| | | | Mechatronics Engineering | 38 |
| | | School of Civil and Chemical Engineering | Civil Engineering | 86 |
| | | | Chemical Engineering | 36 |
| | | School of Electrical, Electronics & Communication Engineering | Electrical Engineering | 44 |
| Electronics & Communication Engineering | 289 | | | |

| S. No. | Faculty | School | Department | Number of Students | |
|--------|------------------------------------|--|--|--------------------------|----|
| | | School of Computing and & Information Technology | Computer Science Engineering | 161 | |
| | | | Information Technology | 169 | |
| | | | Computer and Communication Engineering | 61 | |
| 2. | Faculty of Science | School of Basic Sciences | Bio Sciences | 2 | |
| 3. | Faculty of Design | School of Architecture & Design | Architecture and Design | 35 | |
| | | | School of Planning and Design | Fashion Design | |
| | | | | Fine Arts (Applied Arts) | 36 |
| 4. | Faculty of Management and Commerce | TAPMI School of Business | TAPMI School of Business | 48 | |
| | | | School of Hotel Management | Hotel Management | 43 |
| | | School of Business and Commerce | Commerce | 71 | |
| | | | Business Administration | 136 | |
| 5. | Faculty of Arts and Law | School of Humanities and Social Science | Arts | 10 | |
| | | | Psychology | 11 | |
| | | School of Mass Communication | Journalism and Mass Communication | 99 | |
| | | School of Law | Law | 189 | |



Academic Block I

Curriculum Conclave

As constant up-gradation of curriculum and pedagogy to match the industry requirements, is imperative for an education institution, MUJ had organized a brainstorming workshop on October 15 and 16, 2018 entitled “Curriculum Conclave” for facilitating academic reforms. The objective of the conclave was to draw suggestions from all the stakeholders – academicians, representatives from regulatory bodies, teachers, industry partners, alumni and campus students for designing a competent, relevant and flexible curriculum for 2019 admission batch.

The conclave was planned in an interesting way, wherein inputs from industry partners, regulatory bodies, students, alumni, and faculty members were taken. The session started with knowledge sharing by experts working in education, industry, and regulatory bodies. The invited experts, Prof M.P. Poonia, Vice Chairperson, AICTE; Prof Ashok Kumar Tiwari, Vice President, UltraTech Cement Ltd.; Prof Manoj Singh Gaur, Director, Indian Institute of



Technology Jammu; Ar. Vijay Garg, Vice President, Council of Architecture; and, Shri Arindam Das, Director, NIFT, Gandhinagar; shared their views on various aspects of revisions required in curriculum. The programme proceeded with presentations from faculty members and student teams. Students presented their “Dream Curriculum”, whereas, faculty members presented new curriculum keeping in view the present days challenges. Alumnus of MUJ also participated in this activity and proposed new courses based on the present day challenges they are experiencing. Brainstorming sessions were held for two days, covering all departments and programmes offered by MUJ. Discussions on curriculum of engineering and science were held on 15th October and on non-engineering programmes were held on 16th October. MUJ leadership and invited experts presented their views. Each day, the deliberations from students, faculty members, and alumni, was concluded by invited experts making the overall experience fruitful for driving the change in curriculum forward.



Directorate of Student Welfare

Manipal University Jaipur ensures the holistic well-being of its students. Besides its superb academic environment, the University has many opportunities for the promotion of overall development of its students, facilitating the social leadership, personal well-being, developing high moral values and sound life skills among students. The soul of university life is the fraternities on the campus – Directorate of Student’s Welfare that becomes a surrogate family for students, helping them grow and explore latent talents in all aspects. The directorate makes continuous efforts to make the campus vibrant by student engagement and at the same time maintain overall discipline in campus and hostels. With the help of various domain heads, Proctor and Director Student welfare monitors and administrator the day to day activity of the directorate in an efficient manner. Besides this there are around 24 Nucleus Members which helps in performing routine task of the directorate as and when required by various student activities/events. Main Objectives of the Directorate of Student’s Welfare is to provide efficient, amicable quality and integral support and care to students. Student welfare comprises all the work that support and help to develop the well-being of the students. DSW coordinates different activities of Social Connect, Clubs, Campus, Discipline, Sports, Cultural Events and Counseling. A strong tradition of clubs that attract students from all departments and

schools is to facilitate the students of all streams to come closer and to work as a team to organize and execute big events, disciplines, cutting across schools, courses, and nationalities. It is one of the features that imbue MUJ with a singular charm, a unique advantage over other university campuses. Social upliftment, Environmental Conservation, Social awareness and technical solutions are some of the many projects which faculty and students take up together as a team in MUJ. University organizes societal welfare programs such as blood donation camps, plantation campaigns and awareness rallies at regular intervals to inculcate moral values in all students and develop the feeling of oneness of individual and their environment; for same cause university has adopted more than 5 nearby villages with aim to enhance awareness among the villagers regarding Health, Hygiene and Sanitation under a programme. Prominent units that determine the effective functioning of university are formed, in which students are major contributors. It helps in solving issues of students in a democratic set up by bridging the gap between University administration and the students. In Student Council, Academic Council, Library Advisory Committee and Class Committee, students are given an opportunity of representation and participation in the student welfare activities, while ensuring a congenial learning environment on the campus.

STUDENT COUNCIL 2018-2019

Faculty wise list of office bearers

| Post | Faculty of Science (FoS) | Faculty of Arts and Law (FoAL) | Faculty of Design | Faculty of Management and Commerce (FoMC) | Faculty of Engineering (FOE) |
|---------------------------------|--------------------------|--------------------------------|------------------------|---|------------------------------|
| President | Mr Rishabh Singh | Mr Utkarsh Bhushan | Mr Gaurav Rathish | Mr Yogendra Singh Khushwaha | Mr Parth Rawat |
| General Secretary | Mr Harshit Soni | Mr Tanay Khandelwal | Mr Ayush Vardhan Singh | Mr Rahul Sharma | Mr Rohit Purohit |
| Cultural Secretary (Male) | Mr Ayush Jain | Mr Nilimesh Sen | Mr Priyam Sabla | Mr Khush Anand | Vacant |
| Cultural Secretary (Female) | Ms Shubhangi Seth | Ms Muskan Mundra | Ms Jaya Singh | Vacant | |
| Sport Secretary (Male) | Mr Jitendra Yadav | Vacant | | | Mr Bhavya Kothari |
| Sport Secretary (Female) | Vacant | | | | |
| Treasure | Vacant | | Mr Devesh Rawat | Mr Aaryan Jandyal | |
| Joint Sports Secretary (Male) | Vacant | | | | Mr Shashwat Dubey |
| Joint Cultural Secretary (Male) | Vacant | | | | Mr Divyot Singh |
| Technical Secretary (Male) | Vacant | | | | Mr Hardik Gajanan |

STUDENT ACHIEVEMENTS

| S.No. | Name of The Student Achiever Registration Number Department | Name of The Event/Competition Attended | Achievement Title/ Position | Event Date Place of Event | Level of The Competition/ Event Participation Type |
|-------|---|---|---|--|--|
| 1. | Smiti Thapar (169108142) IT | Rajasthan Student Startup Exposure Program in Silicon Valley | Selected for the Trip among approx. 100 participants | 25/08/2018 to 10/09/2018 Silicon Valley, California | International; Team Participation |
| 2. | Neha Kangralkar (161201042) Psychology Hons | Rajasthan Silicon Valley Student entrepreneurs Exposure Program | Selected amongst 100 students all over the State by Govt. for Start Up Pitch and Implementation | 25/08/2018 Silicon Valley, USA | International; Team Participation |
| 3. | Syed Amjad (169105199) Computer Science And Engineering | Rajasthan SSEP 2018 | Qualified the Program- Team Howdybuddy | 26/08/2018 Silicon Valley, California | State; Team Participation |
| 4. | Akash K P (169105025) Computer Science And Engineering | Educational Scholarship | Received a Scholarship of Rs.269000 From Tata Trusts, Mumbai | 29/08/2018 Mumbai | National; Individual |
| 5. | Shreyas S. Bharadwaj (159108122) Electronics and Communication Engineering | Winner Of LETE Student Innovations North Zone-2018 held on 21 st April 2018 and Invited To Present Project In “3rd Iete Innovators And Industry Meet 2018” | Best Paper Award/North Zone Winner In Iete Student Innovation | 1/09/2018 LETE Headquarter Lodi Road, New Delhi | National; Individual |
| 6. | Arunima Chatterjee (150801004) BHM | Placements | Got Placed at Tech Mahindra With a High Package (Non B.Tech.) with a 4.5 lac Package | 15/09/2018 Manipal University Jaipur | Regional; Individual |
| 7. | Nisha Singh (169107114) ECE/V Sem | Online Technological Contest | 1 st Position | 15/09/2018 Manipal University Jaipur | Intra -University; Individual |
| 8. | Ayush Mukherjee (179402040) Mechanical | Only Students from the University to qualify for a National NCC Camp | Not Applicable | 21/09/2018 Pauwri | National; Individual |
| 9. | Ananya Chitre (179403006) B.Tech. II/Mechatronics/VI | BITS Official Sports Meet (BOSM) | 1 st Position | 22/09/2018 BITS Pilani | Inter-University; |

| S.No. | Name of The Student Achiever Registration Number Department | Name of The Event/Competition Attended | Achievement Title/ Position | Event Date Place of Event | Level of The Competition/ Event Participation Type |
|-------|--|---|--|---|---|
| 10. | Ashwani Pratap Singh Ranawat (150801005) School of Hotel Management | Tea With President | Selection in Placement Drive For Tech Mahindra | 22/09/2018 Manipal University Jaipur | Regional; Individual |
| 11. | Shubham Baheti (161002020) B.Com (Hons) III/B.Com (Hons)/VI | NSE: Chanakya Jaipur | 1 st Position | 26/09/2018 Manipal University Jaipur | Intra- University |
| 12. | Swati Kansal (189301205) B.Tech.I/CSE/II | Sinusoid Hackathon V2.0 | 1 st Position | 28/10/2018 Neemrana | Inter- University; |
| 13. | Daniya Beg (170903007) B.Com. Hons II/B.Com/IV | 13 th India Japan International Conference | 3 rd Position | 26/11/2018 Jaipur | International; Individual Participation |
| 14. | Mukul Singh (161002084) B.Com. III/B.Com/VI | 1. All India Internet University Judo Tournament. 2. Rajasthan State Judo Tournament | 3 rd Position | 30/12/2018 Amritsar, Tonk and Chandigarh | National, State, Inter-University; Individual Participation |
| 15. | B H Uday (169109040) B.Tech.III/ Mechanical/VI | IAESTE Annual Conference | Indian Delegate | 18/01/2019 Limassol, Cyprus | International; Individual Participation |
| 16. | Simran Suri (169107160) B.Tech. III/ECE/VI | Desportivos (LNMIIT Sports Fest) | 1 st Position | 25/01/2019 LNMIIT | Inter- University |
| 17. | Prakhar Jain (179301145) B.Tech. II/CSE/IV | Desportivos'19 | 1 st Position | 26/01/2019 LNMIIT Jaipur | Inter-University |
| 18. | Anshul Pratap Singh (171301009) B.A. LL.B II/Law/IV | Boxing/Inter University Boxing Championship | Silver Medal | 27/01/2019 LNMIIT Jaipur | Inter-University; Individual Participation |
| 19. | Shraddha Pandey (161301073) BA (J&Mc) III/BA(J&Mc)/VI | Boxing Championship | 1 st Position | 27/01/2019 LNMIIT | Inter- University; Individual Participation |
| 20. | Zainab Syed (181016603) Biosciences (PhD) | Recent Advances at Interfaces of Physical and Life Sciences | 3 rd Position | 28/01/2019 Jaipur | International; Individual Participation |

| S.No. | Name of The Student Achiever Registration Number Department | Name of The Event/Competition Attended | Achievement Title/ Position | Event Date Place of Event | Level of The Competition/ Event Participation Type |
|-------|--|---|--|--|---|
| 21. | Anmol Garg (169105041) B.Tech. III/CSE/IV | ACM Best Chapter (Runner-Up) Award Ceremony | ACM Best Student Chapter (Runner-Up) Award | 8/02/2019 Kochi (Kerala) | National |
| 22. | Snigdha Voruganti (171201067) BA(J&MC) III/J&MC/IV | 13 Global Communication Conclave | Kautilya Award For Young Achievers | 15/02/2019 Manipal University Jaipur | National; Individual Participation |
| 23. | Archit Gupta (179403012) B.Tech. II/Mechatronics/IV | 1. Swiggy Campus CEO 2. Finalist in an IOT Competition at IIT Bombay on 17 th March 3. Came First In Ideathon (Inter Campus Smart Idea Pitching Competition) SSIC | 1 st Position in Idea Pitching Competition, Campus CEO | 17/02/2019 Manipal University Jaipur | Intra -University |
| 24. | Lakshay Narang (179301106) B.Tech. II/CSE/IV | AIU Boxing Tournament | Went till Round of 64 | 22/02/2019 JRN University Udaipur | National; Team Participation |
| 25. | Avinash Lamba (161002050) B.Com Hons III/Accounting/VI | TMA Pai Quizzing Cup | 2 nd Runner Up | 26/02/2019 Manipal University Jaipur | Intra-University |
| 26. | Chinmay Singh (169109046) B.Tech. III/Mechanical/VI | Ardhra Aero JECRC Jaipur | 2 nd Position In Jaipur | 7/03/2019 JECRC Jaipur | National |
| 27. | Abhishek Namdeo (180902024) B.Com. Pass I/ B.Com. Pass/II | Mr & Miss Nextstar 2019 | Top 20 Mr Best Eyes | 14/03/2019 Greater Noida | National; Individual Participation |

ONEIROS - 2018

Manipal University Jaipur every year organizes its Annual Fest – Oneiros. Following events were conducted in year 2018 under this Student Fest:

| | | | |
|-------------------|-----------------|---------------------------|--------------------|
| Stock Stimulation | Rangmanch | Mission Improvable | Spoofy Do |
| Pandora's Box | Showcase | Nextar (Solo & Duet) | Izhaar |
| Fusionoid | Trippy Tiles | Just A Minute | Voice Over |
| Ekpharasis | Ingenium | Game Of Choices | Challenge Accepted |
| Pubg Championship | Shutter Stop | Focus | Picture Perfect |
| Ignited Minds | Let's Tweet | Debate | Octaves |
| Beatstreet | Twice The Voice | Shark Tank | Turncoat |
| Awaaz | Monoact | Ad-Mak | Humor Us |
| Ground Zero | Step Vs Beats | Comicstaan | Junk O Mania |
| Pycasso | Pictionary | Bamboozeled | Cluedo |
| Ludo | Instaperture | Showdown Of Socities | Powershoot |
| Sadharan | Talk-A-Thon | Dhwani | Saptak |
| Ensemble | Woodstock | Situation Crisis Analysis | Beer Game |



Glimpses of ONEIORS -2018

Student Clubs

At Manipal University Jaipur we intend to expand and expose the knowledge base of the students beyond the curricular learning. Expanding the limits of the knowledge base is necessary to explore the new arenas of emerging technology. Students will be able to explore such knowledge only when they are exposed to the global trends in arts, science and technology.

OBJECTIVES

- To nurture the passions of interested students in their fields like photography design. Public speaking, cultural activities that make the society and youth responsible towards each other.
- The clubs aim at shaping the individuals to bring best out of them in all aspects and inculcating the values simultaneously to make their life focused and happier by providing them various positive engagement of all the students.
- All round development of the students along with academic development.
- Clubs are formed and managed by the constitution made at inception of it. Clubs help students to engage and enhance cultural and traditional values.



RPM-SAE MUJ Club

are formed and managed by the constitution made at inception of it. Clubs help students to engage and experiment with technology. Chapter are the bridge between industry or global academia and MUJ student Community. These chapters help in knowledge dissemination within MUJ Student community. The clubs are the breeding grounds for future leadership and innovations and start-ups. Hence these bodies are oriented to compete for excellence, that helps us to identify the student whom we can nurture to become a future leader.



RC Glider Workshop by WINGS club MUJ

There are two different modes through which the activities of students are managed; i.e. Clubs and Chapters. Clubs

Currently there are 31 student's clubs and 9 professional chapters in the university across various disciplines, which has been growing rapidly in numbers over years. Among them Wings club is one of most interesting one, where student make aero models and drones. Our students have been recognized in nation level several times in past three years. Similarly, RPM club is another one that deals with automobiles. Among the chapters ACM has been working very actively to promote the coding culture in MUJ. LITMUS has also been organizing Model United Nations summits every year.

in this academic year itself there are four new club that has started. We are adding new clubs and chapters every year, and organizing hundreds of new events every year.

Technical Clubs

| S. No. | Name of Club | Number of Students Registered | Number of Activities Completed in 2018-19 | Nature of Activity |
|--------|---|-------------------------------|---|---|
| 1. | TRACTRIX | 37 | 4 | Quizzes and Group Discussion |
| 2. | IEEE STUDENT BRANCH | 275 | 4 | Workshops and Talks |
| 3. | AUTONOMOUS INITIATIVE | 41 | 4 | Technical Training and Organization of Competitions |
| 4. | RPM CLUB (RPM-SAE MUJ) | 230 | 4 | Technical Sessions related to automobile and Guest Lectures by industry experts |
| 5. | COSMOS – THE SCIENCE CLUB OF MUJ | 30 | 4 | Organizing guest lectures and science workshop, panel discussion at MUJ campus and various student led presentations and public outreach programs |
| 6. | WINGS CLUB MUJ | 67 | 4 | AIRUN- Aero Festival Gust Lectures, Seminars |
| 7. | INNOVADER | 56 | 4 | Technical Sessions, Interdisciplinary discussions |
| 8. | IE(I) CIVIL ENGINEERING STUDENT'S CHAPTER | 123 | 4 | Technical Events and Seminars |
| 9. | IMECHE STUDENT CHAPTER | 140 | 4 | Organize Workshops (Technical) Guest Lectures/ Seminars |
| 10. | ACM STUDENT CHAPTER | 532 | 4 | Technical Competitions Technical Talks and Workshops |
| 11. | DO-IT-YOURSELF (DIY) CLUB | 35 | 4 | Workshop on PCB Design and Technical Sessions by Techie Nest |
| 12. | PANACEA | 70 | 4 | Technical and Non-Technical |
| 13. | PHI – PHENOMENON | 45 | 4 | Educational and Technical |
| 14. | QUREKA – THE QUIZZING SOCIETY OF MUJ | 86 | 4 | Conducting on Campus Quizzes and Quiz Preparation and Training Workshops |
| 15. | LEGAL AID CLINIC | 199 | 4 | Legal Aid and awareness Counselings and Technical Talks and Workshops |
| 16. | BIOTECH CLUB | 34 | 3 | Nukkad Natak and Webinar |
| 17. | LEXLAWGICAL CLUB | 5 | 4 | Talks and Workshops and National Level Competitions |
| 18. | CONSUMER PROTECTION CELL | 110 | 2 | Awareness Programs Building Legal Aptitude |

Cultural Clubs

| S.No | Name of Club | Number of students registered | Number of Activities Completed in 2018-19 | Nature of Activity |
|------|---------------------------------|-------------------------------|---|--|
| 1. | ROTARACT Green Club | 150 | 4 | Social and Environment related activities and Awareness activities (social) and plantation for nearby schools and villages |
| 2. | The Music Club | 133 | 4 | Intra & Inter College Events; Mentorship Programs |
| 3. | APERTURE | 110 | 4 | Photography and Videography |
| 4. | CINEFILIA | 64 | 4 | Stage Plays and Street Plays |
| 5. | LITMUS | 107 | 4 | Debating/ Public Speaking/ Anchoring and Writing |
| 6. | SHABD | 36 | 4 | Promotion of Hindi Language and Promotion of Indian Culture |
| 7. | SPICMACAY | 200 | 1 | Promotion of Indian Classical music and Culture |
| 8. | SCRIBBLES – THE ART CLUB OF MUJ | 232 | 4 | Workshops and Intra College Competitions |
| 9. | COREOGRAFIA | 155 | 4 | Promotional Activities and Dance Workshops |
| 10. | YES!+ CHAPTER MUJ | 200 | 4 | College Events and Workshops |
| 11. | SOCIETY AND YOU (SAY) | 150 | 4 | Societal Connect Programs and Awareness Campaigns |
| 12. | SOPHIA (PHILOSOPHY) CLUB | 70 | 4 | Group Discussions, Debates, Extempore, Rainbow and Guest Lectures |
| 13. | ABHIGYA | 10 | 2 | Workshops and Counselling sessions for Societal Welfare |

Office of Controller of Examinations

Examination at a Glance:

- Examination are conducted for 39 Undergraduate programs, 20 Postgraduate programs including Ph.D Program.
- Online entrance examinations are conducted towards admission to various postgraduate and undergraduate programs
- Mid Term Examinations (MTE) and End-Term Examinations (ETE) are conducted as per Annual Academic Calendar notified by the Registrar.
- For each exam, the department will prepare the schedule (date, time, venue, etc) for showing evaluated answer booklets to the students in accordance with the Academic calendar and notify the same to the students.
- After end term answer copies showing, the Examination Section will get the initial grades calculated from AMS and send it to the departments for Grade moderation, if needed. A Grade Moderation Committee (GMC) comprises of the HoD and all Course Coordinator of given course is constituted in every department to modify/tweak the grade boundaries in a course, if needed, so that the grading follows a near normal distribution. After moderation the new grade boundaries and grades if any, are sent back to the Examination Section duly approved by Director and Dean, for final notification of result.
- Two Mid Term (sessional) Examinations are conducted for each course as per the Annual Academic Calendar. Re-sessional Examinations are conducted only for those students who are unable to appear in any one or both of the Mid Term Examinations due to some genuine reason, provided

they have informed the concerned authorities before commencement of examination.

- Make-up Examinations are conducted along with the Regular ETE of a semester only for the courses running in that semester. Students who get F or I grade in a course, are allowed to take these Make-up ExaMs In addition, one more Make-up Examination for theory courses of both Odd/Even semesters are conducted in the month of July every year.
- The Exam Section will notify the results within 15 days of completion of grade moderation after due approval from the Dean of the Faculty /Pro-President. The result of a student will be withheld based on the instructions of the competent authority if he/she has not paid his/her dues (fee and library) or there is a case of disciplinary action pending against him/her.
- Objectives of the department
 - a. Conduction of examination as per the annual schedule of examination.
 - b. Declaration of results as per the calendar.
- Total number of days on which the examinations have been conducted –75

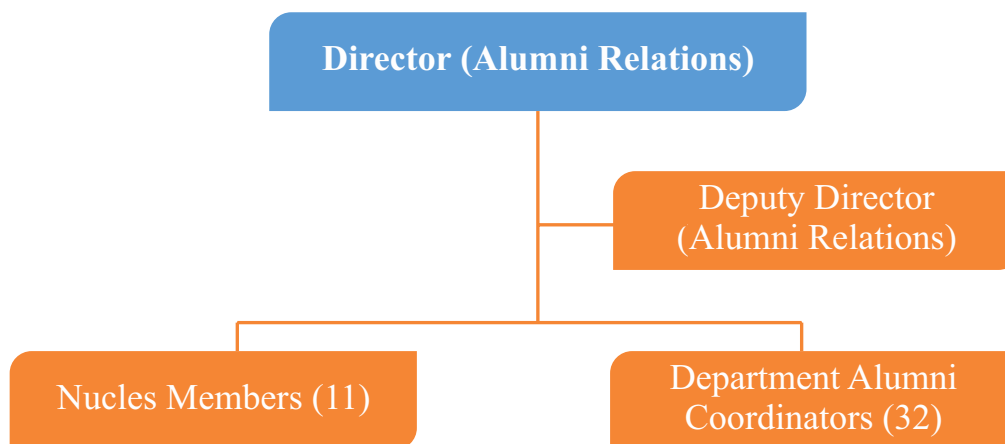
| Month | Days | Month | Days |
|-------|------|-------|------|
| Jan | 07 | Jul | 14 |
| Feb | 03 | Aug | - |
| March | - | Sept | 03 |
| April | 10 | Oct | 10 |
| May | 14 | Nov | - |
| June | - | Dec | 14 |

- No. of candidates appeared for examination during the year 2017 & 2018: 14044 (with PhD).



Directorate of Alumni Relations

MUJ has a committed functional Directorate of Alumni Relations to ensure effective and pleasant synchronization with the alumnus of the University. Directorate has following structure:



The objectives of the Directorate of Alumni Relations are:

- I. To advance amiable relationship among alumni
- II. To assimilate alumni with the current students and foster student – alumni – teacher interaction
- III. To promote societal, connect of alumni by contribution to alma mater, society and country

The above mentioned objectives are achieved through multi-dimensional methods. Directorate of Alumni Relations has embraced and expedited enthusiastic initiatives which include promotion of events planned and directed by the alumni. Some of the procedures include: felicitating distinguished alumni; showcasing alumni activity and their contribution to the alma mater; through Thrive – The MUJ Alumni Newsletter, organizing alumni interaction with students and faculty; involvement of alumni in Board of Studies; inviting their valuable suggestions in elevating the curriculum to the standards of the industry and academia by extending invitation to

curriculum conclave; maintaining alumni portal and alumni directory (<http://mujalumni.in>). Manipal University has started creating Technical Chapters demographically for better outreach with its alumni. (Youtube Videos)

Strategically, Manipal University Jaipur has partnered with AlmaShines to build a highly engaging and vibrant 'Manipal University Jaipur Alumni Platform', an exclusive network for all MUJ Alumni. It has its own web portal, <http://mujalumni.in> where an alumni can register through digital platforms

The platform also has some unique functionalities:

- 1) Jobs Board that facilitates the exchange of job opportunities among the alumni,
- 2) Special Interest Groups, which allows the alumni to lead interest based discussions,
- 3) Holistic Alumni Directory, where you can explore professional connects within the MUJ Community.



Alumni Visit During 5th Convocation

Additionally, Directorate publishes a newsletter biannually which consists information about the activities of the alumni in and outside the University. It is focused to showcase their creative skills, inspire them to couple their resources with University to help in generating intellectual

and human resources and to motivate them to magnanimously contribute by way of establishing academic Chairs, Sponsoring scholarships, mutual exchange of technological, industrial and academic knowhow. (Alumni Contribution)



Thrive – The Alumni Newsletter



Felicitation of Various Alumni Visiting MUJ

Further, Directorate of Alumni Relations has taken a unique initiative to invite and organize lectures by Alumni for the students of MUJ to feel and witness the Industry trends beyond program. Directorate takes pride that, beyond financial contribution, Alumni have been

functional in contributing intellectual-wealth to their another home i.e. MUJ. Alumni are also motivated to financially contribute to the University and society through different means.

Registered Alumni On the Portal

| Faculty | School | Department | Programme | Alumni registered on portal |
|---------|---|--------------------------|-----------------------------------|-----------------------------|
| | School of Automobile, Mechanical & Mechatronics | Automobile Engineering | B.Tech (Automobile Engineering) | 151 |
| | | Mechanical Engineering | B.Tech (Mechanical Engineering) | 530 |
| | | | M.Tech (Mechanical Engineering) | 22 |
| | | Mechatronics Engineering | B.Tech (Mechatronics Engineering) | 190 |
| | School of Civil and Chemical Engineering | Civil Engineering | B.Tech (Civil Engineering) | 375 |
| | | | M.Tech (Civil Engineering) | 11 |
| | | Chemical Engineering | B.Tech (Chemical Engineering) | 39 |

| Faculty | School | Department | Programme | Alumni registered on portal | |
|---|---|---|---|--|-----|
| Faculty of Engineering | School of Electrical, Electronics & Communication Engineering | Electrical Engineering | B.Tech (Electrical Engineering) | 261 | |
| | | | M.Tech (Electrical Engineering) | 24 | |
| | | Electronics & Communication Engineering | B.Tech (Electronics & Communication Engineering) | 538 | |
| | | | M.Tech (Electronics & Communication Engineering) | 61 | |
| | School of Computing and & Information Technology | Computer Science Engineering | B.Tech (Computer Science Engineering) | 612 | |
| | | | M.Tech (Computer Science Engineering) | 37 | |
| | | | M.Tech (Advance Computing & Data Science)* | 1 | |
| | | | M.Tech (Information & Network Security)* | 1 | |
| | | | M.Tech (Computer Aided Analysis and Design) | 18 | |
| | | | M.Tech Software Engineering | 18 | |
| | Computer and Communication Engineering | B.Tech (Computer and Communication Engineering) | 75 | | |
| | Information Technology | B.Tech (Information Technology) | 408 | | |
| | Faculty of Science | School of Basic Science | Mathematics Chemistry Physics Bio Sciences | B.Sc (Pass), B.Sc (Hon) (Mathematics), B.Sc (Hon) (Chemistry) B.Sc (Hon) (Physics) B.Sc (Hon) (Bio Science) B.Sc (Hon) (Micro Biology) | 127 |
| M.Sc (Mathmatics) M.Sc (Chemistry) M.Sc (Physics) M.Sc (Bio Science) | | | | 14 | |
| Computer Application | | | | BCA | 66 |
| | | | | MCA | 18 |
| | | | | | |
| Faculty of Design | School of Architecture and Design | Architecture | B.Arch | 105 | |
| | School of Planning and Design | Fashion Design | B.Des | 49 | |
| | | Applied Arts | BFA (Applied Arts) | | |
| | | Interior Design | B.Sc (Interior Design) | 60 | |
| | | Planning | B.Plan | 12 | |

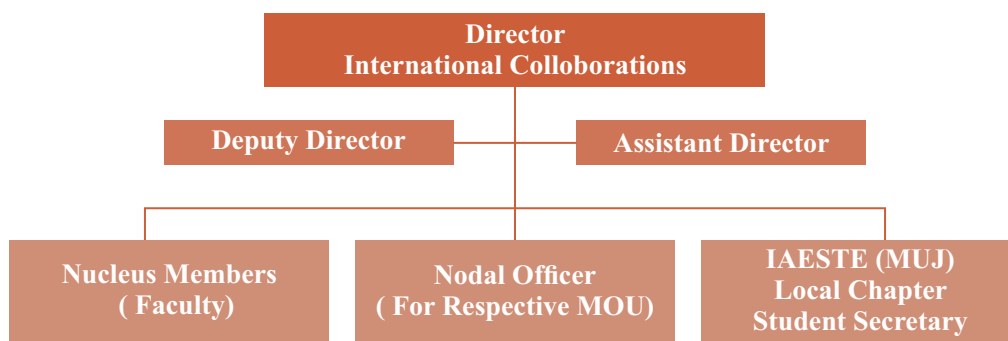
| | | | | |
|----------------------------------|---|---------------------------------|---------------------------------|-----|
| Faculty of Management & Commerce | TAPMI School of Business | TAPMI School of Business | MBA | 13 |
| | School of Business and Commerce | Commerce | B.Com | 160 |
| | | | B.Com (Hon) (Accounting) | 5 |
| | | | M.Com | 4 |
| | Business Adm | BBA | 361 | |
| Faculty of Arts and Law | School of Humanities and Social Science | Languages | BA (Hon) (English) | 1 |
| | | Economics | BA (Hon) (Economics) | |
| | | | MA (Applied Economics) | 19 |
| | | Psychology | BA (Hon) (Psychology) | 2 |
| | | | MA (Clinical Psychology) | 2 |
| | | Arts | BA (Liberal Arts) | - |
| | BPES | | | |
| | School of Mass Communication | Journalism & Mass Communication | BA (J&MC) | 231 |
| | | | MA (J&MC) | 15 |
| | School of Law | Law | BALL.B (Hon) (Integrated 5 Yrs) | 29 |
| | | | LL.B (Three Yrs) | 12 |
| | | | LL.M (Criminal & Sec Laws) | 19 |
| LL.M. (Corporate &Comm Laws) | | | | |
| Master of Laws | | | 50 | |

Number of Alumni Association /Chapters meetings / interaction / lecturs held during the last five years

| Year | 2018-19 | 2017-18 |
|-----------------------------------|---------|---------|
| No of alumni association meetings | 65 | 4 |

Directorate of International Collaboration

The Directorate of International Collaborations is established to promote internationalization and partnerships with international institutes. The Directorate facilitates collaboration and partnerships with institutions globally for student and faculty exchange, semester abroad Programme, student mobility and higher education opportunities through signing of MoU with institutions and organizations. The Directorate is headed by Mr Ajay Kumar Sharma, Director and supported by Dr Santosh Patil, Deputy Director and Dr Praveen Surolia, Assistant Director. A team of faculty members acting as nucleus members further strengthen and support the activities of the Directorate.



The nodal officer and Nucleus member initiates, coordinates and keeps track of activities with respect to the MoU. The nodal officers submit a quarterly report to Advisor- International Programme.

With international tie ups the Directorate facilitates networking of students and faculty across partner institutions and impart training to gain practical experience in international work environment, fast changing industrial scenarios, academic and industrial research. The Directorate organizes and coordinates several activities and programmes to improve social and cultural skills of all stakeholders like International Culture Day, Cross Cultural Culinary workshops, Cultural Immersion Trips and Explore India Programmes. The Directorate on periodic basis organizes presentations and interaction session of academic and industry partners with both students and faculty of MUJ. Interaction of visiting guests with leadership team of MUJ is arranged to further strengthen the ties at the highest level leading to MoU's or Agreements. Departmental heads confirm credit exchange possibilities & parity (Credit Mapping) in terms of courses on offer during the semester. Students and faculty of partner institutes willing for association with MUJ are always welcome. Manipal University Jaipur has over 66 Memorandum of Understanding (MoU) signed with Universities and Institutes from USA, UK, France, Australia, Russia, Malaysia, Germany, New Zealand, Portugal, Bulgaria, Czech Republic, Hungary, Nepal, Poland, Serbia, Singapore, South Africa, Switzerland, Ukraine and Thailand. Out of these 22 MoU have been signed in 2018-19. With many more MoU in the pipeline, MUJ is striving to leave its impression across the globe.

| | | | | | | | |
|-------------------------|----|-------------|---|----------------|---|--------------|---|
| United State of America | 10 | Malaysia | 3 | Czech Republic | 1 | Singapore | 2 |
| United Kingdom | 8 | Germany | 2 | Hungary | 1 | South Africa | 1 |
| France | 8 | New Zealand | 2 | Nepal | 1 | Switzerland | 1 |
| Australia | 6 | Portugal | 2 | Poland | 1 | Ukraine | 1 |
| Russia | 4 | Bulgaria | 2 | Serbia | 1 | Thailand | 1 |

Countries across the Globe having signed MoU with MUJ

Some of the prominent visits of faculty and delegations to and from Partner institutions during 2018-2019 were as follows:

- Dr Saiful Anwar of Universiti Malaysia Pahang, Malaysia visited MUJ from 6 – 9 August 2018 and delivered special lectures. Also an International conference ICAMEN 2019 was jointly organized with Universiti Malaysia Pahang, Malaysia from 8-9 March 2019.
- Second edition of Explore India – A cultural exchange initiative between MUJ and Lancaster University, United Kingdom was undertaken from 2-8 September 2018. A team of 18 delegates from various academic disciplines arrived to explore the diverse culture, colours, traditions and flavors of Rajasthan.

- Mr Ian Jarvis, Department of Engineering, University of Leicester, United Kingdom interacted with student of MUJ on 24 September 2018 and briefed them about possible exchange programs with UoL.
- School of Architecture and Design, MUJ in collaboration with Oxford Brookes University, UK and CEPT University, Ahmedabad organized a three days Learn Building Performance Evaluation (BPE) Workshop for teachers and professional from 11-13 October 2018. Dr Rajat Gupta from Oxford Brook University UK was the principal Instructor for the workshop which focused on Building Performance Evaluation (BPE) studies and methodologies.



- An interactive session on Innovation and Design Thinking was organized by SCIT, E-cell on 25 October, 2018. Dr Stephanie Business, Professor at Nanterre Campus, CESI, and France presided over the event. She emphasized that students must garner logic and become creative enough to tackle future challenges.
- A seminar cum workshop focusing on ‘European Funding Opportunities’ was organized on 27 October 2018. Professor Neeta Inamdar, HOD, Department of European Studies, Manipal Academy of Higher Education (MAHE) was the prime speaker/ resource person. She spoke about the importance of EU scholarships and exchange programs through Erasmus+ program.



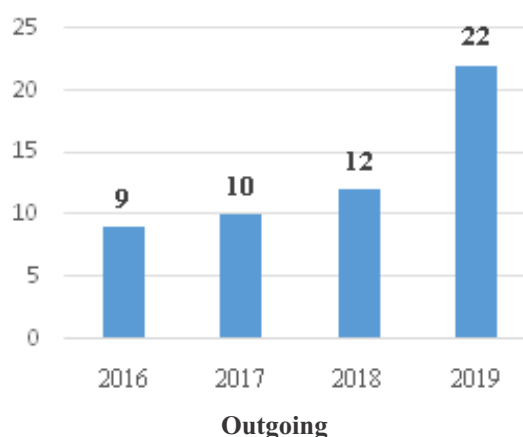
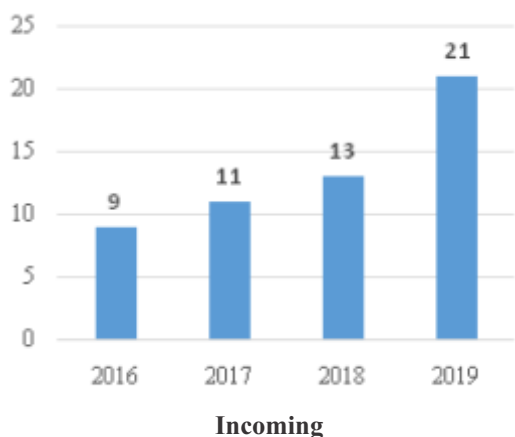
**Visit by Dato Sri’ Prof Dr Daing Nasir Ibrahim,
 Vice Chancellor, Universiti Malaysia Pahang, Malaysia and
 his team to MUJ**

- A delegation comprising of entrepreneurs representing Small Business Association of Australia visited MUJ on 16 November 2018. The team was headed by Ms Anne Nalder, Founder/CEO of Small Business Association of Australia. The delegation had an interaction with the departmental representatives and team members of Directorate of International Collaboration.
- A Guest Lecture by Mr Ian Redman, Senior Representative, ICHM, and Australia was organised to spread awareness about opportunities for higher education in hospitality and hotel administration in Australia.
- A guest lecture on Heritage Preservation was undertaken by Wang Qian and Yi Ye, Architect and Interior Designer from China on 10 December 2018. The talk focused on “Heritage Preservation” wherein the students and faculty got an insight on Conservation and History as well as they were introduced to a different perspective towards design.

- The ASHRAE Student Chapter, MUJ and School of Architecture and Design, MUJ jointly organized a lecture by Dr Chandra Sekhar, Professor, Department of Building, School of Design and Environment, National University of Singapore (NUS) on 10 December 2018. Dr Chandra Sekhar spoke about the condition of indoor environmental quality in modern buildings and the future challenges associated.
- A 12 student delegation from Australian Universities visited MUJ on 12 February 2019. The visit was facilitated by Mr Nicholas Booker from Indo Genius.
- Arizona State University's Experts visited MUJ and interacted with faculty members and students of Science and Humanities streams on 06 April 2019.

The institution has an active international student’s cell to cater to the requirements of foreign students)

The Directorate facilitates both incoming and outgoing students, in enjoying life and work in other countries with different cultural environment and at the same time obtain cutting edge technical knowledge and experience. The Directorate also supports Local Student Committee of The International Association for the Exchange of Students for Technical Experience (IAESTE). The Local Committee of IAESTE at MUJ assists both incoming and outgoing students in streamlining documentation, local hospitality and travel.



Incoming and Outgoing Student for 2018-2019

The student exchange process is facilitated by sharing information received from partner Institutions regarding opportunities for internship & exchange with students & faculty through email/posters on notice board. The students are issued required certificates or reference letters for visits and VISA, on receiving confirmation from partner institutions.



'Explore India' program organised for students of Lancaster University, UK



Australian student delegation with Mr Nick Booker, Indo Genius

International Students day is celebrated every year and several events like cultural programmes, International cross culture culinary workshop, excursions to places of historical and cultural importance are organized for incoming international students. Interactions with Local artisans and industry experts are also organized to expose students to rich cultural heritage and handicraft/cottage industry of the region. Information regarding other opportunities available (apart from existing MoU's) are shared as and when received for e.g. NUS India Connect, Rhodes scholarship, Linnaeus Palme (Sweden) etc. with students and faculty of departments concerned.



Participation of IAESTE LC MUJ at AGC 2019 held in Cyprus and National Conference (January 2019 at MIT, Manipal)



Austria



Bangladesh



Germany



Poland



Tunisia



Turkey

Nationality of Students visiting MUJ as part of various Exchange Programs

In 2018, 13 students undertook internship at MUJ across various Schools and Departments. They represented nationalities of Belgium, Germany, Poland, Thailand, Tunisia and Turkey. During the same duration 11 students of MUJ undertook internships in Austria, Bangladesh, Bosnia, Germany, Lebanon, Poland, Tunisia and Turkey.

- Two students – Raj Kaushik Borgohain and Rohit Panigrahi of Mechanical Department, MUJ had undergone Semester Exchange Programme at Hochschule Bremen, Bremen, Germany in 2019.
- B H Uday, Head Exchange at IAESTE India LC MUJ and a student of Mechanical Engineering at MUJ participated in the Annual Fest of IAESTE for Exchange possibilities held at Republic of Cyprus from 18-24 January 2019.
- 9 students of MUJ undertook 6 month Student Exchange programs under the Endowment Student Exchange / Visit support program of MUJ. They visited Universities across various countries like Germany, Hong Kong, France, Singapore, United Kingdom, China and USA.
- 5 students of MUJ under the guidance of Dr Ashish Malik, Automobile Engineering, and MUJ attended Student Exchange program at ESTACA, France.
- Krishna Mohinani, student of Department of Mechatronics, MUJ was invited as Visiting Student at Cranfield University, United Kingdom from 7 January to 6 May 2019.
- Mehul Kohli, SCIT, MUJ attended UG Major Project Work (2018-19) at Institute of Transportation (INTRANSU), IOWA State University, USA from 10 Jan to 10 April 2019.
- Aman Dogre is presently visiting University of Cambridge, UK as a research scholar for a period of six month.
- 3 students of MUJ undertook Internship under the Corporate Gurukul's Global Academic Internship Program at National University of Singapore (NUS), Singapore from 15 December 2018 to 01 January 2019.

- Mrinal Malhotra, student of Department of Computer and Communication Engineering, MUJ undertook 6 months Industry Internship under Compass Group, North Carolina, and USA.

MUJ welcomed students from across the globe as part of a two week long ‘Summer School 2019’ from 2 – 15 June 2019 by DoIC. A total of 17 courses and 5 projects were planned by various Schools / Departments. Apart from technical sessions, many other events like Inspired Talk, Talent Show and City Tour were also organized during the two weeks.



MUJ Summer School 2019 Brochure with Details of the event

Awards, recognition, fellowships received by faculty at State, National, International level from Government, recognised bodies:

The Directorate facilitates faculty of MUJ to interact with fellow experts in their field in other countries with different cultural environment and at the same time obtain cutting edge technical knowledge and experience. International experience not only enhances the research scope and teaching pedagogy of a faculty but also helps in developing professional contacts and stand out to potential collaborations.

There is a defined component under MUJ Endowment Fund which a faculty member can utilise to visit international universities or repute that can lead to MoU's between both institutions, collaborative research and joint publication opportunities, development of labs and creation of new courses to promote student exchange. Some of the faculty members who have undertaken this opportunity are listed below.

- Prof G K Prabhu, President, MUJ and Prof N N Sharma, Pro President, MUJ visited several institutions in Russia and signed MoU with 4 Universities - Bauman Moscow State Technical University, Russian State Social University, Gubkin Russian State University of Oil and Gas, The Russian Presidential Academy of National Economy and Public Administration (RANEPA), ITMO University (Information Technologies, Mechanics and Optics), Moscow State



Glimpses of visit by Prof G K Prabhu, President, MUJ and Prof N N Sharma, Pro President MUJ to various Russian Universities

University of Railway Engineering (MIIT) and National Research University Higher School of Economics. During the visit 3 MoU's were also signed.

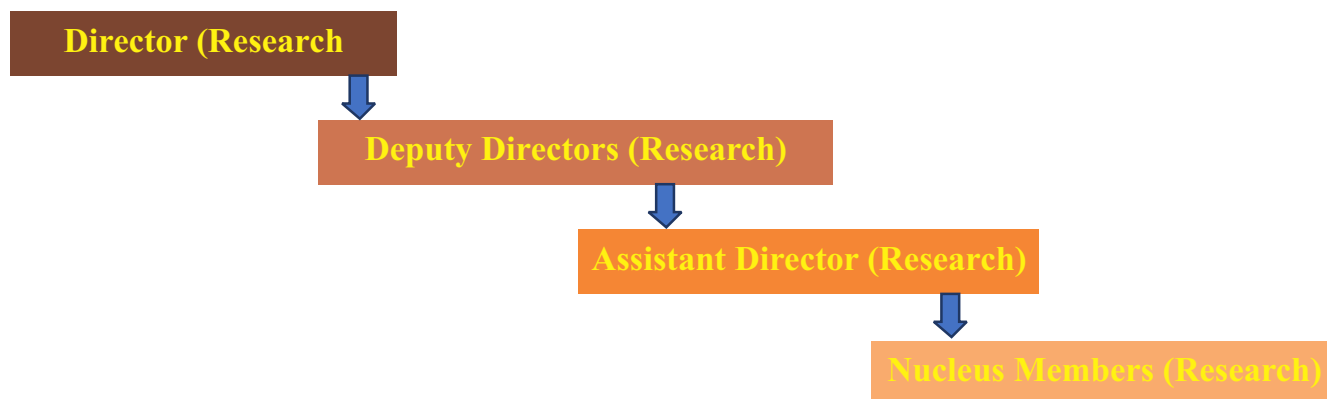
- Dr Amit Jain, Ex-Director, DoIC visited 11 Australian Universities and training centers – Study Adelaide (Govt. of South Australia), University of South Australia, Flinders University, University of Adelaide, University of Wollongong, University of Sydney, Australia Institute of Music, Blue Mountain School of Hospitality, RMIT, Monash University and TAFE South Australia in March 2019 to interact and explore avenues for development of semester abroad programmes, student scholarships, vocational education and training.

Directorate of Research

Research has always been an area of paramount importance to Manipal University Jaipur (MUJ). To provide expert support to research as core activity at MUJ, Directorate of Research (DoR) was established in June 2018, to streamline the research mandate, thrust areas, short and long-term strategies for accomplishment of its research goals. It strives to foster excellent research environment at MUJ and design research policies in accordance with UGC and MHRD guidelines. The mission of DoR is to provide an encouraging ecosystem for promotion of excellence in

research and innovation for faculty members, research scholars and students of Manipal University Jaipur.

The Directorate of Research is currently headed by the Director, Research, Prof. Subrata Bandhu Ghosh and ably supported by Deputy Directors, Research, Prof. Sanchita Bandyopadhyay-Ghosh, Prof. Kalpna Sharma, Dr. Pooja Sharma and Assistant Director, Research, Dr. Uvais Valiyaneerilakkal.



Workshops on research database & online research network platforms



Workshop on IPR



Orientation program for research scholars

NEW POLICIES/INITIATIVES

Faculty Award Incentive for Research (FAIR)/Publication & Research Award Incentive for Students to Excel (PRAISE)

Directorate of Research (DoR) initiated 'Faculty Award Incentive for Research' (FAIR) and 'Publication & Research Award Incentive for Students to Excel' (PRAISE) to encourage both faculty members and students to publish their research papers in Scopus indexed journals to improve the quality and citation of research publications.

Policy on Intellectual Property Rights

Intellectual Property Rights Cell (IPR-Cell) has been introduced by DoR to facilitate the protection and upliftment of intellectual properties generated during the scientific pursuit in the university and offer scope for ingenuity and commercialization. There will be incentive award for the granted patents. Manipal University Jaipur initiated technical and financial support to the staff for filing a patent or design or any other form of IPR

Dr. Ram Das Pai Scholarship

DoR has initiated Dr Ramdas Pai Scholarship for full time PhD research scholars to facilitate and promote research at MUJ. Under this scholarship, a full time research scholar may be offered Rs 15000/- per month in the first year, Rs 25000/- in the second and the third year respectively.

Author Institutional Affiliation Guidelines

'Author Institutional Affiliation Guidelines' were introduced by DoR to ensure that the university receives full recognition for the work in the international ranking and other research evaluations. As researchers at Manipal University Jaipur make significant contribution to the global research, they need to ensure the correct and consistent use of university affiliations 'Manipal University Jaipur' in their research outputs.

Central Analytical Facility

Central Analytical Facility (CAF) has become operational now at the university premise. CAF houses sophisticated instruments including Atomic absorption Spectroscopy (AAS), Gas Chromatography–Mass Spectrometry (GC-MS), High Performance Liquid Chromatography (HPLC), Thermogravimetric Analysis (TGA), UV-Vis Spectrophotometer and Fourier Transform Infrared spectroscopy (FT-IR).

Research Data Management System (RMS)

Research Management System (RMS) has been introduced and implemented by DoR to streamline the research activities, data verification process and data monitoring at Manipal University Jaipur.

Plagiarism Detection Service

DoR has procured Plagiarism Detection Service (TURNITIN) for similarity checking of research documents. All research related documents (conference papers, journal papers etc.) can be checked through this software. All the faculty members have been given the individual access to the same.

Seed Money to Faculty Members for Research

| S.No. | Name of the Faculty | Amount (INR in Lakhs) | Duration of Grant (Yrs.) |
|-------|-----------------------------|-----------------------|--------------------------|
| 1 | Dr. Ravi Kant Gupta | 1.0 | 1 |
| 2 | Dr. Lokesh Sharma | 1.0 | 2 |
| 3 | Mr. Firoz Alam Faroque | 1.0 | 1 |
| 4 | Dr. Dharmesh Yadav | 2.9 | 1.5 |
| 5 | Dr. Uvais Valiyaneerilakkal | 3.0 | 2 |
| 6 | Dr. Saikat Chattopadhyay | 2.9 | 2 |
| 7 | Dr. Devershi Pallavi Bhatt | 1.75 | 2 |
| 8 | Dr. Rajeev Mishra | 3.0 | 2 |
| 9 | Dr. Vishnu Goyal | 2.9 | 2 |
| 10 | Dr. Mousumi Debnath | 3.0 | 2 |

JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other Project fellows

| S No | Name of Research Fellow | Year of Enrolment | Duration of Fellowship (Yrs.) | Type of Fellowship | Granting Agency |
|------|--------------------------|-------------------|-------------------------------|--------------------|--------------------------------------|
| 1 | Dr. Smita Sharma | 2018-19 | 2 | PDF | ICSSR, Govt. of India |
| 2 | Mr. Bjorn John Stephen | 2018-19 | 3 | SRF | ICMR, Govt. of India |
| 3 | Ms. Kazi Nasrin Sultana | 2018-19 | 3 | JRF | UGC, NET |
| 4 | Ms. Zainab Syed | 2018-19 | 3 | JRF | SERB, DST, Govt. of India |
| 5 | Mr. Abhijit Vyas | 2018-19 | 3 | JRF | SERB, DST, Govt of India |
| 6 | Ms. Kanchan Soni | 2018-19 | 3 | JRF | DST, Govt. of Rajasthan |
| 7 | Mr. Mukesh Kumar | 2018-19 | 1 | JRF | J.B.Joshi Research Foundation, India |
| 8 | Mrs. Paridhi Puri | 2018-19 | 1 | JRF | DBT, Govt of India |
| 9 | Ms. Lakshika Sharma | 2018-19 | 1 | JRF | DST, Govt of Rajasthan |
| 10 | Mr. Prateek Kumar Sharma | 2018-19 | 3 | JRF | Ministry of Mines, Govt of India |
| 11 | Mr. Vipul Kumar Sharma | 2018-19 | 1 | JRF | SERB, DST, Govt. of India |
| 12 | Ms. Renuka Purohit | 2018-19 | 3 | JRF | DST, Govt of Rajasthan |
| 13 | Mr Sanjay Kumar Soni | 2018-19 | 3 | JRF | SERB, DST, Govt. of India |
| 14 | Dr. Anita Sharma | 2018-19 | 0.5 | Research Associate | AISRF, Australia |
| 15 | Mr. Surya Pratap | 2018-19 | 3 | Project Fellow | DST, Govt. of Rajasthan |
| 16 | Ms. Neeraj Tomar | 2018-19 | 1 | Project Fellow | SERB, DST, Govt. of India |
| 17 | Ms Aditi Gaur | 2018-19 | 3 | Project Fellow | SERB, DST, Govt. of India |
| 18 | Mr. Tanmay Gupta | 2018-19 | 1 | Project Fellow | INDAG Rubber Pvt Ltd. |

Grants for Research Projects Sanctioned by Government/Non-Government Sources

| S.No. | Name of the Project | Name of the Principal Investigator/ Co Investigator | Name of Funding Agency | Type (Government / Non Government) | Department of Principal Investigator/ Co Investigator | Funds (INR in lakhs) | Duration (Yrs.) |
|-------|---|---|------------------------------|------------------------------------|---|----------------------|-----------------|
| 1 | Upgradation of tyre pyrolysis product into value added chemicals (Phase II) | Dr. Abhishek Sharma | Shantol Green India Pvt. Ltd | Non-Government | Chemical Engineering | 37.4 | 1 |
| 2 | Performance of Low Cost Community based Onsite Sanitation System in Ambient Environment | Dr. Meena Kumari | DST, Govt of Rajasthan | Government | Civil Engineering | 21.2 | 3 |

| S.No. | Name of the Project | Name of the Principal Investigator/ Co Investigator | Name of Funding Agency | Type (Government / Non Government) | Department of Principal Investigator/ Co Investigator | Funds (INR in lakhs) | Duration (Yrs.) |
|-------|--|---|---|------------------------------------|---|----------------------|-----------------|
| 3 | Development of Ready -To -Use Assorted Sand for Construction Activities from Zinc Refining Wastes and Marble Powder. | Dr. Bhavna Tripathi (PI) Dr. Priyansha Mehra (Co-PI) | Ministry of Mines Govt. of India | Government | Civil Engineering | 49.5 | 3 |
| 4 | Joint Image compression and encryption for accuracy, reliability, and image quality in Telemedicine. | Dr. Pratishtha Mahur | DST, Govt of Rajasthan | Government | IT | 5.7 | 3 |
| 5 | Polyextremophiles from extreme Regions of Rajasthan: Isolation, Molecular Characterization and their Fottential Biotechnological Applications | Dr. Ashima Bagharia | DST, Govt of Rajasthan | Government | Physics | 11.5 | 3 |
| 6 | Case Study for Jaipur about Non sewered sanitation & Fecal Sludge Management | Dr Monika Sogani | ADBI Tokyo, Japan | Government | Civil Engineering | 3.5 | 0.5 |
| 7 | Electronic structure strategies and electron momentum densities of some important functional materials | Dr. Amit Soni | SERB, DST, Govt. of India | Government | Electrical Engineering | 18.96 | 3 |
| 8 | All Ceramic Magneto -electric multiferroic based Energy Harvesters | Dr. Satyapal Singh Rathore | SERB, DST, Govt. of India | Government | Physics | 45.0 | 3 |
| 9 | Present Status and Future Prospectus of Checking Psychosocial Factors Promoting Doping in Adolescence, Criminalize Doping and In-House Faults; an Investigation for Collaborative Diversified Prevention Strategies by Sport and Non-Sport Organizations | Dr. Reena Poonia | Ministry of Youth Affairs & Sports Department of Sports | Government | Physical Education | 9.0 | 2 |

| S.No. | Name of the Project | Name of the Principal Investigator/ Co Investigator | Name of Funding Agency | Type (Government / Non Government) | Department of Principal Investigator/ Co Investigator | Funds (INR in lakhs) | Duration (Yrs.) |
|-------|--|---|------------------------|------------------------------------|---|----------------------|-----------------|
| 10 | Development and scale up of Desert Solidification Technology (DST) for land reclamation in western Rajasthan | Prof Lalita Ledwani | DST, Govt of India | Government | Chemistry | 3.9 | 3 |

Workshops/Seminars Conducted at MUJ on Intellectual Property Rights (IPR) and Research Database

| S. No. | Name of the Workshop/ Seminar | Month/Year |
|--------|---|--------------------|
| 1 | Awareness Workshop on 'Intellectual Property Rights' | July 2019 |
| 2 | 'Research Idea to Patent' | June 2019 |
| 3 | 'Ethics in Patent Filing' | May 2019 |
| 4 | 'Intellectual Property Law: De Coding' | March 2019 |
| 5 | Department-wise Awareness Workshops on 'Online Research Database' | January-April 2019 |
| 6 | Workshop on 'Intellectual Property Rights' | January 2019 |
| 7 | Workshop on 'Copyright Act' | November 2018 |
| 8 | Awareness on 'Laws of Intellectual Property Rights' | October 2018 |
| 9 | Workshop on 'Plagiarism, Research, Ethics and Patent' | September 2018 |
| 10 | Introduction to 'Intellectual Property Rights' | August 2018 |

Number of IPR Published/Filed

| S. No. | Department | Name of the Applicant | IPR Application Number | Title of the IPR | Status |
|--------|--------------------------|---------------------------|------------------------|--|-----------|
| 1 | Mechatronics Engineering | Manipal University Jaipur | 201911003426 | An Economical, Automated, Non-Invasive Device for Spinal Curvature Measurement | Published |
| 2 | Mechanical Engineering | Manipal University Jaipur | 201911008422 | Clay Reinforced Moringa Oleifera Water Purifier Assembly for Purifying Water and Method for the Same | Filed |
| 3 | Mechanical Engineering | Manipal University Jaipur | 201911005558 | Waste Ceramic Reinforced Biocomposite Tiles | Filed |

| S. No. | Department | Name of the Applicant | IPR Application Number | Title of the IPR | Status |
|--------|---|---------------------------|------------------------|---|--------|
| 4 | Mechanical Engineering | Manipal University Jaipur | 201911013971 | Osteoconductive Chain Silicate Bioceramic for Bone Tissue Engineering | Filed |
| 5 | Mechanical Engineering | Manipal University Jaipur | 2019 11022001 | 3D -Printed Micro - Filter for Fluid Filtration using Geometric Stacking | Filed |
| 6 | Mechanical Engineering | Manipal University Jaipur | 315160 -001 | Water Purifying Moringa Clay Pot | Filed |
| 7 | Computer Science and Engineering | Manipal University Jaipur | 7795/2019 - CO/SW | MDIGITIZER | Filed |
| 8 | Computer Science and Engineering | Manipal University Jaipur | 8680/2019 - CO/SW | MUJ -EASY | Filed |
| 9 | Electronics and Communication Engineering | Manipal University Jaipur | 201811034647 | Village -ATM: Multimodal Biometric System | Filed |
| 10 | Chemistry | Manipal University Jaipur | 201811034142 | Surface Modification of Novel Cellulosic Fabrics by Dielectric Barrier Discharge Plasma Technique | Filed |

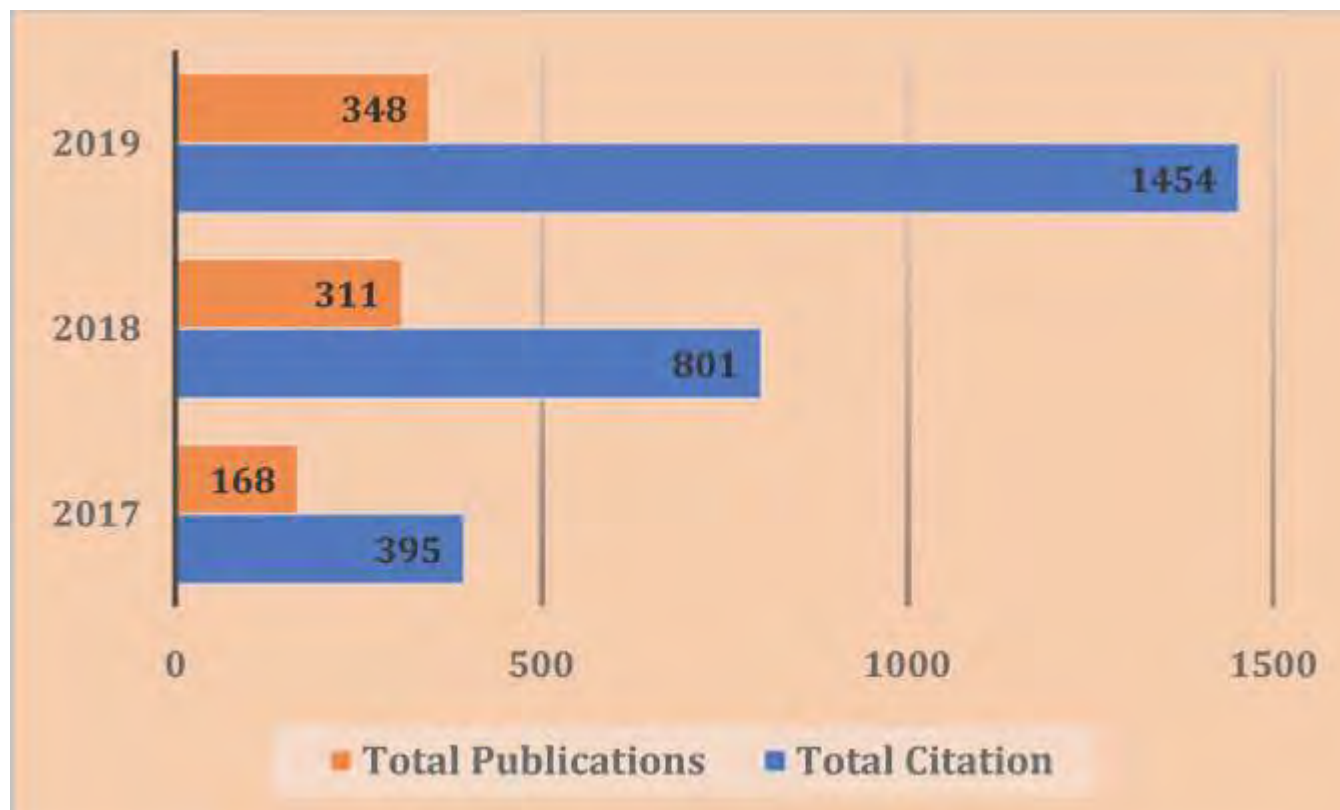
PhD Degree Awarded

| Sr. No. | Faculty | School | Department | Name of the Scholar | Name of the Guide/s | Title of the Thesis |
|---------|-----------------------|--|-------------------|---------------------|------------------------|--|
| 1 | Faculty of Arts & law | School of Humanities and Social Sciences | Languages (Hindi) | Asha Prajapat | Dr. Kusum Sharma | Kanhaiyalal Sethiya Ke Kavya Ka Kavyashastriya Adhyayan |
| 2 | | | Languages (Hindi) | Priyanka Yadav | Dr. Kusum Sharma | Nagarjun Ke Upanyaso Ka Samalochanatmak Adhyayan |
| 3 | | | Languages (Hindi) | Shravan Kumar Khoda | Dr. Kusum Sharma | Jagmag Deepjyoti Me Abhivyakt Samajik Avam Sanskritik Chetna (2004 to 2014) |
| 4 | | School of Law | Law | Kiran Raj | Dr. Vijay Laxmi Sharma | Protecting the innocence of the child: A study in legislative and judicial trends in India |

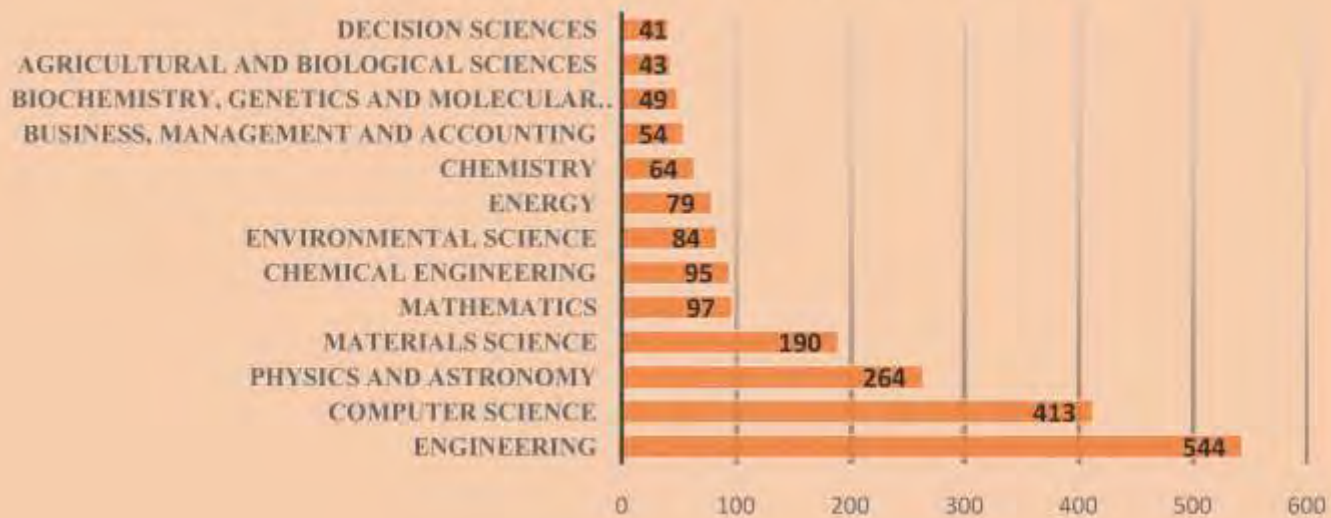
| Sr. No. | Faculty | School | Department | Name of the Scholar | Name of the Guide/s | Title of the Thesis | |
|---------|------------------------|---|-------------------------------|---------------------|-------------------------|---|--|
| 5 | Faculty of Engineering | School of Automobile, Mechanical & Mechatronics Engineering | Mechanical | Ashu Yadav | Dr. Dharmendra Tripathi | Peristaltic transport of biorheological fluids in presence of electric double layer phenomenon | |
| 6 | | | Mechanical | Rakesh Kumar | Dr. Anand Pandey | Experimental research into machining of difficult-to-machine material using electrical discharge drilling process | |
| 7 | | | Mechanical | Ashish Sharma | Dr. Dharmendra Tripathi | Thermally developed electroosmosis modulated physiological flows | |
| 8 | | | Mechatronics | Prabhat Ranjan | Dr. Ajay Kumar | Theoretical study of nanomaterials invoking density functional theory based descriptors | |
| 9 | | School of Computing & Information Technology | IT | Vijay Kumar Sharma | Dr. Devesh Shrivastava | Strengthening Wavelet based steganography schemes to transfer secure information | |
| 10 | | School of Electrical, Electronics & Communication Engineering | ECE | Vaishali | Dr. Sandeep Sancheti | Terrestrial free space optical Li – Fi for broadband access communication system | |
| 11 | | | EE | Pancham Kumar | Dr. Amit Soni | Investigation of electronic structure and optical properties of materials used in solar photovoltaic cells | |
| 12 | | Faculty of Management & Commerce | School of Business & Commerce | Commerce | Manoj Srivastava | Dr M L Vadhera | Culinary based world records and their impact as a motivating factor for hospitality students |
| 13 | | | TAPMI School of Business | Management | Aanyaa Chaudhary | Dr. Raghuvir Singh | Outcome based education in higher education institutions in India: assessment of understanding and application and measuring training impact |
| 14 | | | | Management | Harkanchan Singh | Dr. Sonia Munjal | Development of a model of earthquake disaster mitigation for Shimla city |
| 15 | | | | Management | Maruti Vitthal Khaire | Dr. Raghuvir Singh | Organizational growth and sustenance from breakthrough and incremental innovations in Indian automobile industry |

| Sr. No. | Faculty | School | Department | Name of the Scholar | Name of the Guide/s | Title of the Thesis |
|---------|---------------------|--------------------------|--------------------------|---------------------|------------------------|--|
| 16 | Faculty of Sciences | School of Basic Sciences | Mathematics & Statistics | Amit Prarmar | Dr. Shalini Jain | Heat transfer effects on non Newtonian fluid flow through porous boundaries |
| 17 | | | Mathematics & Statistics | Kuntal Devi | Dr. Ashish Kumar | Analysis of redundant system of non-identical units using Weibull distribution |
| 18 | | | Mathematics & Statistics | Preeti Gupta | Dr. Shalini Jain | A study of entropy generation on transport of Newtonian and non-Newtonian fluids in the presence of porous media |
| 19 | | | Mathematics & Statistics | Sumit Gupta | Dr. Kalpna Sharma | Thermally developed fluid flow analyses through various regimes |
| 20 | | | Mathematics & Statistics | Neha Khatod | Dr. Ramnaresh Saraswat | A study of new fuzzy divergence measures, information inequalities and their applications |

MUJ Research – Publication (Scopus Analysis)



Publications (SCOPUS) in Research Areas @ MUJ



Directorate of E-Cell

Institution has created an eco-system for innovations including Incubation center and other initiatives for creation and transfer of knowledge. Manipal University Jaipur has a large pool of talented students and faculty members. The University has made its presence felt amongst the highest echelons of the who's who of the world of Technology and Engineering in such a manner that, Atal Innovation Mission, NITI Aayog, Government of India sanctioned instituting Atal Incubation Centre at the university premises. DST, Government of Rajasthan, acknowledging the University as the Centre of Excellence, has designated it as Technological and training center.

E Cell, MUJ incubates Start Ups to encourage student to turn into entrepreneurs. In order to motivate students to come up with innovative ideas, proposals are invited all through the year. Applicants for admission in incubation center will be required to submit a preliminary application to the convener's office. Applicants are required to disclose information on executive involvement of the promoters / founders in other start – ups / companies or commercial entities. The expert committee reviews the application based on pre-determined criteria: Merit of the business proposal, financial viability; Status of the business plan, market research and feasibility studies; Growth potential; Applicant's commitment-both financial and personal time-to the venture. After pre incubation / incubation, E Cell regularly monitors the Start Ups. If the Start Ups are not being able to maintain the regular activities in their projects and remain silent or inactive for more than 3 months, they are assigned the inactive status.

The E-Cell at MUJ has been organizing a three-day fest since 2016 to encourage and provide a platform to the young talent of MUJ as well as other institutions, to promote awareness about entrepreneurship. It includes activities like B Plan competitions, Intern fair, Innovriti, talk sessions, IPL auction, networking events, B plan making workshops etc. It also organizes workshops and seminars on Intellectual Property Rights and Geographical Indications, funded by Department of Science & Technology, Rajasthan.

To meet to the expectations of the stakeholders and expand the innovation ecosystem, the University started E-Cell in 2014, which has been nurturing the ideas of students to make viable industry products. E-cell guides the technical student clubs like CSI student branch, ACM student chapter, IEEE student branch, IEI Civil, RPM, DIY, WINGS, Tractrix, IMechi, Robotics, Innovaders, Science Club, Paneccea, to name a few. In addition, the E-Cell; a catalyst of change, incorporates and spreads awareness about Government policies by interfacing with the government bodies like NSDC etc. to incubate the student ideas. The University has incubated around 39 start-ups till date, some of which have graduated and attracted public and private bodies for funding. 18 Start-ups were incubated in the session 2018 -19. With the initial support funding from the government and industry, the University is looking forward to develop a healthy innovation ecosystem.

Number of start-ups incubated on campus

| Name of the start up | Nature of start up | Year of commencement | Nature of Annexure Enclosed | Space allocation |
|------------------------|-----------------------------------|----------------------|-----------------------------|-----------------------|
| CardL | IT Services | 2018 | Pre incubation letter | Inactive |
| The Blog | Digital platform for social media | 2018 | Pre incubation letter | 225,1AB |
| Four Leaves Technology | AI | 2018 | Pre incubation letter | 225,1AB |
| Transpo | IT Services | 2018 | Pre incubation letter | Incubation letter |
| U2U | IT Services | 2018 | Pre incubation letter | Lab 10 |
| Hypervisor | Additive Manufacturing | 2018 | Pre incubation letter | 225,1AB |
| Auto Atheneum | Automation | 2018 | Pre incubation letter | 225,1AB |
| Paryaya | IT Services | 2018 | Pre incubation letter | Lab 10, Basement, 2AB |

| Name of the start up | Nature of start up | Year of commencement | Nature of Annexure Enclosed | Space allocation |
|----------------------|------------------------|----------------------|-----------------------------|-----------------------|
| ADAPT | Additive Manufacturing | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |
| HyphenSherif | IT Services | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |
| BestPay | IT Services | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |
| BlueVelocity | Renewable Energy | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |
| Eduscope | IT Services | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |
| Favent | IT Services | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |
| G2MedTech | Health care | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |
| Modish | Automobile | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |
| Merchit | IT Services | 2019 | Pre incubation letter | Lab 10, Basement, 2AB |

Consultancy Projects of Manipal University Jaipur (Revenue Generated)

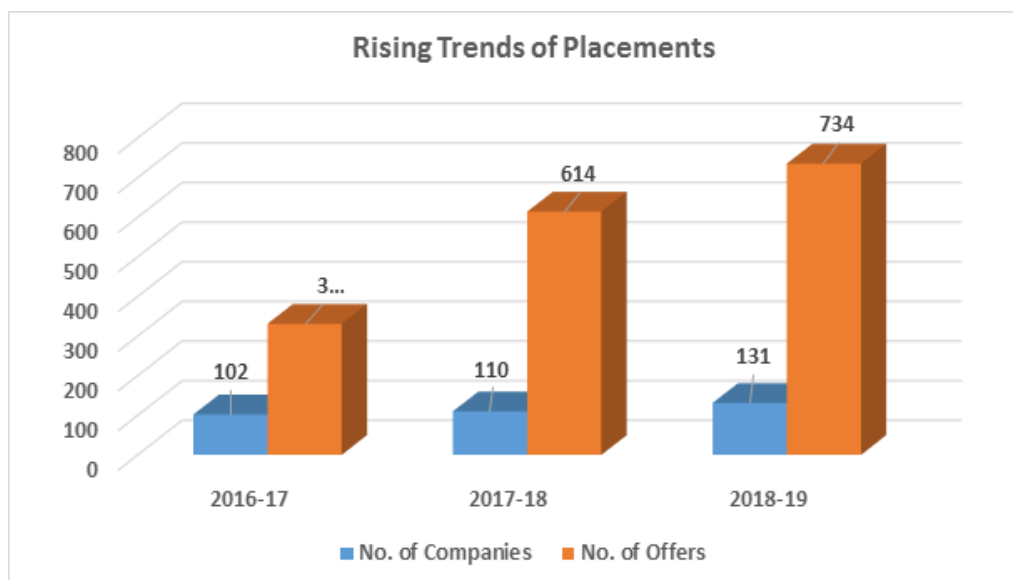
| Department | Name of the consultant | Name of consultancy project | Consulting/Sponsoring agency with contact details | Amount Received in MUJ(INR) |
|----------------------------------|-------------------------------|---|--|-----------------------------|
| Computer and Communication Engg. | Navodaya Vidyalaya Samiti-MHD | Teacher Training Program on Python Programming for PG Teachers (Computer Science) of Navodaya Vidyalaya Samiti (NVS) – MHRD | Navdaya Vidyalaya Samiti, Regional Office, Jaipur Contact No. : 0141-2375110, Fax No. : 0141-2375426 Visit us at http://www,nvsrojpr.gov.in | 1067900 |
| Civil Engineering | Prof A D Vyas | ADBI Project | ADBI | 347890 |
| Civil Engineering | Dr Bhavna Tripathi | Mix Design Project | Aditya Industry | 25430 |
| Management | Dr Manvinder Singh Pahwa | Dairy Cooperative | Pali Zila Dugdha Utpadak Sahakari Sangh | 30000 |
| Fashion Department | Mr Mehboob Anwar | Training Program | S.M International | 42370 |
| Chemical Engineering | Dr Abhishek Sharma | Distillation of fuel | Shantol Green India Private Limited | 50000 |
| Civil Engineering | Dr Nitin Goyal | Air Pollution source study for Vasco Da Gama, Goa | IIT Bombay | 900000 |

Training & Placement

Training and Placement Department at Manipal University Jaipur (MUJ) helps in Training and providing Placement opportunities to final year students in the corporate organizations. The department liaises with various corporate houses for long term relations. The Department continued its initiatives in career development and campus recruitment activities in the year 2018-19. The Department has organized different activities to strengthen capacity of young talents and increase their confidence to meet the real life challenges. The Department has organized several activities to enhance the employability skills and facilitate employment opportunities for the interested students of the university. During the year 2018-19, the Department has successfully networked with reputed organizations to arrange job opportunities for students of the University. During the period under consideration, the Department facilitated 734 job offers for students. The Placement Department has assisted students to secure employment opportunities in the corporates such as Capgemini, Adobe, Sapient, Texas Instruments, Adani Green Power, Secure Meters, Societe Generale, TekSystems, Dell, Synopsys, Mindtree, Sopra Steria, Indian Army, Asahi India Glass, SAP Labs, Mettl, GE Power, Torrent Power, etc.. During this period, the Department conducted counseling for the students studying different regular courses. The Placement officers visited different departments and interacted with students on career choices and employability issues. Besides, The Department conducted free Employability Assessment Test for the students. Members of the placement team have visited different organizations across the country in the efforts to brand building, networking and inviting to MUJ.

Campus Selection 2018-19

| Faculty | Students in Final Year | Registered For Placements | Total Offers |
|----------------------------------|------------------------|---------------------------|--------------|
| Faculty of Engineering | 951 | 739 | 623 |
| Faculty of Management & Commerce | 321 | 110 | 68 |
| Faculty of Science | 80 | 25 | 22 |
| Faculty of Arts & Law | 164 | 32 | 18 |
| Faculty of Design | 114 | 58 | 3 |
| Total | 1630 | 964 | 734 |



Summary of Career Services at Manipal University Jaipur (2018-19)

| Sr. No. | Activity | No. of Students Benefitted |
|---------|---|----------------------------|
| 1. | Career Counselling for B.Tech Graduate Course (Manipal University Jaipur) | 900 |
| 2. | Career Counselling for B.Com and BBA Graduate Course (Manipal University Jaipur) | 177 |
| 3. | Career Counselling for BHM Graduate Course (Manipal University Jaipur) | 30 |
| 4. | Career Counselling for LAW Course (Manipal University Jaipur) | 58 |
| 5. | Soft Skill Training for Career Development for B.Tech (Manipal University Jaipur) | 415 |
| 6. | Soft Skill Training for Career Development for MBA (Manipal University Jaipur) | 41 |
| 7. | Ericsson Campus Connect Program for Technical Enhancement of ECE Students (Ericsson Campus Connect Program) | 60 |
| 8. | Career Counselling Seminar for CAT/ GRE/ GMAT Exams (MANYA-The Princeton Review) | 453 |
| 9. | Career Counselling Seminar for CAT/ GRE/ GMAT Exams (CL Educate, Formerly Career Launcher) | 370 |
| 10. | CAT Preparation at MUJ (T.I.M.E Institute) | 51 |
| 11. | GRE/ GMAT Preparation at MUJ (T.I.M.E. Institute) | 40 |
| 12. | Career Orientation for 6th Semester B.Tech Graduate (Manipal University Jaipur) | 596 |
| 13. | Soft Skill Training for B.Tech for Career Development (FACE & Manipal University Jaipur) | 574 |
| 14. | Computer Based Test for Career Development | 943 |

Recruiters List in 2018-19

| | | | |
|-----------------------|--------------------------|-----------------------|---------------------|
| Abyeti | DXC Technology | Law Desk | S&P Global |
| Adani Gas | E- infochips | Law Orbit | SAP Labs |
| Al Shirawi | Ericsson | Mast Global | Sapient |
| All in Call | E-Sakal | Mcdonalds India | Secure Meters |
| Amazon Seller Support | Extramarks.com | Media.Net | Sokrati |
| AngloEastern Shipping | First India News | Metacube | Solar Maxx |
| Apperfect | FIS Global | Mettl | Sopra Steria |
| Asahi India Glass | Flsmidth | Microsoft | Spectral Management |
| Ather Energy | General Electric | Mindtree | Spring role |
| ATMECS | Global Reach | Mindtree (off campus) | Tata Technologies |
| AU small finance Bank | Godrej & Boyce Pvt. Ltd. | My Loancare.in | TCS Code Vita |
| Axis Bank | Healthkart | My Operator | Tech Mahindra |
| Basilica Law Firm | HSBC Software | Nagarro Software | Tek Systems |
| Cap Gemini | IBM | NIIT Technologies | Tetra Pak |
| Car Dekho | ICICI Bank | NineLeaps | Think N Learn |
| Cerner Corporation | ICICI Securities | Odessa | Torrent Power |
| Compro Technologies | Info Objects | Omax Autos | Truechip |
| Concentrix | Infosys | OyO Rooms | United Health Group |
| Convergys | Innovation M | People Scout | Value Labs |
| Coreel Technologies | Jaro Education (B.Tech) | Pinnacle | ValueMomentum |
| Dell | Just Dial | RDC Concrete | ZS Associates |
| Dru Electric | L&T Infotech | Rockman Industries | Zycus |

Internship Opportunities to our students:

| | | | | |
|----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------|
| Airtel | ECIL | Indus towers | Minda SAI Ltd | Siemens |
| Allute Detailing Solutions | Emerson | ISRO | Mitsuba | SoCtronics |
| Amazon | Fiat | ITC Infotech | Nippon Technology Solutions | Sonalika International |
| AMW | Ford | JBM | Nokia Siemens Networks | Sopra Steria |
| Appirio | Fracktal Works | JCB | NPCIL | ST Microelectronics |
| BARC | Genus | John Deere | NTPC | Tata Motors |
| Birla Soft | Godfrey Phillips India Ltd. | Lafarge | OMAX Autos | TCS |
| BMW | Honda | L&T Electrical & Automation | Qualcomm | TekSystems |
| Bosch | Honeywell | LG | Reliance Jio | Tenneco |
| Cadence | HP | Lumax | Roki Minda | Texas Instruments |
| CNH Industrial | Huawei | Mahindra | Sapient Nitro | Think & Learn |
| Crazzle Plus | Idea | Maruti Suzuki | Schneider Electric | Volvo Eicher |
| Dell | Indo Autotech Ltd | Mercedes Benz | Secure Meters | Wapcos |



ZYCUS



ZS Associates



Microsoft



DELL

MUJ Teacher Empowerment Center (MUJ-TEC)

Manipal University Jaipur- Teacher Empowerment Center (MUJ-TEC)

In order to enhance effective teaching skills and to provide mentorship to teachers for different academic roles, MUJ-TEC has been established at Manipal University Jaipur.

Advanced Pedagogic & Personal Effectiveness Workshop

MUJ-TEC organized two one day workshops on 17th April and 20th August, 2018 on the topic 'Advanced Pedagogic and Personal Effectiveness reinforcing the concepts presented in an earlier faculty development programme on pedagogic and personal effectiveness.

It also provided further insights in higher education revolving around the following themes:

- Shibboleths in Faculty Development: Avenues to Teacher Empowerment
- Congenial Classroom Climate: Creating Conditions Conducive to Learning
- Maintaining Instructional Vitality: Sustaining the Zeal for Teaching
- Multiple Intelligences: Discovering and Nurturing the Hidden Potential of Students

RESOURCE PERSON

Prof K Ramnarayan,
Chairperson, MUJ & Vice
President, Faculty
Development, MAHE

Prof Sudhakar Nayak,
Director, Centre for Professional and
Personal Development, MAHE &
Adjunct Professor, MUJ-TEC

Prof Prashanti Eachempati,
HoD of Prosthodontics, Melaka
Manipal Medical College, Melaka
Malaysia & Adjunct Professor, MUJ-TEC

PEDAGOGIC & PERSONAL EFFECTIVENESS WORKSHOP

Three faculty empowerment program for academics was organized by MUJ-TEC at Manipal University Jaipur from 18th to 20th April, 21st to 23rd August and 10th to 12th December 2018. This faculty development workshop, with a track record of over two decades, has been designed by and for teachers in Manipal group institutions to share and discuss experiences and insights in higher education.

The sessions focused on the following themes:

- Learning in large and small groups
- Communication skills to facilitate change in student behavior
- Fostering a safe and supportive learning environment
- Methods to measure students' understanding
- Public Speaking skills for an academic staff member
- Essentials of student assessment
- Teacher intelligence a total of 129 faculty members participated the three workshop

Outcome Based Education

'OBE and its implications in the day to day teaching-learning'

MUJ-TEC organized an FDP orienting the faculties of MUJ on 'Outcome Based Learning (OBE) and its implications in day-to-day teaching learning activity' from 22nd to 24th May 2018. Prof S.N. Bhat, OBE expert, MIT MAHE, was the resource person. He interacted with 235 MUJ faculties, in five batches, for OBE implementation in enhancing teaching learning effectiveness.

Introduction to OBE (Course Plan)

MUJ-TEC organized two workshops on introduction to OBE on 25th to 27th July, 2018 and 9th to 11th August 2018 at MUJ for 151 invited faculties of MUJ. This workshop explored in the following area: • Write Course Outcomes to map with Program Outcomes in Articulation Matrix • Develop Lesson Plans to select method of teaching to deliver Lesson Outcomes •

Mapping Assessment Questions (MTE and ETE) to Course Outcomes in Attainment Matrix • Measuring Course Outcome Attainment Prof S N Bhat, MAHE, and Prof Raghu Vir Singh, TSB, MUJ were the resource persons. A total of 166 faculties participated in the workshop.

Has the Flipped Classroom Flopped?

MUJ-TEC organized a mini workshop, facilitated by Dr K Ramnarayan, Chairperson, Manipal University Jaipur, on 17th and 18th October, 2018 at MUJ for 56 participants. Prof. K Ramnarayan discussed the use of flipped classroom, its utility and viability as an effective instructional method under the following themes. • Essential ingredients of the flipped classroom • Preparation, precautions and pitfalls while implementing it • Integration of the flipped classroom in our academic settings.

Sculpting an Academic Teaching Portfolio

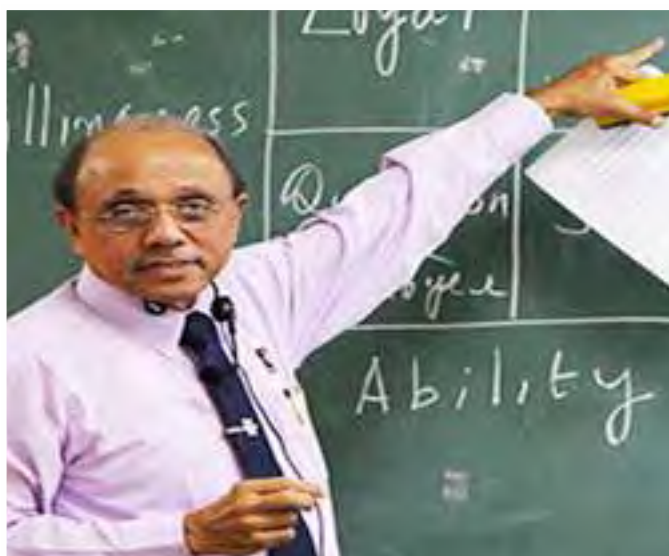
Three mini-workshops on ‘Sculpting an Academic Teaching Portfolio’ was organized by MUJ-TEC on 7th June, 27th July, and 6th September, 2018. The workshop focused on the following themes: • Conceptualize educational scholarship • Document teaching effectiveness • Utilize these documentation standards for professional growth • Make educational activities valued and visible Prof K Ramnarayan addressing the participants said, “Teaching effectiveness and educational attainments need to be documented not merely for self-improvement but also for the career advancement of an educator. Unsurprisingly, this is not easily accomplished.” A total of 145 faculties participated in the workshop.

Assessment

MUJ-TEC organized a two-day workshop on principles and practices of effective student assessment for the faculties of IIS University, Jaipur on 14th and 15th December, 2018 at IIS University, Jaipur. Prof K Ramnarayan, Chairperson, MUJ & Vice President, Faculty Development, MAHE and Prof Prashanti Eachempati, HoD of Prosthodontics, Melaka Manipal Medical College, Melaka, Malaysia & Adjunct Professor, MUJ-TEC were the resource persons.

The workshop was organised under the following topics:

- Integrating the basic components of the educational process
- Assessment for learning
- Congenial classroom climate
- Objectivity in subjectivity
- Item analysis
- Blueprint for assessment



PEDAGOGIC & PERSONAL EFFECTIVENESS WORKSHOP

Directorate of Quality and Compliance

Strategic Roadmap Deployment

In 2017-18, 26 faculty handpicked across all programs were assigned the task to develop a strategic roadmap to identify key initiatives for improving our NIRF ranking from 151-200 band to TOP 100 by 2022-23. Annual measurable milestones were developed based on NAAC and NIRF parameters. These milestones formed the basis of our Quality System's Key Performance Indicators (KPI). All departments aligned their goals to this common set of KPIs for achieving our strategic roadmap milestones. Directorates were established as process owners to ensure standards and remove any roadblocks a department may encounter. Process data collected from this measurement system is reviewed at two leadership meetings – Deans & Director Monthly Structured Meeting and Section Heads/Directorates Monthly Structured Meeting. Countermeasures to improve quality system performance are put in meeting minutes for subsequent follow-up and closure. Faculty and Staff annual performance appraisal goals are aligned to their department's KPI to ensure execution and milestone achievement.

Outcome Based Education in both Engineering and Non-Engineering Programs

Since the new NAAC guidelines released in July 2017 introduced requirements for measuring program outcomes for non-engineering programs besides what was traditionally required for engineering programs, a massive training initiative was required. Each department nominated OBE coordinators to be trained as mentors for developing program outcome articulation and attainment matrices. Each faculty developed course outcomes mapping to their program's outcomes and lesson outcomes were mapped to course outcomes. Hands on workshops were conducted by MUJ Teacher Empowerment center for writing course plans and selecting pedagogic methods with appropriate assessment techniques. Attainment thresholds were established so that each department's OBE coordinator could measure their program attainment and improvements required for specific courses. By introducing program outcome attainment goals as a department's Key Performance Indicator, leadership can review and suggest improvement during Dean & Directors Monthly Meetings for reporting to Academic Council.

Program Outcomes Attainment Review

All programs at Manipal University Jaipur have adopted NAAC guidelines established in July 2017 for learning outcomes, including engineering and non-engineering programs. These learning outcomes are called Program Outcomes and Program Specific Outcomes and are based on Graduate Attributes established by Washington Accord. Program Outcomes attainment are measured by each department using a common standard workbook to capture students course outcomes attainment versus a threshold set by their course teacher. Since Program Outcome attainment percentage is a key performance indicator (KPI) for academics, it is reviewed by Deans and Directors every semester and at the end of an academic year. Improvement actions at the course level are monitored at various levels beginning with a Department's OBE coordinator and then at the School Director's level for reporting to their Faculty Dean during mid-year and year end KPI reviews. Faculty Deans and Directors then review their respective program attainment performance with the Vice Chancellor and Pro Vice Chancellor along with Directorate of Academics and Directorate of Quality & Compliance.

Teaching Learning Process Review - Student Satisfaction Survey Analysis

Survey responses from students about their satisfaction with teaching learning process is conducted after 2 weeks of classes beginning and two weeks before classes end every semester. These responses are analyzed for common strengths and weaknesses across all programs to identify initiatives to improve satisfaction levels. Individual departments analyse their student responses with each class committee to identify specific actions that can be implemented during the semester and before a new semester begins. This cycle is repeated every semester to strengthen our teaching learning processes by introducing new pedagogic methods and assessment techniques.

Number of quality initiatives by IQAC for promoting quality culture

| Name of quality initiative by IQAC | Date of conducting activity (from-to) | Number of participants |
|---|---------------------------------------|------------------------|
| Lean Six Sigma | 21-25 May 2019 | 23 |
| IQAC orientation for New Faculty Members | 4 July 2018 | 40 |
| Strategic roadmap to MUJ Leadership retreat | 3-5 December 2019 | 60 |
| Strategic roadmap 2020 | 6-7 July 2018 | 350 |

IT Infrastructure

MUJ boasts of state-of-the-art IT Infrastructure, offering world class services, covering all aspects of the managing and processing of information systems. It is based on In-house as well as outsourced support, through MaGE, DVoiS and Dimension Data, Velocis.

Hardware

- Servers, Independent as well as on the cloud
- More than 1000 Desktop Computers and Workstations
- More than 5000 Laptops
- More than 200 LCD Projectors
- More Than 800 IP Telephones
- 160 Printers and Reprographics
- More than 150 CISCO Network switches
- Fax machines
- Video Conferencing systems Cisco SX-80/DX-80 Based
- 35 Smart phones
- Virtual Classroom Based on Cisco SX80 Tele presence System.

Services

- More than 7000 computers/Laptops Bandwidth of more than 1 Gbps (1 gbps+ 155 Mbps), through different ISPs like Tata, BSNL, Reliance.
- 310 Mbps leased line for faculty and staff.
- Centralized Surveillance system with IR and Night Vision with 750+ Cameras- IP CCTV Command Centre
- Central Computing Facilities
- CDAC Paramshavak for Supercomputing
- MHRD's QEEE infrastructure
- Enterprise Class Email facility by Office365
- Academic Management System
- DMS- Digital Management System
- Student Life cycle Management- SLCM
- ERP- Enterprise resource planning for education vertical- Microsoft Dynamic NAV
- Wi-Fi facility throughout the campus with more than 1300 Cisco 702i Aps
- Library access through KOHA Cloud and shibboleth identity services
- IT Helpdesk System
- Employee Service Platform
- Office Communicator
- High power computing (HPC) 70+ nodes, 20 Blade servers
- Central media center with recording facility for lecture capturing system 1.5 Gig Backbone with more 200 Wi-Fi Network points
- e-governance based on ERP system for academic/administrative/financial functions

Software

- More than 50 licensed Softwares
- Dynamics ERP for Finance, Admission, Purchase, TPO , Exam and Academic Management
- Microsoft volume licensing subscriber
- Unix, Linux, Microsoft OS, Mac-OS
- Addon to KOHA Easylib for Library with OPAC tool
- Employee Expert HRIS for HR
- Mycampusdays.com for Hostel management
- YOHO for hostel access and registrations to open source and free license s/w.

Human Resource Department

The HR office at Manipal University Jaipur ensures that the University's Mission, Vision and Values are upheld in everyday activities, like providing service to the university staff and employees. It also manages Recruitments, Organizational Development with the objective of developing and implementing progressive HR policies and procedures designed to foster excellence in a diverse work force. In the recent past, HR department has launched career advancement scheme (CAS) for providing promotion to eligible faculty members of the university. The details of the various statistics from HR department is mentioned in the following tables.

Details of the Teaching and Non-Teaching Staff of the University:

| Teaching Faculty | | | | | | | | | | | | |
|-----------------------|-----------|---|---|----|---------------------|----|---|----|---------------------|-----|---|-----|
| | Professor | | | | Associate Professor | | | | Assistant Professor | | | |
| Sanctioned | 61 | | | | 122 | | | | 367 | | | |
| Recruited | 37 | 9 | 0 | 46 | 71 | 27 | 0 | 98 | 205 | 114 | 0 | 319 |
| Yet to Recruit | 15 | | | | 24 | | | | 48 | | | |

| Non-Teaching Faculty | | | | |
|-----------------------|------|--------|--------|-------|
| | Male | Female | Others | Total |
| Sanctioned | - | - | - | 150 |
| Recruited | 135 | 12 | 0 | 47 |
| Yet to Recruit | - | - | - | 3 |

| Technical Staff | | | | |
|-----------------------|------|--------|--------|-------|
| | Male | Female | Others | Total |
| Sanctioned | - | - | - | 57 |
| Recruited | 56 | 1 | 0 | 57 |
| Yet To Recruit | - | - | - | 0 |

Qualification Details of the Teaching Staff

| Permanent Teachers | | | | | | | | | | |
|-----------------------|-----------|--------|--------|---------------------|--------|--------|---------------------|--------|--------|-------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | Total |
| Ph.D. | 34 | 7 | 0 | 67 | 25 | 0 | 81 | 60 | 0 | 274 |
| PG | 3 | 2 | 0 | 4 | 2 | 0 | 122 | 50 | 0 | 183 |

| Temporary Teachers | | | | | | | | | | |
|-----------------------|-----------|--------|--------|---------------------|--------|--------|---------------------|--------|--------|-------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| Ph.D. | - | - | - | - | - | - | - | - | - | - |
| PG | 3 | 2 | 0 | 4 | 2 | 0 | 6 | 1 | 0 | 7 |

Synergic Manipal Integrated Leadership Engagement Programme (SMILE)

SMILE (Synergic Manipal Integrated Leadership Engagement) is a leadership development program launched in the year 2015 at Manipal University Jaipur with an aim to create leaders in academia in the Indian and global context. It aims to develop openness to learning and feedback, faculty thinking as institution builders, nurturing talent and leveraging strengths of individuals through various workshops.

Objectives:

- To Develop Leadership Capability of Faculty in Manipal University Jaipur
- Ready internal pool of leaders for succession with skills to man critical positions
- Build the leadership pipeline in the University

Considering the University's growth in the past and our leadership requirements in the future, Manipal University Jaipur has undertaken the SMILE programme. SMILE is a well-planned initiative to develop leaders from within, to grow them to higher-level roles and responsibilities in the institutions of Manipal University. SMILE program undertakes individual assessments through psychometric tools, 360-degree feedback, understanding their strengths through gallop Strength finder and development centers with sustained period of nine months. In addition, there are classroom sessions with best-in-class faculty and a mentoring program to support the participants, along with customized learning tools. The program is run in two phases i.e. SMILE & SMILE Advance.

The customized programme has already completed three cycles in Stage I i.e. SMILE 1, SMILE 2 & SMILE 3. Currently the fourth batch of SMILE Phase I is undergoing its training. The batch has 15 participants from different streams in the University. Simultaneously 30 participants who have already completed Phase I are undergoing SMILE Advance training program. As a High-Performance Institution, we attach paramount importance to the group that goes through such a professional development process while considering senior level progression.



SMILE3 2018-19

Financial Statements

MANIPAL UNIVERSITY, JAIPUR

Dehmi Kalan Village, Tehsil Sanganer, Jaipur District, Jaipur, Rajasthan – 303 007

BALANCE SHEET AS AT MARCH 31, 2019

| | (Amount in Rs. Lakhs) | |
|---|-----------------------|-----------------------|
| SOURCES OF FUNDS | MARCH 31, 2019 | March 31, 2018 |
| Corpus Fund | 5,060.74 | 5,060.74 |
| Endowment, Designated and Other Funds | (6,727.72) | (7,188.80) |
| Loan Funds | 33,233.76 | 33,417.99 |
| TOTAL FUNDS EMPLOYED | 31,566.78 | 31,289.93 |
| APPLICATION OF FUNDS | | |
| FIXED ASSETS | | |
| Gross Block | 44,084.39 | 42,944.59 |
| Less: Depreciation | 13,276.69 | 10,085.43 |
| Net Block | 30,807.70 | 32,859.16 |
| Capital Work In Progress & Advance | 1,460.13 | 153.24 |
| | 32,267.83 | 33,012.40 |
| INVESTMENTS | 5,732.76 | 5,685.13 |
| CURRENT ASSETS, LOANS AND ADVANCES | | |
| Account Receivable | 128.01 | 108.01 |
| Cash and Bank Balance | 984.22 | 798.26 |
| Loans and Advances | 698.13 | 361.22 |
| Other Current Assets | 352.47 | 327.14 |
| | 2,162.83 | 1,594.63 |
| Less: Current Liabilities and Provisions | 8,596.64 | 9,002.23 |
| NET CURRENT ASSETS | (6,433.81) | (7,407.60) |
| TOTAL APPLICATION OF FUNDS | 31,566.78 | 31,289.93 |

The schedules referred to above form an integral part of the financial statements.

As per our Report of even date

MANIPAL UNIVERSITY, JAIPUR
 Dehmi Kalan Village, Tehsil Sanganer, Jaipur District, Jaipur, Rajasthan – 303 007
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON MARCH 31, 2019

| | <u>2018-2019</u> | <u>2017-2018</u> |
|--|-------------------|-------------------|
| INCOME | | |
| Tuition & Other Fees | 15,284.54 | 13,871.34 |
| Interest and Divident Income | 586.15 | 423.38 |
| Other Income | 361.84 | 421.58 |
| TOTAL INCOME | 16,232.53 | 14,716.30 |
| EXPENSES | | |
| Staff Compensation | 5,284.26 | 4,709.74 |
| Academic Expenses | 1,454.66 | 1,829.26 |
| Utilities and Services | 1,408.45 | 1,192.18 |
| Office and General | 1,179.26 | 1,044.19 |
| Finance Charges | 3,127.86 | 2,436.42 |
| Depreciation | 3,236.89 | 2,758.76 |
| TOTAL EXPENSES | 15,691.38 | 13,970.55 |
| SURPLUS/(DEFICIT) | 541.15 | 745.75 |
| Excess of Income over Expenditure opening Balance B/Fd | (7,457.49) | (8,203.24) |
| Excess of Income over Expenditure closing Balance C/Fd to Balance Sheet | (6,916.34) | (7,457.49) |

Academic Faculties/ Schools / Departments

IV





Faculty of Engineering

School of Automobile, Mechanical & Mechatronics Engineering

Established : 2011
 Faculty : Faculty of Engineering
 Dean : Dr Jagannath Korody
 Director : Dr G L Sharma (upto 1 July 2019)
 Dr Shiva Prasad H C (from 1 July 2019)

About the School

School of Automobile, Mechanical & Mechatronics Engineering (SAMM) is instituted with a well-defined vision of achieving International repute in education, training and research in the core and allied fields of Mechanical, Automobile and Mechatronics Engineering.

The school offers basic and advanced training programs to its students and exposes them to related research in contemporary and futuristic technologies, by way of continual improvement and consistent innovation in material and intellectual infrastructure. In SAMM, we recognise the developing sustainable industrial requirements. We focus on advanced "smart" ways of technological applications, contributing to the socio-economic growth of the nation, with seamless integration of diverse engineering facets of the industry. We aim to cultivate core competencies and keep our students abreast with basic & applied research.

Department of Automobile Engineering

Programs:

1. B.Tech
2. PhD

About the Department: Department of Automobile Engineering was established in the year 2012, offering B. Tech degree with an annual intake of 60. The objective of the department is to impart quality education through updated curriculum to meet the changing requirements of automotive industry and preparing graduates to contribute to the society with technically and commercially viable solutions. Department is equipped with well qualified faculty and state-of-the art laboratories to develop Electric Vehicles and alternative fuels, workshop for testing and diagnosis of IC Engine and transmission system in addition to conventional labs such as material testing and CAD/CAE

labs along with necessary softwares. Students have enough opportunities for working on projects and internships in automobile industries and research institutes to become industry ready engineers. Department has vibrant student clubs such as SAE India and Road Safety Club in which students design and build vehicles in-house to showcase their talent in SAE competitions at national level such as BAJA, Effi Cycle and Electromove. Department offers 43 courses focusing on Employability/ Enterprenuership, Skill Development along with 9 value added courses imparting transferable and Lifeskills, besides this department introduced 15 new courses also. Department has collaborated with 12 Industries/Institutions for internship and research projects. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|------------------------|---------------------|---|----------------|------------------|
| 1. | Dr Anjaiah Devineni | Professor & HoD | Non-traditional Machining | Karnataka | 35.4 |
| 2. | Prof Rajesh Solanki | Professor | CIM Engineering Systems | USA | 41.6 |
| 3. | Dr Ashish Malik | Associate Professor | Casting Simulation | France | 5.4 |
| 4. | Mr Satish Namdev | Assistant Professor | Laser Beam Machining | Madhya Pradesh | 12.1 |
| 5. | Mr Dharmesh Yadav | Assistant Professor | Industrial Design (Evaporative Emission) | Madhya Pradesh | 8.3 |
| 6. | Mr Upendra Kulshrestha | Assistant Professor | Thermal Engg. (CFD) | Rajasthan | 15.1 |
| 7. | Dr Ashu Yadav | Assistant Professor | Machine Design (CFD) | Haryana | 8.5 |
| 8. | Dr Dalip Singh | Assistant Professor | Prod. & Industrial System (Surface Coating) | Madhya Pradesh | 11.8 |
| 9. | Mr Rakesh Kumar | Assistant Professor | Prod.& Industrial System (EDM) | Madhya Pradesh | 9.8 |
| 10. | Mr Binay Kumar Rajak | Assistant Professor | Industrial Engineering (Study Leave) | Dehli | 5.8 |
| 11. | Mr Vinoth. R | Assistant Professor | I C Engines (Fuel Cells) | Tamil Nadu | 3.9 |

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|--------------------------|---------------------|-------------------------|-----------|------------------|
| 12. | Dr Avanish Singh Chauhan | Assistant Professor | New Product Development | Rajasthan | 0.9 |
| 13. | Dr Vinod Yadav | Assistant Professor | Lean Manufacturing | Rajasthan | 2.2 |
| 14. | Dr Niketa Jain | Assistant Professor | Reliability Engineering | Rajasthan | 1.7 |

Academics

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses |
|-------|--------------------------|----------------|
| 1 | Dr Anjaiah Devineni | 1 |
| 2 | Prof Rajesh Solanki | 2 |
| 3 | Dr Ashish Malik | 4 |
| 4 | Mr Satish Namdev | 4 |
| 5 | Mr Dharmesh Yadav | 4 |
| 6 | Mr Upendra Kulshrestha | 4 |
| 7 | Dr Ashu Yadav | 4 |
| 8 | Mr Dalip Singh | 4 |
| 9 | Mr Rakesh Kumar | 4 |
| 10 | Mr Binay Kumar Rajak | 2 |
| 11 | Mr Vinoth. R | 4 |
| 12 | Dr Avanish Singh Chauhan | 5 |
| 13 | Dr Vinod Yadav | 5 |
| 14 | Dr Niketa Jain | 4 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|---|---|------------------|------------------|
| 1. | Dr A K Goyal | Consultant, Arun Consultancy Services, Jaipur. Former Head of Supplier Quality Management. | Lecture | 25-26 July 2018 |
| 2 | Dr Yogesh Bhatেশwar | Faculty at Automotive Research Association of India (ARAI), Pune and Specialization: Automotive Electronics and Electric Vehicle. | Lecture | 01 November 2018 |
| 3. | Mr Nikhil Gupta (Alumnus, 2018) | Engineer at Anstaltfür Verbrennungskraftmaschinen List (AVL) and Alumnus of MUJ | Lecture | 14 November 2018 |
| 4 | Mr Abhinav Parashar Jha (Alumnus, 2018) | Production Engineer at Fiat Chrysler Automobili (FCA) at Pune plant and Alumnus of MUJ | Lecture | 14 November 2018 |
| 5 | Mr Parag Kavthekar | Regional Trainer at BOSCH Limited, Jaipur and Specialization in Engine Management System-Gasoline | Lecture | 13 March 2019 |
| 6 | Dr A K Goyal | Consultant, Arun Consultancy Services, Jaipur. Former Head of Supplier Quality Management. | Lecture | 26-29 March 2019 |
| 7 | Mr Ganesh Tanpure | Senior Analyst –Product Life Cycle Management, Boston Scientific, Gurugram. | Lecture | 30 March 2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|----------------------------------|---|------------------|
| 1. | Theory of Automotive Engine Lab | Cylinder Liner Removal Tool | 30000 |
| 2. | Automotive Electrical System Lab | Hybrid and electric system | 792140 |
| | | E-Bike | 60780 |
| | | E-Rikshaw | 98559 |
| | | Motor 3000W | 43082 |
| | | Li Battery Charger | 12657 |
| 3. | Automotive Workshop Lab | Motor cycle 1 | 3068 |
| | | Motor cycle 2 | 10024 |
| | | Anvil, spray gun, impact wrinch, tool kit | 44000 |
| | | Repeir kit, dent repair kit | 13500 |
| | | G.I. sheet | 10752 |
| | | Amaron Battery | 3800 |

Research Visibility

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 11 | 11 | 0 |

Seed Money/Endowment funds Granted by University

| Name of the Faculty | Title of Project | Seed Money Amount (INR) |
|---------------------|--|-------------------------|
| Mr Dharmesh Yadav | Development of Sealed Housing Evaporative Determination (SHED) facility to measure two wheeler refueling emissions | 297800 |



Workshop on Practical Aspects of Finite Element Analysis



BND SpeedFest Motorsports Conclave 2018



SAE Effcycle Competition at LPU, Chandigarh



Electromove Competition ESVC 19 at Chandigarh

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students

| S.No. | Title of the Innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/Research Scholar/Student |
|-------|--|--------------------------|---|---|
| 1 | Best Intern for Innovation and performance in Automotive electronic and electric vehicle design, SKNE Pune | Kunal Kothari | AE-EVD (Automotive Electronics & Electric Vehicle Design) | Student |
| 2 | Hero Electric Spirit Award for Electric Solar vehicle | Dr Ashish Malik and Team | ESVC(Electric Solar Vehicle Championship) | Teacher & Students |

Awards/Recognition Received from Government or Recognised Bodies

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------|---------------------|--|--|------------------|
| 1 | Dr Anjaiah Devineni | Recognition as Fellow | Institute of Oil & Gas Research and Hydrocarbon Studies, Nigeria | 25 May 2018 |
| 2 | Mr Vinoth R. | Award of Appreciation for Valuable Contributions in Reviewing Papers | Indo Universal Collaboration for Engineering Education (IUCEE) | 15 January 2018 |
| 3 | Mr Vinoth R. | International Engineering Educator Certificate Award | Indo Universal Collaboration for Engineering Education (IUCEE) | 16 December 2018 |

Industry Connect

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|-------|--|-------------------|--|
| 1 | Audi Service Center, Kamal Autotech, Pvt Ltd, Jaipur | Internship | Himanshu Gupta |
| 2 | BMW Service station, Jaipur | | Rishabh Sogani |
| 3 | Mahindra & Mahindra, Jaipur | | Nishit Yadav, Sunraj Bishnolia, Hiridik Sharma |
| 4 | Mahindra & Mahindra, Pune | | Rohit Paul, Shourya Sunil Mittal |
| 5 | Mercedes Benz, Pune | | Shivam Kohli |
| 6 | TATA Motors, Pune | | Ishan Phulwani |
| 7 | TATA Motors, Lucknow | | Akarsh Vedansh |
| 8 | Honda, Greater Noida | | Rajeev Tulsyani, Manik |
| 9 | Maruti Suzuki, Mansrovar /Gurugram | | Harpreet Singh Bedi, Kanwar Shaurya Veer Singh |
| 10 | Think and Learn, Bangalore | | Tejasvi Sharma |
| 11 | Ampere EVT/ EMF Innovation, Coimbatore | | Akshya Ravi Kumar Sureka, Rishabh Mehra, Prince Kumar Halve, Priyanshu Kumar |

Revenue Generated from Corporate Training by the Institution

| S.No. | Names of the Teacher-Consultant | Title of the Corporate Training programme | Agency seeking Training | Revenue generated (INR) | Number of Trainees |
|-------|---------------------------------|---|-------------------------|-------------------------|--------------------|
| 1. | Upendra Kulsrestha | Bosch Certification Program | MUJ-BOSCH | 52048 | 46 |
| 2. | Upendra Kulsrestha | Bosch Certification Program | MUJ-BOSCH | 20768 | 61 |

Student Engagement

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| Name of the Scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|---------------------------|---|--------------------------|
| TAM Pai Merit Scholarship | 3 | 3 |

Capability Enhancement and Development schemes

| S. No. | Name of the Capability Enhancement Scheme | Number of Students enrolled | Name of the Agencies Involved |
|--------|---|-----------------------------|---------------------------------------|
| 1. | Remedial Classes | 01 | Department |
| 2. | Bridge Courses | 02 | Coursera |
| 3 | Softskill Development | 01 | T &P Department |
| 4. | Career counselling | 24 | T &P Department |
| 5. | Softskill Development | 24 | Focus Academia for Career Enhancement |
| 6. | Career counselling for GRE/GMAT | 06 | Manya The Princeton Review |
| 7. | Career counselling for CAT/GMAT | 06 | Career Launcher |
| 9. | Career Orientation | 05 | T & P Department |

Placement of Outgoing Students

| No. of Students | Average Package Received (Lakhs) |
|-----------------|----------------------------------|
| 1 | 10 and above |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 1 | 0 | 9 | 0 | 0 |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 1 | 2 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|----------------|------------------|-------------------------|-------------|
| 1. | Anmol Sharma | 22 November 2019 | 15 | Lecture |
| 2. | 12 Alumni | 14 November 2019 | 20 | Meeting |
| 3. | 12 Alumni | 13 November 2019 | 22 | Meeting |

Internationalization

Details of the International/NRI students in the Department

| Name of the Student | Name of the University/college | Country of Origin |
|---------------------|--------------------------------|-------------------|
| Clement Bellier | CESI EcoleD'Ingenieurs | France |

Functional MoUs with institutions of National, International importance, other Universities, Industries, Corporate houses etc.

| S. No. | List the Activities under each MoU | Number of Students | No. of Teachers |
|--------|---|--------------------|-----------------|
| 1 | ESTACA (France) – MUJ MoU, Student & Scholar Exchange | 3 | 1 |
| 2 | CESI (France) – MUJ MoU, Student & Scholar Exchange | 1 | 0 |
| 3 | ESCORTS Ltd. (India) – MUJ MoU, Industrial Exposure to Students & Faculty, Internship opportunities | 3 | 0 |

Student Exchange: Incoming or Outgoing

| S. No. | Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|--------|---------------------------|--|-------------------|
| 1. | Parth Dawar | ESTACA France | Outgoing |
| 2. | Teerth Dipesh Kumar Patel | ESTACA France | Outgoing |
| 3 | Saideep Mahodaya Shetty | ESTACA France | Outgoing |
| 4 | Clement Bellier | CESI EcoleD'Ingenieurs | Incoming |

Faculty Engagement

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees (INR) |
|------------------------------|------------|------------|------------|
| 29 | 462559 | 3 | 3894 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|---|------------------------------|
| 1. | Anjanah Devineni | ET Auto Connected Vehicle Conclave 2018, Bangaluru | 26 October 2018 |
| 2. | Binay Kumar Rajak | National Workshop on "Statistical and Optimization Learning in Multidiplinary Arena" at Manipal University Jaipur | 25-29 June 2018 |
| 3. | Dalip Singh Shekhawat | National Symposuiam on Natural Language Processing and Artificial Intelligence' Organized (mechatronics MUJ) | 17-18 January 2019 |
| 4. | Dharmesh Yadav | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 5. | Rajesh Solanki | National Workshop on "E-Mobility of India : Concepts & Implecations" National Power Training Institute, Faridabad | 23 April2018 |
| 6. | Rajesh Solanki | Workshop on "Quality Initiatives in Technical & Higher Educational Institutions" by ESCI, Hyderabad | 20-22 August2018 |
| 7. | Satish Namdev | National Symposuiam on Natural Language Processing and Artificial Intelligence' Organized (Mechatronics MUJ) | 17-18 January 2019 |
| 8. | Satish Namdev | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 9. | Upendra Kulshrestha | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 10 | Upendra Kulshrestha | Workshop on Practical Aspects of Finite Element Analysis | 2-6 March 2019 |
| 11 | Vinoth R | Workshop on Practical Aspects of Finite Element Analysis | 2-6 March 2019 |

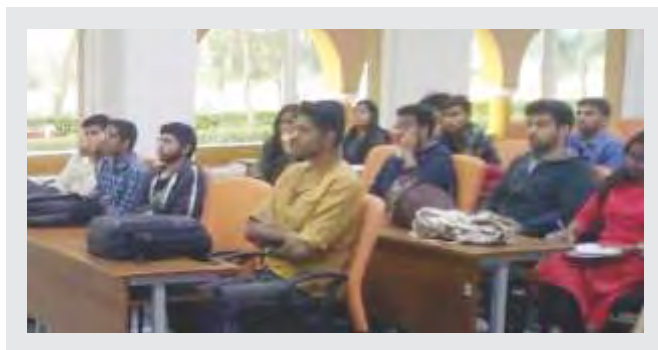
Outreach And Extension Activities

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|-----------------------|---|--|------------------|
| 1. | Rider Safety Event | RPM club | 15 | 17 January 2019 |
| 2. | Road Safety Event | RPM club | 74 | 2 October 2018 |
| 3. | Road Safety Programme | Jaipur transport department | 2 | 9 February 2019 |
| 4. | Road Safety Programme | Jaipur transport department | 5 | 25 January 2019 |



MoU with ESCORTS Group - R&D of Autonomous Tractor



Talk on Brakes & Tyres by RPM club Students



Demonstration of BMW transmission system



Expert lecture on Engine Management by Mr Parag Kavthekar



Road Safety and awareness event

Department of Mechanical Engineering

Programs:

1. B.Tech
2. M.Tech
3. PhD

About the Department: Department of Mechanical Engineering was established at the time of inception of Manipal University Jaipur in 2011 and offering B.Tech degree with an annual intake of 180. Department also offers M.Tech and Ph.D. programs in relevant areas of mechanical engineering. The objective of department is to impart quality education and to produce industry-ready engineers who can cater to the societal needs by providing technically and commercially viable solutions. Department is well equipped with highly qualified faculty and state-of-the-art laboratories in the areas viz. Manufacturing, Design, Thermal and Fluid, and Industrial Engineering. Department has three externally funded research laboratories such as Bionanocomposites

(BIONAC) lab, ENBIOMETRIC lab and NICOP lab in which students conduct cutting edge research in the development of nanomaterials for biomedical applications and coated materials for marine applications. The department also has a Multi-Scale Research Centre in which high end computing and simulation of complex systems can be carried out. Department has many clubs to motivate and keep students engaged in designing and developing models for various competitions. The students of the department are also involved in organizing social awareness programs in nearby villages. Department offers 62 courses focusing on Employability/Entrepreneurship and Skill Development along with 20 Value added courses imparting Transferable and Life skills besides this the department has introduced 17 new courses also. The department has MoU with six reputed manufacturing industries which provide opportunities to carry out student internships and research projects. The following are the details of the accomplishments and achievements of the department in the academic year 2018-19.

Faculty Members in Department and their Specialization:

| S No. | Name | Designation | Specialization | State | Experience (Yrs) |
|-------|---------------------------------|---------------------|--|---------------|------------------|
| 1 | Dr N N Sharma | Professor | Nanorobotics, Nano material reinforced Metals, Microfluidics, MEMS | Rajasthan | 24.5 |
| 2 | Dr Jagannath K | Professor | Thermal Engineering , Refrigeration and Air | Karnataka | 30.6 |
| 3 | Dr G L Sharma | Professor | Robotics, Condition Monitoring, Automation, Control System, Marine Engineering | Maharashtra | 33.0 |
| 4 | Dr Shiva Prasad H. C. | Professor | Industrial management, Ergonomics, Supply Chain | West Bengal | 25 |
| 5 | Dr. Rahul Goyal | Professor/HOD | Thermal Engg., Utilization of waste heat of IC Engine, Trigenation, Alternative Fluid in IC Engine | Rajasthan | 15.9 |
| 6 | Dr. Ravi Kant Gupta | Professor | Production, Industrial Engineering, Productivity | Uttar Pradesh | 19.7 |
| 7 | Dr S. S. Ghosh | Professor | Design, Gear Dynamics & Fatigue of Gear | West Bengal | 38 |
| 8 | Dr Ashok Kumar Sharma | Professor | Manufacturing & Maintenance, Productivity | Rajasthan | 20.7 |
| 9 | Dr Sanchita Bandyopadhyay Ghosh | Professor | Biomaterials and Bio-Nano composites | Canada | 15 |
| 10 | Dr Subrata B Ghosh | Professor | Biocomposites, Nanocomposites Materials | Canada | 15 |
| 11 | Dr Anand Pandey | Associate Professor | Advanced Machining, Materials and Manufacturing | Punjab | 13.5 |
| 12 | Dr Ravi Kumar Sharma | Associate Professor | Thermal Energy Storage Using phase change materials, CFD | Malaysia | 12 |
| 13 | Mr Lav Maheswari | Associate Professor | Material Science | Rajasthan | 10 |
| 14 | Dr Santosh Patil | Associate Professor | Contact & Solid Mechanics & CAD | Karnataka | 07 |
| 15 | Dr Ravi Kumar Gupta | Associate Professor | New product development, CAD/CAM, PLM | Rajasthan | 12.8 |

| S No. | Name | Designation | Specialization | State | Experience (Yrs) |
|-------|----------------------------|---------------------|---|--------------------|------------------|
| 16 | Dr Dhaneshwar Mishra | Associate Professor | Mechanics based Computational Modelling & Analysis | Korea | 12 |
| 17 | Mr Anurag Joshi | Assistant Professor | Production Engineering, Cold Rolling Mills | Rajasthan | 15 |
| 18 | Dr Shashi Bhushan | Assistant Professor | Bio Fluid Mechanics, Modelling & Simulation | Rajasthan | 10 |
| 19 | Mr Shyam Sunder Sharma | Assistant Professor | Automated Manufacturing System | Uttar Pradesh | 12 |
| 20 | Mr Vijay Shankar Kumawat | Assistant Professor | Ceramic Engg., Manufacturing , Biomaterials, Material Science | Rajasthan | 09 |
| 21 | Dr Ashish Goyal | Assistant Professor | Advanced Manufacturing , CAM | Rajasthan | 09 |
| 22 | Mr Ankur Srivastava | Assistant Professor | Heat Transfer, Thermodynamics, Fluid Mechanics | Rajasthan | 8.5 |
| 23 | Mr Hemant Raj Singh | Assistant Professor | Thermal, Energy | Rajasthan | 10.3 |
| 24 | Mr Ravindra Jhorar | Assistant Professor | Bio Fluid Mechanics, Industrial Engineering | Rajasthan | 6.3 |
| 25 | Mr Ashish Sharma | Assistant Professor | Computer Aided Design and Manufacturing | Jharkhand | 7 |
| 26 | Mr G.S.S. Adithya | Assistant Professor | Biomaterials , Material Science, Manufacturing | Jharkhand | 5.11 |
| 27 | Ms Pooja Singh | Assistant Professor | Thermal Sciences | Jharkhand | 5.3 |
| 28 | Mr Alok Kumar Ansu | Assistant Professor | Heat Transfer, Thermal Energy storage, PCMs, Biofluid Mechanics | Jharkhand | 5.3 |
| 29 | Mr Rakesh Kumar | Assistant Professor | CAD, CAM | Jharkhand | 6.3 |
| 30 | Mr Rahul Khatri | Assistant Professor | Renewable Energy, Solar Thermal Energy Conservation | Rajasthan | 6.3 |
| 31 | Mr Arpit Khandelwal | Assistant Professor | Design Engineering | Rajasthan | 5.3 |
| 32 | Dr Ashish Kumar Srivastava | Assistant Professor | Nano-composite | Rajasthan | 5.6 |
| 33 | Dr Vimal Kumar Pathak | Assistant Professor | Reverse Engg., Rapid Prototyping, Optimization | Rajasthan | 2.3 |
| 34 | Dr Mithilesh K. Dikshit | Assistant Professor | Manufacturing, Metal Cutting, Nanocomposites and Molecular Dynamics | West Bengal | 3.7 |
| 35 | Dr Ramanpreet Singh | Assistant Professor | Mechanism, Synthesis, Rehabilitation Robotics, Optimization | Rajasthan | 3 |
| 36 | Mr Sumit Taneja | Assistant Professor | Thermal Engineering | Chandigarh, Punjab | 10 |
| 37 | Dr Saurabh Dewangan | Assistant Professor | Material characterization, Manufacturing, Welding | Chhatisgarh | 4.3 |
| 38 | Dr Abhishek Sharma | Assistant Professor | Thermal | Odisha | 6.3 |
| 39 | Dr Anwesa Barman | Assistant Professor | Manufacturing | Assam | 0 |
| 40 | Mr Somenath Gorai | Assistant Professor | Thermal & Fluids Engineering | Jharkhand | 4.5 |
| 41 | Mr Krishnamurti Singh* | Assistant Professor | Design and Manufacturing | Rajasthan | 3 |
| 42 | Mr Rishi Choudhary* | Assistant Professor | Operation Research | Rajasthan | 5 |
| 43 | Mr Krashn Kumar Dwivedi* | Assistant Professor | Computer Aided Design & Manufacturing | Rajasthan | 4.5 |
| 44 | Ms Poonam Kumari* | Assistant Professor | Tribology | Jharkhand | 1 |

*Study Leave

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses |
|-------|--------------------------|----------------|
| 1. | Mr Anurag Joshi | 2 |
| 2. | Mr Ravindra Jhorar | 1 |
| 3. | Dr Mithilesh Kumar Dixit | 1 |
| 4. | Dr Dhaneshwar Mishra | 1 |
| 5. | Mr Vijay Shankar Kumawat | 1 |
| 6. | Mr GSS Adithya | 1 |



Inauguration of ICAMEN 2019



IMechE-MUJ organized a workshop on Synthesis of Mechanisms on March 2nd, 2019



Research Advancement in Production Engineering



DST Workshop on Welding



DST Workshop on Welding

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|---------------|-------------------------------------|---|-------------------------|----------------------|
| 1. | Dr Daing Mohamad Nafiz Bin | Head of Master Programme, Faculty of Engg., Universiti Malaysia Pahang | Expert Talk | 7-8 August 2018 |
| 2. | Dr Saiful Anwar Che | Head of Mechanical Programme, Faculty of Engg., Universiti Malaysia Pahang | Expert Talk | 7- 8 August 2018 |
| 3. | Dr Pawan Kumar G | Pandit Deendayal Petroleum University,Gandhinagar | Expert Talk | 4 September 2018 |
| 4. | Dr Kapil Gupta | Asso. Prof, Dept. of Mechanical and Industrial Engineering Technology at the University of Johannesburg | Expert Talk | 11 January 20 19 |
| 5. | Ms Sanjula Man Singh | Alumni of Manipal Academy of Higher Education (MAHE), Udupi, Karnataka | Expert Talk | 12 October 2018 |
| 6. | Dr Kaman Singh | Dean School for Physical Sciences, Baba Saheb Bhimrao Ambedkar Central University, Lucknow | Expert Talk | 3 October 2018 |
| 7. | Dr Manoj Kumar | Assistant Professor, LNMIIT Jaipur | Expert Talk | 23 January2019 |
| 8. | Dr Deepak Kumar | Assistant Professor, LNMIIT Jaipur | Expert Talk | 23 January2019 |
| 9. | Mr Anant Joshi | Associate Fellow, TERI (Delhi) | Expert Talk | 29 September 2018 |
| 10. | Mr Ravindra Singh Mr Suman kumar | Geeks of India, New Delhi | Expert Talk | 6-7 October2018 |
| 11. | Mr Ashu Gupta | Co-founder, Design2occupancy Services | Expert Talk | 31 October2018 |
| 12. | Mr Manujeet Singh | Deputy Manager, Mahindra & Mahindra, Jaipur | Expert Talk | 13 October 2018 |
| 13. | Mr Runit | Business Head, W. Diamant India P Ltd. | Expert Talk | 13 October 2018 |
| 14. | Dr Ranga Srinivas Gunti | Deputy GM , Mahindra and Mahindra, Chennai | Expert Talk | 19 November 2018 |
| 15. | Mr Ramesh Vabanagiri | Finite Element AnalysisAnalyst | Expert Talk | 14 November 2018 |
| 16. | Mr Vikram Gupta | Team Leader Jaipur Smart City Work | Expert Talk | 09 February2019 |
| 17. | Mr Srinivas Charmarthy | Managing Director CYME Automation | Expert Talk | 14 February2019 |
| 18. | Mr U.C. Agarwal | Head Global Talent Management, Secure Meters, Udaipur | Expert Talk | 22 January2019 |
| 19. | Mr Samar Bandhyopadhyay | Pukhraj Additive, Mumbai | Expert Talk | 21 January 2019 |
| 20. | Er. Ram Niwas Saran | Bosch Ltd., Jaipur | Expert Talk | 22 January 2019 |
| 21. | Er. Shireesh Tripathi | National Engineering Industries, Jaipur | Expert Talk | 23 January 2019 |
| 22. | Er. Vikas Soni | Jyoti CNC and Automation Ltd. | Expert Talk | 22 January 2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|-----------------------|---|------------------|
| 1. | CAD Lab | Microsoft HoloLens, Articulated robot | 700000 |
| 2. | Heat Transfer | Critical heat flux apparatus, Drop & film cond. Apparatus, Unsteady state heat transfer apparatus | 315000 |
| 3. | Foundry & Smithy Shop | Optical Pyrometer, Die casting system | 355000 |
| 4. | Machine Shop | Lathe tool dynamometer, Drill tool dynamometer, Tool tip measuring device | 120000 |
| 5. | CNC Lab | Impact hammer test set up | 100000 |
| 6. | RAC Lab | WTW heat pump trainer | 100000 |
| 7. | Welding Shop | Ultrasonic testing M/C | 250000 |
| 8. | Graphics Lab | Models and Cut sections etc. | 21000 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 27 | 24 | 06 |

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Chapter | National / International |
|--------|---------------------|--|--|--------------------------|
| 1. | Ravi Kumar Gupta | Step Toward Computer Aided Integration of Sheet Metal Applications | Step Toward Computer Aided Integration of Sheet Metal Applications | International |
| 2. | Anand Pandey | Modern Machining Processes | | International |
| 3. | Anand Pandey | Development of Coal Dust Reinforced Al - 5083 Metallic Composite | Development of Coal Dust Reinforced Al - 5083 Metallic Composite | International |
| 4. | Anand Pandey | Some Investigations on manufacturing of Mg and Al reinforced nano hybrid metal matrix Composites NHMMC | | International |
| 5. | Anand Pandey | Variants of EDM | Variants of EDM | International |
| 6. | Anand Pandey | Wear Testing of Al - 5083/ Lignite Coal Dust Metallic Composite | Wear Testing of Al - 5083/ Lignite Coal Dust Metallic Composite | International |

Seed Money/Endowment funds Granted by University

| Name of the Faculty | Title of Project | Seed Money Amount(INR) |
|---------------------|---|------------------------|
| Dr Ravi Kant Gupta | Tribological studies of aluminum alloy reinforced composite developed through stir casting route and to improve its mechanical and wear characteristics | 100000 |

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students

| S.No. | Title of the Innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/Research Scholar/Student |
|-------|---|---------------------|--|---|
| 1. | Aryabhata Award | Mr Sameer Mishra | Samarpan & bihar Disabled Sports Academy | Student |
| 2. | 3rd position in the National BBoeing aero modelling competition | Mr Subham Agnihotri | IIT Bombay | Student |

Awards/Recognition Received from Government or Recognised Bodies

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------|----------------------------|---|---|---------------|
| 1. | Dr Niti Nipun Sharma | Education Leadership Award | Certificate and due weightage in Annual Performance Measurement / Appraisal | 1 July 2019 |
| 2. | Dr Ashish Kumar Srivastava | Education Excellence Award for Research | Indian National Science Academy | 06 March 2019 |

Ph.D.s Awarded

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|-------------------------|------------------------|--|-------------------------------------|
| 1. | Rakesh kumar | Dr Anand Pandey | Experimental research into machining of difficult to machine using electrical discharge drilling process | 2014 |
| 2. | Ashish Sharma | Dr Dharmendra Tripathi | Thermally developed electromosis modulated physiological flows | 2016 |
| 3. | Ashu Yadav | Dr Dharmendra Tripathi | Peristatic transport of bio rehologicalfluida in presence of electric double layer phenomenon | 2015 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Llinkage | Name of the Participant |
|-------|--|---|--|
| 1 | University of Sheffield, UK | Research | Dr Sanchita Ghosh |
| 2 | University of New South Wales, Sydney, Australia | Research | Dr Sanchita Ghosh and Dr Subrata Ghosh |
| 3 | Raja Ramanna Centre for Advanced Technology, Indore, India | Research | Dr Sanchita Ghosh and Dr Subrata Ghosh |
| 4 | Ecolecentrale De nantes, France | Students, Faculty exchange and research | Dr Ravi Kumar Gupta |
| 5 | Ecolecentrale De nantes, France, Ozyegin University Istanbul, Turkey | Research | Dr Ravi Kumar Gupta |
| 6 | Veltech University , Chennai and Helwan University, Egypt | Research | Dr Ravi Kumar Gupta |



Industry Visit at The Akshaya Patra Foundation, Jaipur

Startups Incubated

| S.No. | Name of the start up | Nature of start up | Contact information of the promoters |
|-------|------------------------|--|---|
| 1. | CardL | Digitization of business cards to connect with professional peers in a convenient manner | VibhavGanamwar / A nanyaChitre vibhavg99@gmail.com 9130092604 |
| 2. | Four Leaves Technology | Designing Solar Robots for farmers & patrolling robots for military requirements | Ayush Mukherjee / Arnab Banerjee / InderneilKoul ishandutt569@gmail.com 9672551382 |
| 3. | U2U | Single window solution to MSME | ShreeshGawdishreeshgawdi123@gmail.com 9819539160 |
| 4. | ADAPT | Air Purifying device | AmanVirmani,Deepansh Yadav, Adivya, Prateek Virmani1996@gmail.com;Adivya30@gmail.com; Deepansh.yadav95@gmail .com9079633726, 7042520910 |
| 5. | Zero Gravity | New age of flying machines | ShubhamAgnihotrizerogravity.shubham@gmail.com 8078667094 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name Of The Scheme | No. Of Students Benefited By Non-Government Schemes | Total Number of Students |
|--------|--------------------------------|---|--------------------------|
| 1. | TMA Pai Merit Scholarship | 4 | 4 |
| 2. | Scholarship of Lateral Entry | 2 | 2 |
| 3. | Rajasthan Merit Scholarship | 3 | 3 |
| 4. | Scholarship of Higher Semester | 1 | 1 |
| 5. | Scholarship under Sports Quota | 1 | 1 |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1 | 12 | 0-3 |
| 2 | 12 | 4-6 |
| 3 | 10 | 6-9 |
| 4 | 10 | 10 and above |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|--------|
| GRE | TOEFL | IELTS | GATE | OTHERS |
| 23 | NIL | NIL | 6 | 15 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|--|---|
| 1. | Vishwa Poswal | GRE | University of Leeds UK | Master of Science in Advanced Mechanical Engineering |
| 2. | Abhinav Singh | CAT | IMT Ghaziabad | Master of Business Administration |
| 3. | Aditya Anirudh Bhattacharjee | GRE | Herbert Wertheim College of Engineering | Master of Science |
| 4. | Ajol Shah | GRE | Wayne State University | Master of Science in Mechanical Engineering |
| 5. | Akhileshsai | GRE | Sapienza University of Roma | MastersProgramme in Mechanical Engineering |
| 6. | Aman Nigam | GRE | Texas A&M University | Master of Engineering in Mechanical Engineering |
| 7. | Ambarishmanji | GATE | NIT Silchar | PhD |
| 8. | Ankur Barnawal | CAT | K.J. Somaiya Institute of Management Studies | PGDM |
| 9. | Ayushdobhal | GRE | Politecnico Di Milano | Master of Science |
| 10. | Chinmay Chopra | GRE | University of Windsor | MEng-Mech. Engg. Automotive (Master's Candidate (M2)) |
| 11. | Dak Garveet | GATE | National Institute of Construction Management and Research | Post Graduate Programme in Project Engineering and Management |
| 12. | Deepika Shekhawat | GATE | MNIT, Jaipur | PhD |
| 13. | Dhananjay Mukherjee | CAT | NMIMS Jaipur | MBA |
| 14. | Dheeraj Kumar Nagilla | GATE | Shri Mata Vaishno Devi University, | M. Tech. (Energy Systems) |
| 15. | Dhruv Bhatt | GRE | Cranfield University, Cranfield | MSc in Welding Engineering |
| 16. | Eeshit Pradeep | GMAT | James Cook University | Master of Business Administration |
| 17. | Gautami Sandeep Shah | GRE | University of Toronto, School of Graduate Studies, Toronto | MEng-Mechanical & Industrial Engineering |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|---|---|
| 18 | Harsh Bhagwati Rawat | CAT | Symbiosis Institute of International Business, Pune | MBA- International Business |
| 19 | Harsh Yadav | Exam | The Shipping Corporation of India, Maritime Training Institute, Mumbai | Graduate Marine Engineering |
| 20 | Kshitiz Pathak | GRE | Marshall University | MS- Engineering |
| 21 | Mihir Kale | GRE | Clemson University's Graduate School | MS program in Mechanical Engineering |
| 22 | Nakulgoneka | GRE | RWTH International Academy Germany | M.Sc. Production Systems Engineering (PSE) |
| 23 | Nikhil Patel | CAT | T. A. Pai Management Institute, Manipal (TAPMI) | Post Graduate Diploma in Management - Marketing and Sales Management (PGDM-MSM) |
| 24 | Nishant Chaudhary | GRE | Technische Universität München | Master of Science |
| 25 | PreritSinghal | CAT | Lal Bahadur Shastri Institute of Management, Delhi, Ph No: 011-25307700 | Post Graduation Diploma in Management |
| 26 | Robin Mathpal | GRE | University of Texas Arlington | Master of Science in Mechanical Engineering |
| 27 | Rohan Kiran Parai | GRE | Old Dominion University | PhD |
| 28 | Roul Coutinho | GRE | Technische Universität Berlin | Master of Science in Business Engineering Energy |
| 29 | Saksham Aggarwal | CAT | Institute of Management Technology, Ghaziabad | PGDM |
| 30 | Samar Gupta | GATE | RMIT University | Master of Engineering |
| 31 | Satyamev Ranjan | GRE | Audencia Business School | MSc. in Management Engineering |
| 32 | Saurabh Shinde | GRE | NC State University | Master of Science |
| 33 | Shantanu Shivam | CAT | Institute of Management Technology, Ghaziabad | PGDM |
| 34 | Shivaditya Rathi | CAT | IMT Ghaziabad | Master of Business Administration |
| 35 | Shrinath Santosh Diwakar | GRE | TU Delft, Delft University of Technology, The Netherlands | MSc, Master Mechanical Engineering |
| 36 | Shubham Aggarwal | CAT | Goa Institute of Management | PGDM |
| 37 | Shubham Verma | GRE | University Of Adelaide | Master of Engineering(Aerospace) |
| 38 | Siddhant Shrivastava | GRE | Arizona State University USA | Master of Science in Mechanical Engineering |
| 39 | Subbu Kannapan | GATE | Vellore Institute of Technology | Master of Technology(Automotive) |
| 40 | Uttara Dinesh Challakad | GRE | Technische Universität Berlin | Master of Science in Global Engineering |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|---|---------------------|
| 41 | Vaibhav Kumar Singh | XAT | Xavier Institute of Social Service, Ranchi, Jharkhand | PGDM, HRM |
| 42 | Vamsi Krishna | CAT | NITIE, Mumbai | PGDIM |
| 43 | Vineet Phatale | GRE | Rochester Institute of Technology | Master of Science |
| 44 | Yash Hundia | National Aviation Test | Flight Training Adelaide | Diploma In Aviation |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 2 | 4 |

| S.No. | Name of Alumni | Date of meeting | No. of Members Attended |
|-------|------------------|-----------------|-------------------------|
| 1 | Rajiv Sharma | 9 February 2019 | 45 |
| 2 | Devleena Samanta | 23 Novmber 2018 | 29 |
| 3 | Rahul Singh | 31 October 2018 | 35 |
| 4 | Susheem Kanwar | 1 November 2018 | 35 |
| 5 | Mayur Deo | 31 October 2018 | 35 |
| 6 | Jatin Sibbal | 31 October 2019 | 35 |

Awards/Recognition of Students

| S.No. | Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-------|------------------|---|------------------|
| 1. | Disha Agarwal | Second Position Advertisement Making in Biochrome | Cultural |
| 2. | Rohan Dubey | Silver medal Youth talent sports federation | Sports |
| 3. | Shraddha Pandey | Gold medal in Interuniversity boxing championship | Sports |
| 4. | Shweta Singh | Archery (Men) | Sports |
| 5. | Ankit Sharma | Taekwondo | Sports |
| 6. | Bhavya Desai | Table Tennis (Men) | Sports |
| 7. | Harshul Vashisht | Table Tennis (Men) | Sports |
| 8. | Prithvi Chauhan | Table Tennis (Men) | Sports |
| 9. | Kanishk Kumar | Table Tennis (Men) | Sports |
| 10. | Rajat Yadav | Wrestling (Men) | Sports |

INTERNATIONALIZATION

Details of the International/NRI students in the Department

| S. No. | Name of the Student | Name of the university/college | Country of Origin |
|--------|-------------------------|--------------------------------------|-------------------|
| 1. | Tobias Petry | Technical Univ., Munich | Germany |
| 2. | Witvisit Somboom | Rajamangala University of Technology | Thailand |
| 3. | Bilel Abdennadher | EcoleNationale De Tunis | Tunisia |
| 4. | Esra Canpolat | Istanbul Tech. Univ., Istanbul | Turkey |
| 5. | Seyfeddin Cekir | Istanbul Tech. Univ., Istanbul | Turkey |
| 6. | Fiona Baumhuer | University of Edinburgh | United Kingdom |
| 7. | Cem Ozer | Bilkent University | Turkey |
| 8. | Fellipe Mendes da silva | Faculdades De Capivari | Brazil |
| 9. | Basam Alnaabi | Sultan Qaboos University | Oman |

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| S. No. | List the Activities under each MoU | Number of Students/Teachers Participated under MoUs |
|--------|---|---|
| 1. | Conference and faculty exchange with UMP Malaysia | 3 |
| 2. | Lecture delivered - University of Johannesburg | 25 |
| 3. | Research Collaboration and Testing facility, HASTERI | 5 |
| 4. | Research Equipment utilization, Ants Ceramics Pvt. Ltd. | 5 |
| 5. | Student and faculty exchange, EcoleCentrale De Nantes, France | 2 |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 63 | 1809882 | 8 | 25933 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from-to) |
|-------|--|--|-----------------------------|
| 1. | Arpit Khandelwal | GIAN Micromechanics of Fracture Workshop at IIT Delhi | 2 -21 January 2019 |
| 2. | Rahul Khatri | GIAN Workshop On Solar Energy Technologies at MITS Gwalior | 25 February - 1 March 2019 |
| 3. | Garimella Subrahmanya Sreenivasa Adithya | International Symposium on Functional Materials 2018, Chandigarh | 13-15 April 2018 |
| 4. | Shashi Bhushan | National Symposium on Natural Language Processing and Artificial Intelligence Organized (Mechatronics MUJ) | 17-18 January 2019 |
| 5. | Ashish Goyal | National Symposium on Natural Language Processing and Artificial Intelligence Organized (Mechatronics MUJ) | 17-18 January 2019 |

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from-to) |
|-------|-------------------------------|---|-----------------------------|
| 6. | Rahul Khatri | National Symposium on Natural Language Processing and Artificial Intelligence Organized (Mechatronics MUJ) | 17-18 January 2019 |
| 7. | Sasanka Sekhar Ghosh | Participation in Masterclass on Experiment & Project based Learning in Engineering Education at JK Lakshmi Pat University, Jaipur | 11-12 January 2019 |
| 8. | Shashi Bhushan | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 19 |
| 9. | Ashish Goyal | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 19 |
| 10. | Vijay Shankar Kumawat | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 19 |
| 11. | Anand P andey | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 19 |
| 12. | Pooja Singh | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 19 |
| 13. | Alok Kumar Ansu | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 19 |
| 14. | Anurag Joshi | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 19 |
| 15. | Sanchita Bandyopadhyay Ghosh | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 20-22 September 2019 |
| 16. | Sasanka Sekhar Ghosh | Workshop at BITS, Pilani | 26 - 27 March 2018 |
| 17. | NitiNipun Sharma | Workshop on Flexible Electronics Technology (WFET), 2019 Pilani | 25 March 2019 |
| 18. | Shashi Bhushan | Workshop on Practical Aspects of Finite Element Analysis | 2-6 March 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|--------------------|---|--|------------------|
| 1. | Solar Water Heater | Gramiksha | 30 | 10 February 2019 |
| 2. | Career Counselling | Gramiksha | 30 | 17 February 2019 |

Department of Mechatronics Engineering

Programs:

1. B.Tech
2. PhD

About the Department:

Department of Mechatronics Engineering was established at Manipal University Jaipur in 2012 with an annual intake of 90. The aim of the department is to train the students in design and development of Mechatronic systems, Industrial automation and Robotics to cater various core disciplines of Engineering. Mechatronics is a

multidisciplinary field of engineering with an integrated curriculum designed to provide a broad-based education in the disciplines of electrical, electronics, computing, mechanical and control systems. Department offers 23 courses focusing on Employability/Entrepreneurship Skill development along with 6 value added courses imparting transferable and life skills. Department is partnered with 34 institutions/ industry for internships and research projects. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization:

| S No. | Name | Designation | Specialization | State | Experience (Yrs) |
|-------|---------------------------|------------------------|--|----------------|------------------|
| 1 | Dr Shahbaz Ahmed Siddiqui | HOD and Associate Prof | Power Systems | Rajasthan | 18.6 |
| 2 | Dr Ajay Kumar | Professor | Nano Electronics | Sikkim | 19.9 |
| 3 | Dr Manish Rawat | Assistant Prof | Industrial and Production Engg. | Madhya Pradesh | 5.3 |
| 4 | Mr Varun Jurwall | Assistant Prof | Manufacturing, Industrial Engineering | Rajasthan | 12.3 |
| 5 | Mr Hemant Kumar | Assistant Prof | Energy Engineering, Alternatives Fuels | Rajasthan | 8.9 |
| 6 | Mr Prabhat Ranjan | Assistant Prof | Density Functional Theory, Computational Nano material | Karnataka | 7.8 |
| 7 | Mr Kumar Gaurav | Assistant Prof | Water Quality, Chemo metrics | Rajasthan | 7.1 |
| 8 | Mr Ashok Kumar Kumawat | Assistant Prof | Control and Instrumentation | New Delhi | 4.9 |
| 9 | Mr Anil Sharma | Assistant Prof | Mechatronics, MEMS | Madhya Pradesh | 5.9 |
| 10 | Mr Mohit Jain | Assistant Prof | Hydropower Plant, Fluid Mechanics, IC Engine | Haryana | 6.0 |
| 11 | Ms Princy Randhawa | Assistant Prof | Control Systems, Instrumentation, Modeling Simulation | Karnataka | 5.3 |
| 12 | Mr Nikhil Shrivastava | Assistant Prof | Autotronics, Mechatronics | Madhya Pradesh | 6.3 |
| 13 | Mr Shambo Roy Choudhary | Assistant Prof | Robotics, Machine Learning | West Bengal | 6.5 |
| 14 | Dr Raja Raut | Assistant Prof | Robotics | Odisha | 2.9 |

ACADEMICS

Teachers using Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for Effective Teaching

| Name of Faculty | No. of Courses |
|--------------------|----------------|
| Ms Princy Randhawa | 2 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|------------------------|---|--------------------|---------------------|
| 1. | Mr Jaiveer Kashyap | CEO, OpenVision Pvt. Ltd. Gurgaon | Expert Lecture | 27 March 2019 |
| 2. | Prof Vijay Kumar Gupta | Professor, Department of Mechanical Engineering, IITDM Jabalpur | Workshop | 15 February 2019 |
| 3. | Prof Tanuja Sheorey, | Professor, Department of Mechanical Engineering, IITDM Jabalpur | Workshop | 15 February 2019 |
| 4. | Dr Akash Saxena | Head, Department of Electrical Engg. SKIT Jaipur | National Symposium | 17 January 2019 |
| 5. | Dr Rajiv Ratn Shah | Assistant Professor, Department of Computer Science and Engg. IIIT Delhi | National Symposium | 18 January 2019 |
| 6. | Dr Pawan Goyal | Assistant Professor, Department of Computer Science and Engg. IIT Kharagpur | National Symposium | 18 January 2019 |
| 7. | Prof Kapil Gupta | Associate Professor, Mechanical & Industrial Engineering University of Jhannesbar | Expert Talk | 11 January 2019 |
| 8. | Ramesh Vaban Giri | SEA Analyst Mechanical, Secure Meters, Udaipur | Expert lecture | 14 November 2018 |
| 9. | Mr Vijay Shanthagiri | CEO, Oeuvre Software Development Centre Bangalore | Workshop | 10 -14 October 2018 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|----------------------|-------------------------|------------------|
| 1. | PLC Lab | Consumable Items | 1957 |
| | | Maintenance Items | 6254 |
| 2. | MSD Lab | Consumable Items | 45937 |
| | | NI-Academic Site Licens | 610646 |
| 3. | Sensor & Control Lab | Consumables | 23046 |
| | | PLC S-7 1200 Instrument | 33293 |


Alumni Lecture & Interaction

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 5 | 7 | 8 |

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Chapter | National / International |
|--------|---------------------|---|---|--------------------------|
| 1. | Dr Prabhat Ranjan | Carbon Nanotubes and Nanoparticles Current and Potential Applications | A Review on the Computational Study of Carbon Nanotubes | International |
| 2. | Dr Prabhat Ranjan | Chemical Nanoscience and Nanotechnology: New Materials and Modern Technique | Structural, Electronic, and Optical Properties of Au _n Cu _n (λ= 0, ±1; n=1-8) Nanoalloy Clusters: A DFT Study | International |
| 3. | Dr Prabhat Ranjan | Theoretical and Quantum Chemistry at the Dawn of the 21st Century | The Study of Physico-Chemical Properties of Bimetallic CuAu _N (N=1-8) Nanoalloy Clusters | International |
| 4. | Dr Prabhat Ranjan | Chemical Sciences and Engineering Technology | Theoretical Computation of Periodic Descriptors Invoking Periodic Properties, | International |
| 5. | Dr Prabhat Ranjan | Applied Chemistry and Chemical Engineering, Vol. 4 | A Theoretical Study of Bimetallic CuAu _n (n=1-7) Nanoalloy Clusters Invoking Conceptual DFT Based Descriptors | International |
| 6. | Dr Prabhat Ranjan | Theoretical and Quantum Chemistry at the Dawn of the 21st Century | Theoretical Analysis: Electronic, Raman, Vibrational and Magnetic Properties of Cu _n Ag (n=1-12) Nanoalloy Clusters | International |
| 7. | Dr Prabhat Ranjan | InNovemberations in Physical Chemistry: Monograph Series - Physical Chemistry for Engineering and Applied Sciences, Vol. 4 | A Density Functional Study of Ag doped Cu Nanoalloy Clusters | International |
| 8. | Dr Prabhat Ranjan | InNovemberations in Physical Chemistry: Monograph Series - Methodologies and Applications for Analytical and Physical Chemistry, Vol. 3 | Computational Investigation of Au doped Ag Nanoalloy Clusters: A DFT Study | International |

Patents Published/Awarded

| Patent Title | Name of Inventor(s) | Grant/Published | Date of Published | Patent No. |
|---|-----------------------------|-----------------|-------------------|--------------|
| An Economical, Automated, Non -Invasive Device for Spinal Curvature Measurement | Anil Sharma Manish Rawat | Published | 5 April 2019 | 201911003426 |

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students

| Title of the Innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/Research Scholar/Student |
|--------------------------------|--|---|---|
| Smart Gardening, Ideathon-2019 | Archit Gupta, Monik Garg, Ananya, Jasmandeep Singh | Atal Innovation Mission by NITI AYOOG and MUJ | Students |



Workshop on Robotics



Workshop on Robotics

Ph.D.s Awarded

| Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the Scholar |
|-------------------------|---------------------|---|-------------------------------------|
| Prabhat Ranjan | Dr Ajay Kumar | Theoretical study of nanomaterials invoking density functional theory based descriptors | 2014-2018 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /R esearch lab | Nature of Llinkage | Name of the Participant |
|-------|---|--------------------|---|
| 1 | Cranfield University England, UK | Internship | Krishna Mohinani |
| 2 | Bharat heavy electrical Limited (BHEL) | | Yuvraj Singh |
| 3 | Omaxe Auto , Gurgaon | | Lalit Gupta, Nakul Yadav |
| 4 | NAL, Bangalore | | Abhinav G Singh |
| 5 | Britannia Shakur Basti, Delhi | | Manan Bathwal |
| 6 | College - Ajay Kumar Garg Engineering College Ghaziabad | | Amitoj Singh Battu |
| 7 | CSIR-CSIO, Chandigarh | | Shivam Jaiswal |
| 8 | Detect Technologies, Chennai Tamil Nadu | | Rohan gupta |
| 9 | Tata Motors , Jamshedpur | | Saket Kumar |
| 10 | Cron Systems Pvt. Ltd. Gurgaon | | Alankrit Mathur |
| 11 | Electronics Corporation of India, Hyderabad | | Pratap Reddy P |
| 12 | Fermidicius Labs Pvt. Ltd.Bangalore | | Anshul Sood |
| 13 | EMF InNovemberations,Coimbatore | | Sarfaraz Manjra, SudeepSawant |
| 14 | Gridbot Technologies , Gujarat | | Deepti Jobi, Maitreya Shastri |
| 15 | Goyal Transformer , Udyog Jaipur | | Abhay Aggarwal, Lakshit Tholia, Aman Aggarwal |
| 16 | Honda Cars India Pvt Ltd ' Bhiwadi Rajasthan | | Alankrit Mathur |
| 17 | IIT Powai, Bombay | | Naman Gupta |
| 18 | INDQ PvtLtd.Inkoolu Design Pvt. Lintied, Visakhapatnam, | | Vishwaanuj |
| 19 | Indus 3D Printers , Mumbai | | Namit Shetty |
| 20 | iSMRITI IIT Kanpur | | Aryan Rana |
| 21 | M.R.S bearings pvt. Ltd. , Pune | | Himanshu Jangid |
| 22 | Rajasthan Cylinders & Containers P.v.t L.t.d Jaipur | | Mohit Gupta |

| S.No. | Name of the partnering Institution/ Industry /R esearch lab | Nature of Llinkage | Name of the Participant |
|-------|---|--------------------|--------------------------------|
| 23 | Metx Robotics Mumbai | Internship | Nishit Lakhani |
| 24 | Microturner Plant 1, Rohtak Haryana | | Vaibhav Arora |
| 25 | Oeuvre India Pvt. Ltd. Bangalore | | Shubham jai |
| 26 | Ramtech Manufacturing Industries Industrial Park ,Hyderabad | | VaibhavArakala |
| 27 | Robert Bosch, Bangalore | | Adhiraaj Singh Solanki |
| 28 | Siemens, Chandigarh | | Ravjeet Gandhi |
| 29 | Smarter Homes Technologies, Banglore | | Mayank Sharma, Akshat Srivasta |
| 30 | SunbotsinNovemberationLLP, Ahmedabad | | Pratik Solanki |
| 31 | L& T, Mumbai | | ChinmayVirmani |
| 32 | Emerson Automation , Pune | | Arinjay Mohanty |
| 33 | Team Robotronicx Kolkata | | Ram Naresh Yadav |

Startups Incubated

| Name of the start up | Nature of start up | Contact information of the promoters | Funding |
|----------------------|--|--------------------------------------|---------|
| Gravity Box | Technical solutions to SME's for upgrading their technology and help them automate their industry, thus empowering their business. | shivam16oct1996@g mail.com | None |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| Name of the scheme | No. of Students Benefited by Non -Government Schemes | Total Number of Students |
|---|--|--------------------------|
| Scholarship for Students of Higher semester | 1 | 1 |

Capability Enhancement and Development Schemes

| S. No. | Name of the capability enhancement scheme | Number of students enrolled | Name of the Agencies Involved |
|--------|---|-----------------------------|-------------------------------|
| 1 | Softskill | 24 | Manipal University Jaipur |
| 2 | Remedial Classes | 3 | Manipal University Jaipur |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1 | 12 | 4-9 |
| 2 | 2 | 10 and above |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 3 | 2 | 2 | 0 | 0 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Cxam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|--|--------------------------------|
| 1. | Hanoz Patel | GRE | Northeastern University , USA | Engineering Management |
| 2. | Prateek Fadia | TOEFL | SRH Hochschule Berlin, Germany | Engg. & International Business |
| 3. | Chintapalli Lohit | IELTS | Arizona State University, USA | Manufacturing Engineering |
| 4. | Krut Mehta | GRE | Hoschule Rhein Waal University of Applied Science, Germany | Bionics/Biometrics |
| 5. | Akshat Sri vastava | GRE | University of Twente Netherland | Master Systems and Control |
| 6. | Ambikeya Pradhan | TOEFL | Aalto University, Finland | Autonomous System |
| 7. | Chintapalli Lohit | IELTS | Arizona State University,USA | Manufacturing Engineering |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 1 | 5 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|--|------------------|-------------------------|-------------|
| 1. | Priyanshu Goyal | 15 November 2018 | 20 | Interaction |
| 2. | Sayyam Papalkar, Pratik Fadia, Aniket Nandan | 28 November 2018 | 25 | Meeting |
| 3. | Shaurya, Rahul, Hriday Jain | 4 December 2018 | 9 | Meeting |
| 4. | Jaiveer Kashyap | 27 March 2019 | 35 | Lecture |
| 5. | Akshit Sethi | 11 June 20 19 | 8 | Meeting |
| 6. | Akshat Srivastav | 5 May 2019 | 9 | Meeting |

INTERNATIONALIZATION

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| List the Activities under each MoU | Number of Students participated | No. of Teachers participated |
|--|---------------------------------|------------------------------|
| Expert Talk by Dr Kapil Gupta, University of Johanesberg, S.A. | 44 | 16 |

Student Exchange: Incoming or Outgoing

| S. No. | Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|--------|---------------------|---|-------------------|
| 1. | Smarth Jain | Lodz University of Technology Poland | Outgoing (IASTE) |
| 2. | Shah Poojan | Tepe Betoan Yapi Malz San Ve Tic Turkey | Outgoing (IASTE) |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|------------------------------|-------------|------------|------------|
| 13 | 218610 | 3 | 12588 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from-to) |
|-------|-------------------------------|---|-----------------------------|
| 1 | Dr Manish Rawat | Short Term Course at BIET, Jhansi | 26-30 March 2019 |
| 2 | Mrs. Princy Randhawa | AICTE Sponsored two week FDP on Smart city and IOT in GIFT Bhubaneshwar | 17-29 June 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of Activity | Organising unit/ agency/ collaborating agency | Number of Dept. Students Participated in such activities | Date of Activity |
|-------|---------------------------------------|---|--|------------------|
| 1 | Women Menstruation Health and Hygiene | Govt. Girls College, Bagru | 41 | 4 February 2019 |
| 2 | Breast Cancer Awareness | Govt. Girls College, Bagru | 61 | 31 October 2018 |



Robotics Workshop



Five Days Workshop Conducted On Machine Learning on 10-14 October, 2018



Tea with President

School of Civil & Chemical Engineering (SCCE)

Established : 2014

Name of Dean : Dr Jagannath Korody

Name of Director : Dr Rakesh C. Gaur

About the School:

The School of Civil & Chemical Engineering (SCCE) is instituted with a well-defined vision of achieving international repute in education, training and research in the core and allied fields of Civil & Chemical Engineering. The school offers basic and advanced training programs to its students and exposes them to related research in

contemporary and futuristic technologies, by way of continual improvement and consistent innovation in material and intellectual infrastructure. In SCCE, we recognise the developing sustainable industrial requirements. We focus on advanced "smart" ways of technological applications, contributing to the socio economic growth of the nation, with seamless integration of diverse engineering facets of the industry. We aim to cultivate core competencies and keep our students abreast with basic & applied research.

Department of Civil Engineering

Programs:

1. B.Tech
2. M.Tech
3. PhD

About the School:

The Department of Civil Engineering was established in Manipal University Jaipur in 2011. The department aims to meet global changes in development, innovation and application of technology in the service of humanity. It offers a nationally recognised, Integrated Civil Engineering program that helps the students to meet these professional aspirations. The mission is to educate

individuals to become leaders of the profession. The undergraduate program showcases several disciplines within Civil Engineering and provides students with a sound and broad education that prepares them for professional practice. The Department offers 44 courses focusing on Employability/Entrepreneurship/Skill Development. It also offers 6 value added courses imparting transferable and life skills, besides the department has introduced 9 new courses also. The Department partnered with 36 Institutions/ Industry for projects and other Industry Linkages in previous academic year. Following are the detailed of accomplishments and achievement of the department in academic year 2018 – 2019.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|-------------------------|---------------------|----------------|----------------|------------------|
| 1 | Dr Keshaw Jee Sharma | Professor | Transportation | Bihar | 37.0 |
| 2. | Mr Alok Damare | Assistant Professor | Structural | Rajasthan | 5.9 |
| 3. | Mr Sourav Kumar Das | Assistant Professor | Structural | Orissa | 6.6 |
| 4. | Mr Firoz Alam Faroque | Assistant Professor | Structural | Madhya Pradesh | 4.6 |
| 5. | Mr Vikram Singh Kashyap | Assistant Professor | Structural | Rajasthan | 10.8 |
| 6. | Dr Meena Kumari | Associate Professor | Environment | Rajasthan | 11.1 |
| 7. | Dr Harshvardhana BG | Assistant Professor | Geology | Karnataka | 4.8 |
| 8. | Mr Raghuvesh Tiwari | Assistant Professor | Structural | Rajasthan | 8.2 |
| 9. | Mr Sagar Gupta | Assistant Professor | Transportation | Punjab | 4.8 |
| 10. | Mr Anil Dutt Vyas | Associate Professor | Environment | Rajasthan | 20.9 |

| S No | Name | Designation | Speci alization | State | Experience (Yrs) |
|------|-----------------------------|----------------------|---------------------------|-------------|------------------|
| 11. | Mr Sanchit Anand | Assistant Professor | Transportat ion | Rajasthan | 3.9 |
| 12. | Dr Monika Sogani | Associate Professor | Environment | Rajasthan | 13.9 |
| 13. | Dr Gaurav Sancheti | Associate Professor | Structural | Rajasthan | 9.1 |
| 14. | Dr Nitin Goyal | Associate Professor | Environment | Maharastra | 9.7 |
| 15. | Ms Priyansha Mehra | Assis tant Professor | Structural | Rajasthan | 5.4 |
| 16. | Mr Kamal Kumar | Assistant Professor | Structural | Germany | 4.8 |
| 17. | Ms Meghna Sharma | Assistant Professor | Geotechnical | Haryana | 4.7 |
| 18. | Mr Rudhra Halder | Assistant Professor | Structural | Tripura | 2.8 |
| 19. | Dr Arvind Kumar Jha | Associate Professor | Geotechnical | Karnatka | 6.8 |
| 20. | Dr Bhavna Tripathi | Associate Professor | Construction Management | Rajasthan | 19.2 |
| 21. | Dr Rakesh Chandra Gaur | Professor | Environment | Delhi | 39.0 |
| 22. | Dr Prabhas Kumar Yadav | Associate Professor | Environment | Germany | 8.8 |
| 23. | Mr Charanjeet Singh Tumrate | Assistant Professor | Structural | Karnatka | 6.4 |
| 24. | Dr Md Parwez Akhtar | Assistant Professor | Water Resourse Management | Uttarakhand | 23.9 |
| 25. | Dr Jitendra Singh Yadav | Assistant Professor | Geotechnical | Rajasthan | 6.5 |
| 26. | Dr Shaik Hussain | Assistant Professor | Structural | Rajasthan | 0.9 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses. |
|-------|-----------------------------|-----------------|
| 1. | Dr Keshaw Jee Sharma | 1 |
| 2. | Mr Alok Damare | 2 |
| 3. | Mr Sourav Kumar Das | 2 |
| 4. | Mr Firoz Alam Faroque | 1 |
| 5. | Mr Vikram Singh Kashyap | 1 |
| 6. | Dr Harshvardhana BG | 2 |
| 7. | Mr Raghuvesh Tiwari | 1 |
| 8. | Mr Sanchit Anand | 2 |
| 9. | Dr Gaurav Sancheti | 1 |
| 10. | Mr Kamal Kumar | 1 |
| 11. | Dr Arvind Kumar Jha | 2 |
| 12. | Mr Charanjeet Singh Tumrate | 1 |
| 13. | Dr Md Parwez Akhtar | 3 |
| 14. | Dr Jitendra Singh Yadav | 1 |
| 15. | Dr Shaik Hussain | 1 |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|------------------|---|------------------|---------------|
| 1. | Mr Ravi Sundaram | Founder and director, Cengrs Geo technica pvt ltd | Guest Lecture | 7 March2019 |
| 2 | Dr Anu Kumar | Research Scientist, CSIRO, Australia | Guest Lecture | 7 March2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|-------------------------|-----------------------|------------------|
| 1. | Material testing –I | 100 KN Servo UTM | 1900000 |
| 2. | Geotechnical Laboratory | STP instrument | 70000 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 4 | 4 | 2 |

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|------------------------|--|---|--------------------------|
| 1 | Arvind Kumar Jha | Geotechnics for transportation infrastructure | Lecture notes in Civil Engineering | National |
| 2 | Dr Meena Kumari Sharma | Emerging Issues in the Water Environment during Anthropocene: A South East Asian Perspective | Performance Appraisal of Filter-based Sanitation System for Onsite Treatment of Domestic Wastewater | International |

Seed Money/Endowment funds Granted by University

| S. No. | Name of the Faculty | Title of Project | Seed Money Amount (INR) |
|--------|-----------------------|--|-------------------------|
| 1 | Dr Priyansha Mehra | Use of zerocite as partial replacement of cement | 135000 |
| 2 | Dr Gaurav Sancheti | Strength and Durability studies of nanomaterial and marble dust induced cement in concrete | 100000 |
| 3 | Mr Firoz Alam Faroque | Structural component from ceramic waste | 100000 |

Research Grants/Projects from External Agencies

| S.No. | Project Name | Principal Investigator and Co-investigator | Funding Agencies | Type (Government /Non-Government) | Total Grant (INR) |
|-------|--|--|----------------------------------|-----------------------------------|-------------------|
| 1 | Performance of Low Cost Community based Onsite Sanitation System in Ambient Environment | Dr Meena Kumari | DST, Govt of Rajasthan | Government | 2100210 |
| 2 | Development of Ready-To-Use Assorted Sand for Construction Activities from Zinc Refining Wastes and Marble Powder. | Dr Bhavna Tripathi (PI) Dr Priyansha Mehra (Co-PI) | Ministry of Mines Govt. of India | Government | 4900550 |
| 3 | Case Study for Jaipur about Non sewerred sanitation & Fecal Sludge Management | Dr Monika Sogani | ADB Tokyo, Japan | Government | 300479 |

Awards/Recognition Received from Government or Recognised Bodies

| Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------------------------|---|----------------------|---------------|
| Dr Jitendra Singh Yadav | Award for Outstanding Contribution in Reviewing 'Construction and Building Materials' | Elsevier | 17 Aug 2018 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry/Research lab | Nature of Llinkage | Name of the Participant |
|-------|---|--------------------|-------------------------|
| 1. | Sangini Group | Internship | Ankur Balai |
| 2. | Horizon Infradesigns Pvt Ltd | | Animesh Agrawal |
| 3. | Ircon International Limited | | Rohit Shaurya |
| 4. | Public Works Department, Jaipur | | Kanishk Kumar |
| 5. | Jaipur Development Authority | | Yuvraj Singh Shekhawat |
| 6. | Indian Geotechnical Services | | Ishan Kumar |
| 7. | Tata Projects Limited | | Aditya Singh |
| 8. | Larsen & Toubro | | Rahul Lilani |
| 9. | Tcq Infrastructures | | Rahul Kumawat |
| 10. | Afcons Infrastructure Limited. | | Sidhant Choubey |
| 11. | Afcons Infrastructure Ltd | | Mansi Anil Vishwakarma |
| 12. | S-Tec | | Suyash Tripathi |
| 13. | G.R Construction Company | | Sushil Kumar Kumawat |
| 14. | Larsen & Toubro | | Dharma Teja |
| 15. | Malviya National Institute of Technology, Jaipur | | Kshitij Agarwal |
| 16. | Horizon Infradesigns Pvt Ltd | | Lalitesh Samariya |
| 17. | Kolte Patil Developers Limited | | Atharva Shah |
| 18. | Larsen And Toubro | | Gyanansh Garhwal |
| 19. | M.K. Creation | | Harsh Gaur |
| 20. | Afcons | | Aarsh Mangal Morwal |
| 21. | Simplex Infrastructures Limited | | Aakash Jain |
| 22. | Simplex Infrastructures Limited | | Abhishek Sharma |
| 23. | Swadeshi Civil Infrastructure Pvt Ltd | | Thakur Rajneesh |
| 24. | Swadeshi Civil Infrastructure Pvt Ltd | | Thakur Rajneesh |
| 25. | Pioneer Infra Consultants Pvt.Ltd. | | Taniya Paliwal |
| 26. | L.N. Malviya Infra Projects Pvt. Ltd. | | Aman Verma |
| 27. | M.K Creations | | Samarth Mehta |
| 28. | J.Kumar CRTG (JV) | | Nilesh Gupta |
| 29. | Northern Western Railways | | Ayush Singh |
| 30. | Jaipur Development Authority | | Tanuj Mathur |
| 31. | Scg International | | Prithvi Chauhan |



Rural Development & Awareness Outreach Programme



Rural Development & Awareness Outreach Programme

Revenue Generated from consultancy

| S.No. | Name of the consultant | Name of consultancy project | Consulting/Sponsoring agency with contact details | Amount (INR) |
|-------|------------------------|---|---|--------------|
| 1 | Prof A D Vyas | Adbi Project Civil Department | ADBI, Japan | 304789 |
| 2 | Dr Bhavna Tripathi | Aditya Industry (Bhavna Tripathi) | Jaipur, Rajasthan | 25430 |
| 3 | Dr Nitin Goyal | Air Pollution Source Apportionment Study For Vasco Da Gama, Goa | IIT Bombay, Mumbai | 90000 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|--|---|--------------------------|
| 1 | TMA Pai Merit Scholarship | 1 | 1 |
| 2 | Tuition fee Concession for MUJ Graduates | 1 | 1 |
| 3 | Scholarship for Students of Higher Semesters | 1 | 1 |
| 4 | Rajasthan Merit Scholarship | 1 | 1 |
| 5 | Scholarships for Lateral entry/transfer case | 1 | 1 |
| 6 | Fee waiver under Sport Quota | 1 | 1 |

Capability Enhancement and Development schemes

| Name of the capability enhancement scheme | Number of students enrolled | Name of the Agencies Involved |
|---|-----------------------------|-------------------------------|
| Two day Software Training on MX Road | 35 | Bentley Inc. |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 1 | 0-3 |
| 2. | 2 | 3-6 |
| 3 | 5 | 6-9 |
| 4. | 2 | 9 and above |

Students Progression to Higher Education/ Percentage of Students Qualifying in State/ National/ International Level Examinations (GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 1 | 1 | | 4 | 1 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Cxam | Name of Institution Joined | Name of programme |
|-------|--|--------------------------|----------------------------|-----------------------------------|
| 1 | Gaurav Swami | GATE | IIT Delhi | Master of Technology |
| 2 | Kislay Raja | GATE | Manipal University, Jaipur | Master of Technology |
| 3 | Maddhujeeet Chandra | GRE/TOEFL | DUKE UNIVERSITY | Master of Science |
| 4 | Naveen yadav | OTHERS | NIBMPUNE | Master of Business Administration |
| 5 | Ayush Singh | GATE | ISM DHANBAD | Master of Technology |
| 6 | Rupok Lyngdoh | GATE | NIT SILCHAR | Master of Technology |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 6 | 6 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|---------------------|----------------------|-------------------------|--|
| 1 | Mr Shubham Roy | 15 January 2019 | 25 | Gate Exam preparation |
| 2 | Mr Gaurav Swami | 4 September 2018 | 30 | Gate Exam preparation |
| 3 | Miss Sampada Pandey | 29 March 2019 | 21 | Gate Exam preparation |
| 4 | Mr Prashan Tiwari | 15 – 16 October 2018 | 24 | Gate Exam preparation |
| 5 | Mr Shubham Goyal | 18 February 2019 | 45 | IES exam preparation |
| 6 | Mr Amitesh Bhardwaj | 28 February 2019 | 40 | Government Policies in Environmental Engineering |

Awards/Recognition of Students

| S.No. | Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-------|----------------------|--|------------------|
| 1. | Bhawani Singh | Silver medal in All India Inter University American Football (M) Flag Tournament held at KIIT University Bhubaneswar from 22-27 Mar 2019 | Sports |
| 2. | Benathung Ezung | | Sports |
| 3. | Digvijay Singh Yadav | | Sports |
| 4. | Dipankar Pegu | | Sports |

INTERNATIONALIZATION

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| S.No. | List the Activities under each MoU | Number of Teachers Participated under MoUs | Number of Students Participated under MoUs |
|-------|---|--|--|
| 1. | Illinois state university collaborative research project | 1 | 1 |
| 2. | ICE WaRM Adelaide, South Australia colooborative research | 0 | 2 |
| 3. | The Commonwealth Scientific and Industrial Research Organisation (CSIRO) collaborative research | 1 | 0 |

Student Exchange: Incoming or Outgoing

| S. No. | Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|--------|---------------------|---|-------------------|
| 1. | Paul Junge | Hamburg University of Technology, Germany | Incoming |
| 2. | Ben Hamedou | Insat, Tunisia | Incoming |
| 3. | Katarzyna Kubala | Cracow University Of Technology, Polska | Incoming |
| 4. | Osama Hidmi | An Najah National University, Palestine | Incoming |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 26 | 313234 | 2 | 6004 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from-to) |
|-------|-------------------------------|---|------------------------------|
| 1. | Alok Damare | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" from February 25-March 01, 2019 at Manipal University Jaipur | 25 February-1 March 2019 |
| 2. | Dr Harshvardhan B G | Short Term Training Program at MNIT Jaipur | 31 January – 4 February 2019 |
| 3. | Firoz Alam Faroque | National Workshop on "Plagiarism, Research, Ethics and Patent (PREP-2018)" held at Manipal University Jaipur | 20-22 September 2018 |
| 4. | Md Parwez Akhtar | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" from February 25-March 01, 2019 at Manipal University Jaipur | 25 February-1 March 2019 |
| 5. | Raghuvesh Tiwari | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" from February 25-March 01, 2019 at Manipal University Jaipur | 25 February-1 March 2019 |



Awareness Programme on Rural Development

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|--|---|--|------------------|
| 1. | Rural Sanitation, Health and Hygiene | Bhartiya Skill Development University and NCC | 13 | 11 January 2019 |
| 2. | Awareness workshop on faecal sludge management at MNIT, Jaipur | Bill & Melinda gates foundation | 57 | 2 August 2018 |
| 3. | Awareness workshop on faecal sludge management at Poornima University, Jaipur | | 88 | 10 August 2018 |
| 4. | Awareness workshop on faecal sludge management at Rajasthan Technical University, Kota | | 95 | 2 August 2018 |
| 5. | Awareness workshop on faecal sludge management at IIT, Tripurati | Bill & Melinda gates foundation | 40 | 20 August 2018 |
| 6. | Awareness workshop on faecal sludge management at SRM, Tamil Nadu | Bill & Melinda gates foundation | 130 | 21 August 2018 |
| 7. | Wall Painting Activity | Civil Engineering Department, Manipal University Jaipur | 8 | 18 August 2018 |



Academic Block 1

Department of Chemical Engineering

Programs:

1. B.Tech
2. M.Tech
3. PhD

About the Department:

The Department of Chemical Engineering was established in 2014 at Manipal University Jaipur shortly after the university was founded. As one of the core branches, it boasts of a nascent but rich heritage. It was established by a team of highly qualified faculty members. It is a small but

dynamic family of accomplished professors, instructors, eager students and research scholars. It is an institution in itself serving as an incubator for passionate minds. The department offers 25 course focusing on Employability/ Enterpreneurship Skill Development along with 6 value added courses offered imparting transferable and lifeskills. The department partnered with 58 institutions/ industry for projects and other industry linkages, besides the department has introduced 7 new courses. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization:

| S No. | Name | Designation | Specialization | State/Country | Experience (Yrs) |
|-------|--------------------------|----------------------|---|-----------------|------------------|
| 1 | Dr Anand Gupta Chakinala | HOD & Associate Prof | Biofuels, Oxo process technology, Industrial waste water treatment, catalysis, Process design and development | The Netherlands | 12 |
| 2. | Dr Abhishek Sharma | Associate Prof | Waste valorization, Process design and development, Multi -scale modelling and reactive multi -phase Computational Fluid Dynamics (CFD) modelling | Australia | 8.5 |
| 3. | Dr Manisha Sharma | Assistant Prof | Process modeling and simulation, Separation technology, Water/Wstewater treatment, Reaction engineering | Rajasthan | 3.5 |
| 4. | Ir. Nandana Chakinala | Assistant Prof | Gasification, Fluidization, Process design, Bio - fuels | The Netherlands | 3.5 |
| 5. | Dr Anees Khan | Assistant Prof | Nanoporous and macroporous materials, Chemical and biosensors, Self assembled monolayers, Catalysis | Maharashtra | 5 |
| 6. | Dr Harsh Pandey | Assistant Prof | Photo -lithography, Soft -lithography, Deep Reactive Ion Etching, Profilometry, Microfluidics, DNA Electrophoresis, Molecular Dynamics | USA | 3 |
| 7. | Dr Gaurav Kataria | Assistant Prof | Process control, modeling and simulation, neural networks | Rajasthan | 2 |



One Day Workshop on Chemical Engineering



Eco Sense - MoU

ACADEMICS
Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and brief Profile of the Visitor | Purpose of Visit | Date of Visit |
|--------|---------------------|---|------------------|------------------|
| 1. | Mr Prasad Kokil | Managing Director, Ecosense Appliances Pvt. Ltd | Guest Lecture | 4 April 2019 |
| 2. | Maya Sharma | KU Leuven, Belgium | Guest Lecture | 17 January 2019 |
| 3. | Mr Ravindra Garg | Executive Director, Indian Oil Corporation Ltd, Rajasthan | Symposium | 29-30 March 2019 |
| 4. | Dr K. K. Pant | Professor, Chemical Engineering, IIT Delhi | Symposium | 29-30 March 2019 |
| 5. | Dr Sanjay Mahajani | Professor, Chemical Engineering, IIT Bombay | Symposium | 29-30 March 2019 |
| 6. | Dr Jyotirmay Mathur | Professor, Mechanical Engineering, MNIT Jaipur | Symposium | 29-30 March 2019 |
| 7. | Dr Suneel Pandey | Director, Environment & Waste Management, TERI, Delhi | Symposium | 29-30 March 2019 |
| 8. | Dr Jayant Sawant | Assistant Vice President, Praj Industries | Symposium | 29-30 March 2019 |
| 9. | Dr S.K. Puri | Chief General Manager, Bio-Energy, IOCL | Symposium | 29-30 March 2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|--------------------------------------|--------------------------|------------------|
| 1. | CRE Lab | Ultrasonic Probe Reactor | 250000 |
| | | UV Vis Spectrophotometer | 418000 |
| | | Tube Furnace | 250000 |
| | | Trickle Bed Reactor | 250000 |
| 2. | TP-III Lab | Hot Oil Circulation Bath | 80000 |
| 3. | Process Modelling and Simulation Lab | Aspen License Renewal | 140000 |

RESEARCH VISIBILITY
Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 5 | Nil | Nil |


IOCL Group Photo

Research Grants/Projects from external agencies

| S. No. | Project Name | Principal Investigator and Co-Investigator | Funding Agencies | Type (Government/ Non-Government) | Total Grant (INR) |
|--------|--|--|---|-----------------------------------|-------------------|
| 1. | Upgradation of tyre pyrolysis product into value added chemicals (Phase II) | Dr Abhishek Sharma | Shantol Green India Pvt. Ltd | Non-Government | 3740000 |
| 2. | High Internal phase emulsions as Templates for making water dispersible hollow Microspheres with Hydrophobic pore internals for prolonged release of fragrance molecules | Dr Anees Yunus Khan | Science & Engineering Research Board (SERB) | Government | 3100000 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /Research Lab | Nature of Linkage | Name of the Participant |
|-------|--|-----------------------------|--|
| 1. | Ecosense Appliances Pvt. Ltd | Research Collaboration | Mr Prasad Kokil and Dr Abhishek Sharma |
| 2. | Curtin University Malaysia | Research Collaboration | Dr Agus Saptoro and Dr Abhishek Sharma |
| 3. | IAESTE MUJ | Student Exchange (Incoming) | Sam Walter E Bergmans |

Revenue Generated from consultancy

| Name of the consultant | Name of consultancy project | Consulting/Sponsoring agency with contact details | Amount (INR) |
|------------------------|--|---|--------------|
| Abhishek Sharma | Value addition of the product of the company (Fuel Oil and Carbon Black) | Shantol Green India Rajasthan | 500000 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|---------------------------|---|--------------------------|
| TMA Pai Merit Scholarship | 4 | 4 |

Capability Enhancement and Development schemes

| S. No. | Name of the capability Enhancement Scheme | Number of students enrolled | Name of the agencies involved |
|--------|--|-----------------------------|---|
| 1. | Industry skill workshop | 30 | Honeywell and Yokogawa Janardhan Parthasarthy: 9960614902 |
| 2. | Career Counselling for Engineering students | 12 | T&P, MUJ. Mr Subhash Handa |
| 3. | Department series on Mentorship and Gate preparation | 6 | Chemical Engg. Dept, MUJ. (Dr Harsh Pandey 9793549975) |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 2 | 0-3 |
| 2. | 1 | 4-6 |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations (GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|---|--------------|--------------|-------------|--------------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| Nil | 1 | Nil | Nil | 1 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of programme |
|--------------|---|---------------------------------|------------------------------------|--------------------------------|
| 1. | Shruti Katti | TOEFL | Eindhoven University of Technology | Master in Chemical Engineering |
| 2. | Abhinav Shankar | OTHER | UPES University | MBA, oil and gas management |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|---|---|
| 3 | 1 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|--------------|------------------------|------------------------|--------------------------------|--------------------|
| 1. | Mr Subeer Pratap Singh | 12 November 2018 | 41 | Meeting |
| 2. | Mr Arjun Srivastava | 12 November 2018 | 41 | Interaction |
| 3. | Ms Suryani Mohile | 13 November 2018 | 9 | Meeting |

INTERNATIONALIZATION

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| S. No. | List the Activities under each MoU | Number of Students/Teachers Participated under MoUs |
|---------------|---|--|
| 1. | Ecochula awareness, Ecosense Appliances Pvt. Ltd | 8 |
| 2. | Curtin University Malaysia for research collaboration | 10 |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|-------------------------------------|-------------------|-------------------|------------------|
| 4 | 72800 | Nil | 18000 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|--------------|-------------------------|--|---|-------------------------|
| 1. | World Biofuel day | Indian Oil Corporation Ltd. | 60 | 10 Aug-2018 |
| 2. | Eco-chula awareness | Ecosense | 8 | 04 Apr-2019 |

School of Computing & Information Technology (SCIT)

Established : 2011

Name of Dean: Dr Jagannath K

Name of Director : Dr Rajveer Singh Shekhawat

About the School: The School of Computing and Information Technology (SCIT) at Manipal University Jaipur (MUJ) consisting of three departments offer UG programs in Computer Science & Engineering (CSE), Information Technology (IT), and Computer & Communication Engineering (CCE). The teaching and research work at the School is amply supported by a

number of core subject labs aided by industry standard commercial hardware and software platforms like Nvidia, Param Shavak Super Computer, Oracle, EMC², Microsoft Office-365 cloud, .Net, Azure etc. SCIT has collaborative programs for students and faculty, with many IT giants Dell, Microsoft, EMC², Oracle, Nvidia, Intel, TI, ARM, EC Council, etc. The School also provides ample opportunity and encouragement to its students to participate in various sports and other extra and co-curricular activities, to help them develop a well-balanced personality.

Department of Computer Science Engineering

Programs:

1. B.Tech
2. M.Tech
3. PhD

About the School:

The Department of Computer Science and Engineering, School of Computing & IT, FOE offers the BTech - Computer Science & Engineering, MTech - Computer Science & Engineering, MTech - Information Security & PhD Computer Science & Engineering. The department strives for stronger partnerships with industry, the research community, and other educational institutions. The Department is manned by 39 qualified faculties, many of

them having industrial exposure. It aims to become a Centre of excellence in providing in-depth technical knowledge and opportunities for innovation and research with state-of-art computer facilities. The aim of the department is to produce versatile students making them ready to be employed in industry/Government Sector/Higher Education/Research & Development/ Entrepreneurship from the day one and capable of cross disciplinary collaboration. The Department offers 10 courses focusing on Employability/ Entrepreneurship /Skill Development. The Department partnered with 33 Industries/ Institutions for projects and other industry linkages. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization

| S. No. | Name | Designation | Specialization | State | Experience (Yrs) |
|--------|---------------------|------------------------------------|--|----------------|------------------|
| 1. | Dr Rajveer Singh S | Professor | Networking | Rajasthan | 35 |
| 2. | Dr C.S.Lamba | Professor | Network Security, Information Security | Rajasthan | 19 |
| 3. | Dr Roheet Bhatnagar | Professor | Databases and related technologies, Software Engineering, Remote Sensing and GIS, Machine Learning | Sikkim | 22 |
| 4. | Dr Sandeep Joshi | HOD (from 1 July 2019) & Professor | Network and security | Rajasthan | 22 |
| 5. | Dr Umashankar Rawat | Professor | Distributed Systems, Cryptography | Madhya Pradesh | 18 |
| 6. | Dr Yogesh Gupta | Associate Prof | Information Retrieval, Machine Learning, Big data Analytics | Uttar Pradesh | 10.5 |
| 7. | Dr Sunita Singhal | Associate Prof | Cloud Computing, Machine Learning | Rajasthan | 14 |
| 8. | Dr Neha Chaudhary | Associate Prof | Software Testing, Machine learning | Uttar Pradesh | 11 |
| 9. | Dr Chhagan Lal | Associate Prof | Wireless Networks, and Blockchain technologies | Rajasthan | 07 |

| S. No | Name | Designation | Specialization | State | Experience (Yrs) |
|-------|---------------------------|----------------|--|----------------|------------------|
| 10. | Dr Santosh K. Vishwakarma | Associate Prof | Information Retrieval, Databases, Predictive Analysis | Rajasthan | 16 |
| 11. | Dr Sandeep Chaurasia | Associate Prof | Artificial Intelligence, Algorithms, NLP | Rajasthan | 11 |
| 12. | Dr Prakash Ramani | Associate Prof | Machine Learning, Algorithms | Rajasthan | 17 |
| 13. | Ms Bali Devi | Assistant Prof | Machine Learning, Big Data | Rajasthan | 03 |
| 14. | Mr Nitesh Pradhan | Assistant Prof | Machine Learning, Data Mining, Computer Vision | Madhya Pradesh | 04 |
| 15. | Mr Tarun Jain | Assistant Prof | Machine Learning, NLP | Delhi | 04 |
| 16. | Dr Dilbag Singh | Assistant Prof | Computer vision and Machine Learning | Punjab | 4.5 |
| 17. | Mr Rohit Verma | Assistant Prof | SOA, Networking, Cloud, Security | Karnataka | 03 |
| 18. | Mr Satyabrata Roy | Assistant Prof | Cryptography, Cellular Automata, IoT | Odisha | 08 |
| 19. | Mr Priyank Singh Hada | Assistant Prof | Big Data, Cloud Computing and Machine Learning | Rajasthan | 7.2 |
| 20. | Mr Harsh Kishore Mishra | Assistant Prof | Wireless Networks and Security | Punjab | 01 |
| 21. | Mr Manu Shrivastava | Assistant Prof | Reinforcement Learning and Machine Learning | Rajasthan | 06 |
| 22. | Dr Vijander Singh | Assistant Prof | Ad Hoc Networks, Machine Learning | Rajasthan | 13 |
| 23. | Mr Saket Acharya | Assistant Prof | Information Security, Data Analysis | Rajasthan | 03 |
| 24. | Mr Amit Kumar Bairwa | Assistant Prof | Linux, Networking, Security | Rajasthan | 14 |
| 25. | Mr Satpal Singh Kushwaha | Assistant Prof | Network & Security, Blockchain Technology | Rajasthan | 11 |
| 26. | Mr Harish Sharma | Assistant Prof | Machine Learning, Data Mining, Image Processing, NLP and Information Retrieval | Gujarat | 07 |
| 27. | Mr Manoj R | Assistant Prof | Cognitive Radio Network Security | Tamil Nadu | 12 |
| 28. | Dr Mahesh Jangid | Assistant Prof | Image Processing, Deep learning | Rajasthan | 10 |
| 29. | Dr Ashish Kumar | Assistant Prof | Data mining, machine learning, web development | Rajasthan | 11 |
| 30. | Jaya Krishna R | Assistant Prof | Social Network Analysis, Data Science and High performance Computing | Karnataka | 10 |
| 31. | Anita Shrotriya | Assistant Prof | Machine Learning | Rajasthan | 10 |
| 32. | Anjana Syamala | Assistant Prof | Computer Network | TamilNadu | 14 |
| 33. | Ankit Srivastava | Assistant Prof | Software Engineering | Madhya Pradesh | 13 |
| 34. | Arvind Kumar | Assistant Prof | Machine Learning | Rajasthan | 07 |
| 35. | Ashish Kumar Dadhich | Assistant Prof | Data Mining | Rajasthan | 10 |
| 36. | Shikha Mundra | Assistant Prof | Image Processing | Rajasthan | 06 |
| 37. | Vivek Kr. Sikarwar | Assistant Prof | Machine Learning | Utter Pradesh | 12 |
| 38. | Prashant Manuja | Assistant Prof | Network Security | Rajasthan | 04 |

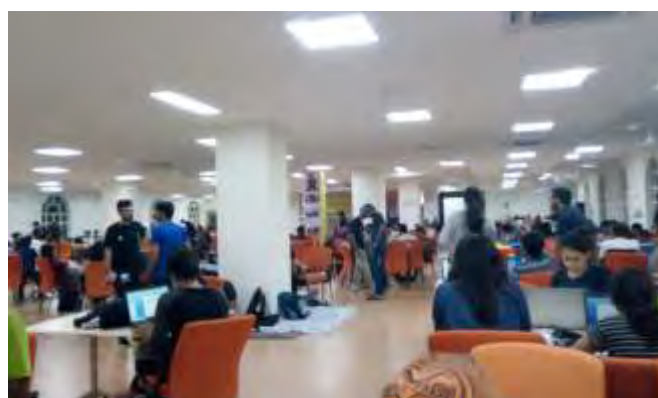
ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses |
|-------|-----------------------|----------------|
| 1. | Dr Rajveer Singh S | 2 |
| 2. | Dr C.S.Lamba | 2 |
| 3. | Dr Roheet Bhatnagar | 2 |
| 4. | Dr Sandeep Joshi | 2 |
| 5. | Dr Umashankar Rawat | 3 |
| 6. | Dr Yogesh Gupta | 3 |
| 7. | Dr Sunita Singhal | 3 |
| 8. | Dr Neha Chaudhary | 3 |
| 9. | Dr Chhagan Lal | 1 |
| 10. | Dr Sandeep Chaurasia | 3 |
| 11. | Dr Prakash Ramani | 2 |
| 12. | Mr Nit esh Pradhan | 3 |
| 13. | Mr Tarun Jain | 3 |
| 14. | Mr Satyabrata Roy | 3 |
| 15. | Mr Priyank Singh Hada | 3 |
| 16. | Mr Manu Shrivastava | 3 |
| 17. | Mr Saket Acharya | 4 |
| 18. | Mr Harish Sharma | 3 |
| 19. | Dr Mahesh Jangid | 3 |
| 20. | Dr Ashish Kumar | 3 |
| 21. | Jaya Krishna R | 3 |
| 22. | Anita Shrotriya | 3 |
| 23. | Ankit Srivastava | 3 |
| 24. | Ashish Kr Dadhich | 3 |
| 25. | Shikha Mundra | 3 |
| 26. | Prashant Manuja | 2 |



Expert Lecture by Prakash Kumar



Hackathon

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|----------------------------|--|---------------------------------------|--------------------------------|
| 1. | Mr Abhinav Das | Hexon Labs | Expert Session on Block Chain | 5 April 2018 |
| 2. | Mr Abhinav Das | Hexon Labs | Hacked the World Undone | 24 August 2018 |
| 3. | Mr Ashutosh Bhatiya | BITS Pilani | Flow & Error Control | 11 October 2018 |
| 4 | Mr Lalit Yagnik | IBM | Industrial and Social Transformation | 11 October 2018 |
| 5 | Dr Yashwardhan Sharma | BITS Pilani | Component based Software Engineering | 23 October 2018 |
| 6 | Dr Navneet Goyal | BITS Pilani | Machine Learning Techniques | 30 October 2018 |
| 7. | Dr Poonam Goyal | BITS Pilani | Data Mining | 30 October 2018 |
| 8 | Suarbh Bansal & Anuj Tyagi | Head of OSS Ericsson | Mobile Communication & its Generation | 21 November 2018 |
| 9 | Dr Nilanjan Dey | Techno India College of Technology , Udaipur | Medical Image Analysis | 14 January 2019 |
| 10 | Mr Naveen Kabra | ReliScore | Understanding BitCoin & Block Chain | 22 September 2018 |
| 11 | Prof Marcin | Poland | Research Area in IOT | 4 July 2018 |
| 12 | Mr Rajendera | Infosys | Restfull Services | 24 August 2018 |
| 13 | Mr Rajendra Singh | Infosys | Web Development | 1 September 2018 |
| 14 | Mr Naveen Kabra | Reliscore | Bitcoin and Block chain | 19 September 2018 |
| 15 | Mr Lalit Yalgnik | IBM | Augmented Virtual reality | 11 October 2018 |
| 16. | Mr Amit Jain | Metacubes | Salesforce | 13 October 2018 |
| 17 | Mr Safique Ahmad | New Product Introduction | Software Testing | 14 October 2018 |
| 18 | Mr Sourabh Bansal | Ericsson | Data Communication | 21 November 2018 |
| 19 | Mr U. C. Aggrawal | Secure Meter | Career Awareness | 2 January 2019 |
| 20 | Mr Nishant Goyal | BOT Mantra | Robotics Process Automation | 23 January 2019 |
| 21 | A Team of Forks Technology | Forks Technology | Machine Learning | 01 October - 30 November 2018 |
| 22 | Mr Akshay Saini | Paytm | Odyssey - Software Engineers Journey | 31 August 2018 |
| 23 | A Team of TechAxes | University-Industry Association | SAP-BASIS ERP | 01 November - 30 December 2018 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 23 | 31 | 10 |

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper/Book | National / International |
|--------|--|--|---|--------------------------|
| 1 | Dr Mahesh Jangid | Deep ConvNet with Different Stochastic Optimizations for Handwritten Devanagari Character | Deep ConvNet with Different Stochastic Optimizations for Handwritten Devanagari Character | International |
| 2 | Dr Mahesh Jangid | Real-Time Bottle Detection Using Histogram of Oriented Gradients | Real-Time Bottle Detection Using Histogram of Oriented Gradients | International |
| 3 | Mr Satyabrata Roy | Cyber Security/ Symmetric Key Encryption Technique: A Cellular Automata Based Approach | Proceedings of the Fourth International Conference on Engineering & MIS 2018 | International |
| 4 | Dr Umashankar Rawat | Chaotic Map for Securing Digital Content: A Progressive Visual Cryptography Approach | Proceedings of the Fourth International Conference on Engineering & MIS 2018 | International |
| 5 | Dr Roheet Bhatnagar | Unleashing Machine Learning onto Big Data: Issues, Challenges and Trends | Machine Learning Paradigms: Theory and Application | International |
| 6 | Jyoti Grover | Vehicular Cloud Computing for Traffic Management and Systems | Vehicular Fog Computing Paradigm: Scenarios and Applications | International |
| 7 | Dr Ashish Kumar | CORO-LABS: Complexity Reduction of Layered Approach in Codifying Business Solutions Using Tuxedo | Book of International Conference on Advanced Machine Learning Technologies and Applications | International |
| 8 | Dr Ashish Kumar, Dr Roheet Bhatnagar | Analysis of Online News Popularity and Bank Marketing Using ARSkNN | Book of Advances in Computer Communication and Computational Sciences | International |
| 9 | Nitish Yadav, Ashish Kumar, Roheet Bhatnagar | City Crime Mapping using Machine Learning Techniques | Book of International Conference on Advanced Machine Learning Technologies and Applications | International |
| 10 | Pandey, Dhiraj and U. S. Rawat | Chaotic Map for Securing Digital Content: A Progressive Visual Cryptography Approach. Cyber Security and Threats: Concepts, Methodologies, Tools, and Applications | Cyber Security and Threats: Concepts, Methodologies, Tools, and Applications | International |



Expert Lecture by Sartaj Shani

Research Grants/Projects from external agencies

| S. No. | Project Name | Principal Investigator and Co-investigator | Funding Agencies | Type (Government/ Non-Government) | Total Grant (INR)Lakh |
|--------|--------------------|--|-----------------------------|-----------------------------------|-----------------------|
| 1 | SAP / IT SKILL SET | Yashpal Soni, Rajveer Shekhawat, Prshant Singh, Narendra Yadav | Harbinger TechAxes Pvt Ltd. | Non Government | 410050 |
| 2 | SAP / IT SKILL SET | Yashpal Soni, Rajveer Shekhawat, Prshant Singh, Narendra Yadav | Harbinger TechAxes Pvt Ltd. | Non Government | 247800 |

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students

| S.No. | Title of the innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution /Teacher/Research Scholar/Student |
|-------|---|----------------------|--------------------------------|--|
| 1 | Smart India Hackathon | Ravibhushan Singh | Bug Hunters | Student |
| 2 | Prestigious IBM Hackathon at Bangaluru | Aniket Anil Wagde | IBM Hackathon at IIScBangaluru | Student |
| 3 | Smart India Hackathon | Saransh Gupta | Bug Hunters | Student |
| 4 | Rajasthan Hackathon | Sushant Bindra | Rajasthan Hackathon | Student |
| 5 | Rajasthan Hackathon | Vikas Kumar Ojha | Rajasthan Hackathon | Student |
| 6 | Digifest Quiz Competition | Pratik Kumar Jain | Digifest Bikaner | Student |
| 7 | Outstanding Student Volunteer Award | Amiteshwar | IEEE delhi section | Student |
| 8 | 2nd Rank in All India Research Championship | Anirudh Sai | TechieNest-IIT Bombay | Student |
| 9 | 2nd Rank in All India Research Championship | Nikhileshwar Nanduri | TechieNest-IIT Bombay | Student |
| 10 | 3rd Rank in All India Research Championship | Richank Dubey | TechieNest-IIT Bombay | Student |
| 11 | 4th Rank in All India Research Championship | Yashika Nandwani | TechieNest-IIT Bombay | Student |
| 12 | Smart India Hackathon- 2019 | Rijul Saxena | Bug Hunters | Student |
| 13 | Smart India Hackathon- 2019 | Sarthak verma | Bug Hunters | Student |
| 14 | Smart India Hackathon- 2019 | Shefali Miryabelli | Bug Hunters | Student |
| 15 | Smart India Hackathon- 2019 | Lokesh Dagar | Bug Hunters | Student |

Awards/Recognition Received from Government or Recognised Bodies

| Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|----------------------|-------------------------------|----------------------|---------------|
| Dr Sandeep Chaurasia | Senior Member of IEEE | IEEE | 2018 |



Sports @ CSE



Guest Lecture by Vishal Gupta

Ph.D.s Awarded

| S.No. | Name of the PhD scholar | Name of the Guide/s | Title of the thesis | Year of registration of the scholar |
|-------|--------------------------|---------------------|---|-------------------------------------|
| 1. | Pradeep Tiwari | Dr Sandeep Joshi | Effective load balancing in Cloud Computing using virtual machine migrations | 18 July 2014 |
| 2. | Ashish Kumar | Dr Roheet Bhatnagar | Design & Development of an efficient classification technique using mass estimation | 26 July 2013 |
| 3 | Dhiraj Pandey | Dr Sandeep Joshi | Secret sharing schemes using visual cryptography aspects: Analysis and improvements | 11 January 2012 |
| 4 | Pushpendra Singh Sisodia | Dr Sandeep Joshi | Analysis and future prediction of future urban sprawl for heritage city Jaipur | 4 May 2012 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|-------|--|-------------------|--|
| 1. | FDP on Business Usecases | Workshop | DELL Technologies |
| 2. | Manipal University Jaipur Hack | | ACM-MUJ Student Chapter |
| 3. | 5G and Software Define Networking | | Prof. Madhusudan |
| 4. | IOT - Exposing the hidden factory | | Sanjay Singh, IEEE Young Professional |
| 5. | Geospatial Technologies & their Applications | Symposium | Dr C P Singh, Scientist -SF, SAC, ISRO, Ahmadabad; Dr Abdul Zummerwala, BISAG, Ahmadabad; Mr Binay Kr. Singh, BISR, Jaipur |
| 6. | Robotics Process Automation | Industry Talk | Nishant Goyal, BOT Mantra |
| 7. | Career Awareness | | Mr U. C. Aggrawal, Secure Meter |
| 8. | Data Communication | | Mr Sourabh Bansal, Ericsson |
| 9. | Agile Software Development | | Mr Amit Agarwal, |
| 10. | Software Testing | | Mr Safique Ahmad, NPI |
| 11. | Augmented Virtual reality | | Mr Lalit Yalgnik, IBM |
| 12. | Microsoft Azure | Workshop | IEEE MUJ students |
| 13. | Project Proposals | | Secure Meters - UC Agarwal |
| 14. | Machine Learning | | TCS- Rajit Sikka, Jayanta Chaudhary |
| 15. | Bitcoin and Block chain | Industry Talk | Mr Naveen Kabra, Reliscore |
| 16. | Web Development | | Mr Rajendra Singh, Infosys |
| 17. | Introduction to R Programming and Matlab | Workshop | ACM-MUJ Student Chapter |
| 18. | Odyssey - Software Engineers Journey | Industry Talk | Akshay Saini, Paytm |
| 19. | Restfull Services | Industry Talk | Mr Rajendera, Infosys |
| 20. | Block Chain | Workshop | Dr Rajiv Mathur and Mr Niclas Wigstrom Chainvine, UK |
| 21. | Toople, Singapore | Invited Lecture | Mr Abhinav Das |
| 22. | AGT GOOGLE India | | Mr Gaurav Sharma |
| 23. | YES Bank | | Mr Utpal Chakraborty |
| 24. | Accenture Innovation | | Mr Subhajit Bhattacharya |

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|-------|--|-------------------|---|
| 25. | DELL | Invited Lecture | Mr Ravinder Pal Singh |
| 26. | Hexon Lab | | Mr Abhinav Das |
| 27. | Computer Society of India | | Dr Sartaj Sahani |
| 28. | Indian Space Research Organization | | Mr KK Mishra |
| 29. | Tech Axes | | Mr Hitesh Chaudhary, Sanjay Harpawat, Rajat Gupta |
| 30. | Celebal Technologie | | Mr Anupam Gupta |
| 31. | Celebal Technologie | | Mr Osheen Chavan and Mr Swaraj Singh |
| 32. | University of Missouri -Kansas City USA | MOU | Dr Rajveer Shekhawat |
| 33. | Florida International University, USA | | Dr Sandeep Chaurasia |

Startups Incubated

| S.No. | Name of the start up | Nature of Start up | Contact information of the promoters |
|-------|----------------------|------------------------------------|--------------------------------------|
| 1. | Transportation | Booking of cabs anywhere in Jaipur | transpocompany@gmail.com |
| 2. | BestPay | Online payment | rajdev1409@gmail.com |
| 3. | Eduscope | Quizzing software | lokeshdugarld@gmail.com |
| 4. | Merchit | Event management | akhil1998@gmail.com |

Revenue Generated from consultancy

| S.No. | Name of the consultant | Name of consultancy project | Consulting/Sponsoring agency with contact details | Amount (INR) |
|-------|---|--|---|--------------|
| 1. | Mr Yashpal Soni, Mr prashant Manuja, Dr Rajveer Singh Shekhawat | National Institute of Agricultural Marketing | NIAM: Ministry of Agriculture | 59000 |
| 2. | Mr Yashpal Soni, Mr prashant Manuja, Dr Rajveer Singh Shekhawat | Systems, Applications, Products in Data Processing | TECHAXES | 657000 |



IEEE Expert Lecture

Revenue Generated from Corporate Training by the Institution

| S.No. | Names of the Teacher-Consultant | Title of the Corporate Training programme | Agency seeking Training | Revenue generated (INR) | Number of Trainees |
|-------|---------------------------------|---|-------------------------------|-------------------------|--------------------|
| 1. | Yashpal Soni | Systems, Applications, Products in Data Processing Training | NIAM: Ministry of Agriculture | 50000 | 60 |
| 2 | Prashant Manuja | Systems, Applications, Products in Data Processing Training | NIAM: Ministry of Agriculture | 50000 | 60 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of students Benefited by Government Scheme | No. of students Benefited by Non-Government Scheme | Total Number of Students |
|--------|--|--|--|--------------------------|
| 1. | TMA Pai Merit Scholarships | NIL | 10 | 10 |
| 2 | TMA Pai Engineering Scholarship | NIL | 6 | 6 |
| 3 | Scholarship for the ward of Single mother | NIL | 2 | 2 |
| 4 | Fee Waiver/ Scholarships under Sports Quota | NIL | 2 | 2 |
| 5 | Scholarship for Lateral Entry (Diploma)/Transfer Cases | NIL | 1 | 1 |
| 6 | Rajasthan Merit Scholarships | 4 | NIL | 4 |
| 7 | Tuition Fee Concession for MUJ Graduates | NIL | 1 | 1 |
| 8 | Tuition Fee waiver off (staff) | NIL | 1 | 1 |
| 9 | Fee Waiver/ Scholarships under Sports Quota | NIL | 2 | 2 |
| 10 | Scholarship for student of Higher Semester | NIL | 2 | 2 |

Capability Enhancement and Development schemes

| Name of the capability enhancement scheme | Number of students enrolled | Name of the Agencies Involved |
|---|-----------------------------|-------------------------------|
| Soft Skill Program | 77 | Training and Placement Cell |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 1 | 0-3 |
| 2. | 143 | 3-6 |
| 3 | 36 | 6-9 |
| 4. | 1 | 10 and above |

Students Progression to Higher Education/ Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 15 | NIL | NIL | 1 | 2 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive exam | Name of Institution Joined | Name of programme |
|-------|--|--------------------------------|---|---|
| 1. | Shishir Tiwari | SMAT | International institute of sports management mumbai | Master of Sports Management |
| 2. | Gaurangi | GRE | Carnegie Mellon University | Master of Information systems and management |
| 3. | Akshit Gulhati | GRE | Newyork Institute of Technology | Masters of Science –MS, Computer Science |
| 4. | Bhardwaj Rashi | Training Employment Pass (TEP) | Nanyang Technological University (NTU) | NTU-India Connect Research Internship Programme |
| 5. | Karan Malhotra | GRE | University of Amsterdam, Netherlands | Master of Science in Artificial Intelligence |
| 6. | Sohi Sudhir | GRE | University of Amsterdam, Netherlands | Master of Science in Artificial Intelligence |
| 7. | Kanika Gera | GATE | Bits pilani- K K birla Goa Campus | Master of Engineering in Computer Science |
| 8. | Yash Choudhry | GRE | University of Maryland, | Master of Science in Telecommunication |
| 9. | Kopal Agrawal | GRE | Carnegie Mellon University, USA | Master of Science in Information security policy and management |
| 10. | Sonali Fotedar | GRE | Eindhoven University of Technology, Netherlands | Master of Science in Computer Science and engineering |
| 11. | Nikhil Dikshit | GRE | Pace University, Newyork city | Master of Science in Computer Science and information system |
| 12. | Priyanka Makhijani | GRE | Illinois institute of technology | Master of Science in Computer Science |
| 13. | Ajinkya Shrikant | GRE | The university of texas, dallas | Master of Science in Business Analytics |
| 14. | Disha Mehta | GRE | the state university of new york, Buffalo | Master of Science in Computer Science and engineering |
| 15. | Rajan | GRE | Callifornia state university, USA | Master of Science in Computer Science |
| 16. | Shikhar Chhabra | GRE | Northeastern University | Master of Professional studies in Analytics |
| 17. | Aneesh Kamat | GRE | University of texas, Dallas | Master of Science in Business Analytics |
| 18. | Shubhuam Bhardwaj | GRE | Arizona state university | Master of Science in Computer Science and engineering |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 3 | NIL |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|----------------|-----------------|-------------------------|-------------|
| 1. | Abhinav Das | 24Aug 2018 | 66 | Lecture |
| 2. | Akshay Saini | 31Aug 2018 | 55 | Lecture |
| 3. | Dhruv Sharma | 31 Mar 2018 | 50 | Lecture |

Awards/Recognition of Students

| S.No. | Name of Student | Name of the Award/ Medal | Sports/Cultural |
|-------|--------------------|---|-----------------|
| 1. | Aniket Mukherjee | Men's singles lawn tennis runner up | Sports |
| 2 | Anmol | AIU Volleyball participation certificate | Sports |
| 3 | Amit Dubey | Winner in LNMIIT (GOLD) and Runner up in ABHIVARTA (Silver medal) | Sports |
| 4 | Shefali Miryabelli | Abhivarta Lawn Tennis Girls Mixed Doubles Winner and Singles Runner's Up and LMNIIT sports fest Winner of Singles Lawn Tennis Girls | Sports |
| 5 | Pratyusha Karanam | Silver medal | Sports |
| 6 | Ravina Bagdi | Silver medal | Sports |
| 7 | Lakshya | All India inter University - second position | Sports |
| 8 | Sai Sampath K | Boxing (ABIVARTA19k) silver medal | Sports |

INTERNATIONALIZATION

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| S. No. | List the Activities under each MoU | Number of Students Participated under MoUs | Number of Teachers Participated under MoUs |
|--------|---|--|--|
| 1. | To conduct Certification Exam on Data Structures & Algorithms under a proctored environment. Codechef, Mumbai | 20 | NIL |
| 2 | Expert Lecture, Florida International University | 01 | NIL |
| 3 | SAP Skill development for faculty and students | 40 | 03 |
| 4 | Expert Lecture, University of Missouri Kansas City | 01 | NIL |

Student Exchange: Incoming or Outgoing

| S. No. | Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|--------|---------------------|--|-------------------|
| 1. | Karan Tyagi | The International Association for the Exchange of Students for Technical Experience | Outgoing |
| 2. | Bhardwaj Rashi | Nanyang Technological University, SingaporeAsst. Prof Erik Cambria | Student Exchange |
| 3 | Nimisha Garg | Nanyang Technological University, SingaporeAsst. Prof Erik Cambria | Student Exchange |
| 4 | Anirudh Trigunayat | CESi, FranceStephanie DUMORTIERHead of International Relations sdumortier@cesi.fr | Student Exchange |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 9 | 465000 | 8 | 36150 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who Attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|---|------------------------------|
| 1. | Dr Prakash Ramani | Systems, Ap plications, Products in Data Processing BASIS, TechAxes | 1-10 October 2018 |
| 2. | Dr Umashankar Rawat | 5G and Software Defined Networking | 16-18 January 2019 |
| 3 | Dr Ankit Shrivastava | Fdp On Data Science Using Python Programming | 17-21 November 2018 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of A ctivity | Organising unit/ agency/ collaborating agency | Number of Dept. Students participated in such activities | Date of Activity |
|-------|---|---|--|------------------|
| 1. | Pragyan 1.0 | Govt. Primary School, Begus | 28 | 19 December 2018 |
| 2. | Pragyan 2.0 | Govt. Primary School, Begus | 32 | 16 January 2019 |
| 3. | Pragyan 3.0 | Govt. Senior Secondary School, Begus | 27 | 14 February 2019 |
| 4. | Pragyan 4.0 | Govt. Primary School, Begus | 34 | 7 March 2019 |
| 5. | Interaction with Senior Secondary Students on the topic "Engineering as a Carrer" | Vidhya Bharti Public School, Sikar | 5 | 7 March 2019 |
| 6. | Interaction with Senior Secondary Students on the topic "Engineering as a Carrer" | Bhartiya Public School, Sikar | 5 | 9 March 2019 |



Hackathon Winner

Department of Information Technology

Programs:

1. B.Tech
2. M.Tech
3. PhD

About the School:

The Department of Information Technology was established at Manipal University Jaipur in 2012. It caters to the requirements of the students belongs to the branch of Information Technology discipline of the University. The department aims to become a center of excellence in providing in-depth technical knowledge and opportunities for innovation and research with state-of-the-art computer facilities and to produce versatile students making them ready to be employed and capable of cross disciplinary

collaboration in industry/government sector/higher education/research and development/entrepreneurship. The Department strives for stronger partnerships with industry pertaining to Networking/Warehouses/Big Data Analytics/Semiconductors etc., research communities like IEEE/CSI/ACM/NVIDIA and other educational institutions. The Department offers 25 courses focusing on Employability/Entrepreneurship/Skill Development. It also offers 4 value added courses imparting transferable and life skills, besides the department has introduced one new course also. The Department parthened with 106 institutions/ industry for projects and other industry linkages. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in the Department and their Specialization:

| S. No. | Name | Designation | Specialization | State | Experience (Yrs) |
|--------|---------------------------------------|-----------------|--|----------------|------------------|
| 1 | Dr Devi Prasad Sharma | Professor | High Performance Computing | Rajasthan | 18.2 |
| 2. | Dr Devesh Kumar Srivastava | Professor | Software Engineering, Big Data | Uttarakhand | 16.11 |
| 3. | Dr Pratistha Mathur | Professor | Digital Image Processing, Soft computing | Rajasthan | 20.6 |
| 4. | Dr Sumit Srivastava | Professor | Image Processing, Data Science | Rajasthan | 15.5 |
| 5. | Dr Akhilesh Kumar Sharma | Associate Prof | Data Mining, Web Analytics | Rajasthan | 15.9 |
| 6. | Dr Ashish Jain | Associate Prof | Evolutionary Computation and Cryptology | Madhya Pradesh | 12 |
| 7. | Dr Narendra Singh Yadav | Associate Prof | Network and Cyber Security | Rajasthan | 10.4 |
| 8. | Dr Pankaj Vyas | Associate Prof | Software Quality, Reliability and Testing | Rajasthan | 25 |
| 9. | Dr Sulabh Bansal | Associate Prof | Soft Computing Techniques | Uttar Pradesh | 17.9 |
| 10. | Dr Anju Yadav | Assistant Prof | Wireless sensor network, Computer graphics | Rajasthan | 3 |
| 11. | Dr Lokesh Sharma | Assistant Prof | Adhoc Networking & Mobile Networks | Rajasthan | 11.9 |
| 12. | Dr Sarada Prasad Gochhayat (On Leave) | Assistant Prof | Adhoc Networks | Karmataka | 5 |
| 13. | Dr Vivek Kumar Verma | Assistant Prof | Natural Language Processing & Image Processing | Rajasthan | 5 |
| 14. | Mr Ankit Mundra | Assistant Prof | Information Security, Networks, HPC | Rajasthan | 6.11 |
| 15. | Mr Anurag Bhatnagar | Assisntant Prof | Software Engineering | Rajasthan | 7 |

| S. No. | Name | Designation | Specialization | State | Experience (Yrs) |
|--------|----------------------------|----------------|--|---------------|------------------|
| 16. | Mr Krishna Kumar | Assistant Prof | Computer network, Routing Algorithm. | Rajasthan | 5.8 |
| 17. | Mr Rahul Saxena (On Leave) | Assistant Prof | High Performance Computing | Rajasthan | 3.8 |
| 18. | Mr Ravinder Kumar | Assistant Prof | Cloud Computing, Data Mining | Delhi | 3.8 |
| 19. | Mr Rohit Kumar Gupta | Assistant Prof | Computer network | Uttar Pradesh | 7 |
| 20. | Mr Shashank Sharma | Assistant Prof | Data Mining, Soft Engineering | Uttar Pradesh | 7 |
| 21. | Mr Venkatesh Gauri Shankar | Assistant Prof | Information Security, Data Science | Rajasthan | 9.6 |
| 22. | Mr Virender | Assistant Prof | Browser Vulnerabilities | Rajasthan | 5.8 |
| 23. | Mr Gaurav Aggarwal | Assistant Prof | Machine learning and speech processing | Haryana | 10.9 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses |
|-------|---|----------------|
| 1 | Dr Devi Prasad Sharma | 1 |
| 2. | Dr Devesh Kumar Srivastava | 1 |
| 3. | Dr Pratistha Mathur | 1 |
| 4. | Dr Sumit Srivastava | 1 |
| 5. | Dr Akhilesh Kumar Sharma | 1 |
| 6. | Dr Ashish Jain | 1 |
| 7. | Dr Narendra Singh Yadav | 1 |
| 8. | Dr Pankaj Vyas | 1 |
| 9. | Dr Sulabh Bansal | 1 |
| 10. | Dr Anju Yadav | 1 |
| 11. | Dr Lokesh Sharma | 1 |
| 12. | Dr Sarada Prasad Gochhayat (On Study Leave) | 1 |
| 13. | Dr Vivek Kumar Verma | 1 |
| 14. | Mr Ankit Mundra | 1 |
| 15. | Mr Anurag Bhatnagar | 1 |
| 16. | Mr Krishna Kumar | 1 |
| 17. | Mr Rahul Saxena (On Study Leave) | 1 |
| 18. | Mr Ravinder Kumar | 1 |
| 19. | Mr Rohit Kumar Gupta | 1 |
| 20. | Mr Shashank Sharma | 1 |
| 21. | Mr Venkatesh Gauri Shankar | 1 |
| 22. | Mr Virender | 1 |

| S.No. | Name of Faculty | No. of Courses |
|-------|---------------------------------|----------------|
| 23. | Mr Gaurav Aggarwal | 1 |
| 24. | Ms Bhavna Saini | 1 |
| 25. | Ms Ginika Mahajan | 1 |
| 26. | Ms Kavita | 1 |
| 27. | Ms Monika Jain (On Study Leave) | 1 |
| 28. | Ms Neha V Sharma | 1 |
| 29. | Ms. Vineeta Soni | 1 |
| 30. | Dr Prakash Chandra Sharma | 1 |
| 31. | Vijay Prakash Sharma | 1 |
| 32. | Dr Nripendra Narayan Das | 1 |
| 33. | Mr Devesh Choudhary | 1 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|---|---|---|----------------------|
| 1. | Mr Osheen Chavan and Mr Swaraj Singh | Microsoft | Cloud Computing and Machine Learning | 6-7 October 2018 |
| 2. | Mr Naveen Kabra | Reliscore | Understanding bitcoin and blockchain | 21 September 2018 |
| 3. | Dr Poonam Goyal | Birla Institute of Technology and Science, Pilani | Data Mining and recent scenarios | 30 October 2018 |
| 4. | Dr Navneet Goyal | Birla Institute of Technology and Science, Pilani | Machine Learning | 30 October 2018 |
| 5. | Mr Nishant Goyal | BOT mantra | Robotic process Automation | 23 January 2019 |
| 6. | Dr Rajeev Mathur and Mr Niclas wigstrom | Chainvine, UK | Blockchain Technology | 10 August 2018 |
| 7. | Dr Yashvardhan Sharma | Birla Institute of Technology and Science, Pilani | Component based software engineering | 23 October 2018 |
| 8. | Dr Virendra Singh shekhawat | Birla Institute of Technology and Science, Pilani | Computer Architecture | 29 October 2018 |
| 9. | Kamal Vaid | Infosys | Flutter, Development | 9-10 March 2019 |
| 10. | Forks Lab | Forks Lab | Android and Machine Learning | 17-18 September 2018 |
| 11. | Sanket Singh | Coding Blocks | Machine Learning | 11 March 2019 |
| 12. | Palash Verma | Cyberops | Cyberops - Cyber Security Talk | 2 February 2019 |
| 13. | Mr Ajey Mehta | HMD Global | Engineers role | 15 March 2019 |
| 14. | Dr R S Chipi, Dr G D Sharma | Maruti Telemedicine | Telemedicine | 26 March 2019 |
| 15. | Subhajit Bhattacharya | Accenture Innovations | Business Centric Technologies and Augmented Reality | 18-20 January 2019 |
| 16. | Utpal Chakraborty | Yes Bank | Perks of AI | 19 January 2019 |

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--------------------|--|--|-----------------|
| 17. | Ravinder Pal Singh | Dell | Digital disruption and the need for its successful and sustainable advancement | 20 January 2019 |
| 18. | Gaurav Sharma | Google | Search Engine Optimisation | 19 January 2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|--------------------|--------------------------------|------------------|
| 1. | CISCO Lab | Cisco Network Components | 600000 |
| 2. | Web Technology Lab | Lenovo Think Center PC-32 No's | 1000000 |
| 3. | ERP-SAP Lab | Lenovo Think Center PC-32 No's | 1000000 |

RESEARCH VISIBILITY
Journal/Conference/Book Chapter Publications

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 19 | 20 | 6 |

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|---|--|--|--------------------------|
| 1. | Vivek Kr. Verma and Tarun Jain | Feature Dimension Reduction for content-based image identification | Machine-Learning-based image feature selection | International |
| 2. | Neha V. Sharma and N.S. Yadav | Next Generation wireless communication meets machine learning | Machine learning in wireless communication : A survey | International |
| 3. | Monika Jain and Rahul Saxena | The stances of e-government: Policies, Processes and Technologies | An Era of smart Vehicle Ad Hoc Network for Intelligent Traffic Network Management | International |
| 4. | Rahul Saxena, Monika Jain and Siddharth Jaidka | The stances of e-government: Policies, Processes and Technologies | Building a smart and energy efficient world : an era of internet of things | International |
| 5. | Vivek Kr. Verma and Tarun Jain | Applications of image processing and soft computing systems in agriculture | Soft computing based approaches for plant leaf disease detection: machine learning based study | International |
| 6. | Arun Somani, Sumit Srivastava, Ankit Mundra, Sanyog Rawat | Smart Systmes Innovations and Computing (SSIC 2019) | BOOK (Smart systemes innovations and computing (SSIC 2019)) | International |



Dr Devesh Srivastava (Best ICT Researcher)



Mr. Venkatesh Gauri Shankar (Best Paper Award)

Seed Money/Endowment funds Granted by University

| S. No. | Name of the Faculty | Title of Project | Seed Money Amount(INR) |
|--------|---------------------|-------------------------------------|------------------------|
| 1. | Ankit Mundra | Smart Parking for the University | 850000 |
| 2. | Dr Lokesh Sharma | SDN: Attack vector & its mitigation | 100000 |
| 3. | Ms Monika Jain | Endowment fund for PhD. @ IIT Delhi | 200000 |

Research Grants/Projects from external agencies

| Project Name | Principal Investigator and Co-investigator | Funding Agencies | Type (Government/ Non-Government) | Total Grant (INR) |
|---|--|--|-----------------------------------|-------------------|
| Joint Image Compression and encryption for accuracy, reliability, and image quality in Telemedicine | Dr Pratishtha Mathur | Department of Science & Technology Rajasthan | Government | 573600 |

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students

| S.No. | Title of the innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/Research Scholar/Student |
|-------|--|-------------------------|---|---|
| 1. | Secure Meters Vikram Award | Aditya Shubham | Secure Meters | Student |
| 2. | 3rd Position in IEEE - Codephrenia | Mayank Goyal | IEEE Manipal University Jaipur | Student |
| 3. | Smart India Hackathon | Ayushi Raj Bhatt | National Institute of Technology Jamshedpur | Student |
| 4. | Red Hat Certified Specialist in Ansible Automation | Ayush Sharma | Red Hat, Inc. | Student |
| 5. | Best Delegate -MUJMUN | Suvansh Shukla | Manipal University Jaipur Model United Nation | Student |
| 6. | 1st Position in Hackathon by TOPCODER | Shashank Pandey | Association for Computing Machinery - ELICIT 2018 | Student |
| 7. | Secure Meters Vikram Award | Ankan Deogharia | Secure Meters | Student |
| 8. | Secure Meters Vikram Award | Ajay Bundela | Secure Meters | Student |
| 9. | Secure Meters Vikram Award | Anurag Chaturvedi | Secure Meters | Student |
| 10. | Best Paper Award | Venkatesh Gauri Shankar | International Conference on Data Management, Analytics & Innovation 2019 | Teachers |
| 11. | Letter of Award - Leading Research for track AI and Data Analytics | Venkatesh Gauri shankar | Springer | Teachers |
| 12. | Session Chair | Prof Pratistha Mathur | Second International Conference Smart IoT Systems: Innovations in Computing (SSIC) 2019 | Tea chers |

| S.No. | Title of the innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/Research Scholar/Student |
|-------|-------------------------|---------------------|---|---|
| 13 | Session Chair | Rahul Saxena | Springer, International Conference on Emerging Technologies in Data Mining and Information Security | Teachers |
| 14 | UGC NET | Rahul Saxena | National Eligibility Test | Teachers |
| 15 | Co-Convener | Ankit Mundra | Second International Conference Smart IoT Systems: Innovations in Computing (SSIC) 2019 | Teachers |
| 16 | Convener | Ankit Mundra | E-Conclave 2019 | Teachers |
| 17 | Publicity Chair | Rohit Kumar Gupta | SSIC-2019 | Teachers |
| 18 | Publication Chair | Vivek Kumar Verma | | Teachers |
| 19 | Session Chair | Dr Pankaj Vyas | | Teachers |
| 20 | | Ankit Mundra | | Teachers |
| 21 | | Vivek Kumar Verma | | Teachers |

Awards/Recognition Received from Government or Recognised Bodies

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award (Specify the dates) |
|-------|--------------------------|--|---|-----------------------------------|
| 1. | Venkatesh Gauri Shankar | Best Paper Award | The International Conference on Computer, Communication, and Signal Processing , Malaysia | 18 – 20January, 2019 |
| 2. | Venkate sh Gauri shankar | Leading Research for track AI and Data Analytics | The International Conference on Computer, Communication, and Signal Processing , Malaysia | 18 – 20 January, 2019 |
| 3. | Pratistha Mathur | Session Chair | Second International Conference Smart IoT Systems: Innovations in Computing (SSIC) 2019 | 18 – 20 January, 2019 |
| 4. | Rahul Saxena | Session Chair | | 18 – 20 January, 2019 |
| 5. | Rahul Saxena | University Grants Commission National Eligibility Test (UGC NET) | University Grants Commission, INDIA | 31 October, 2018 |
| 6. | Ankit Mundra | Co-Convener(SSIC -2019) | Second International Conference Smart IoT Systems: Innovations in Computing (SSIC) 2019 | 18 – 20January, 2019 |
| 7. | Ankit Mundra | Convener (National E - Summit) | Atal Incubation Centre & E -Cell | 18 – 20 January, 2019 |
| 8. | Rohit Kumar Gupta | Publicity Chair (SSIC2019) | Second International Conference Smart IoT Systems: Innovations in Computing (SSIC) 2019 | 18 – 20 January, 2019 |
| 9. | Vivek Kumar Verma | Publication Chair | | 18 – 20 January, 2019 |

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award (Specify the dates) |
|-------|-------------------|---|---|-----------------------------------|
| 10. | Dr Lokesh Sharma | Session Chair OWT Conference at MNIT Jaipur | International Conference on Optical and Wireless Technology OWT -2019 | 16 – 17 March, 2019 |
| 11. | Dr Lokesh Sharma | Session Chair in International Conference at JECRC Jaipur | Second International Conference on Information Technology and Digital Applications (ICITDA -2019) | 5 – 7 April, 2019 |
| 12. | Rohit Kumar Gupta | Session Chair SSIC (International Conference Springer) | Second International Conference Smart IoT Systems: Innovations in Computing (SSIC) 2019 | 18 – 20 January, 2019 |
| 13. | Ankit Mundra | Session Chair SSIC (International Conference Springer) | | 18 – 20 January, 2019 |
| 14. | Vivek Kumar Verma | Session Chair SSIC (International Conference Springer) | | 18 – 20 January, 2019 |

Ph.D.s Awarded

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|-------------------------|---|--|-------------------------------------|
| 1. | Vijay Kumar Sharma | Dr Devesh Kumar Srivastava, Dr Pratistha Mathur | Strengthening Wavelet Based Steganography Schemes to Transfer Secure Information | 2015 |
| 2. | Lokesh Sharma | Dr D P Sharma, Dr Chhagan Lal | Multi-Constraint based QoS Aware routing Protocols for multimedia services in manets | 2012 |
| 3. | Mahesh Jangid | Dr Sumit Srivastava | Enhancement in accuracy of offline handwritten Devanagari Character Recognition system | 2012 |
| 4. | Vivek Kumar Verma | Dr Sumit Srivastava | Automated Interpreter System for Indian Sign Language | 2014 |



Student's USA Visit

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|-------|--|-------------------|------------------------------|
| 1 | RapidOps Inc | Internship | Prashant Dineshkumar Jeswani |
| 2 | Planet Web Solutions Pvt. Ltd. | | Joy Jain |
| 3 | ATMECS Technologies | | Arunima Mishra |
| 4 | Value Labs | | Harshal Rajan |
| 5 | Ice Technology Lab | | Subho shree Mitra |
| 6 | ISS Software Development Centre Pvt. Ltd | | Swapnil Mitra |
| 7 | Merkle-Sokrati | | Suchi |
| 8 | Collegify | | Hriday Krishna Keyal |
| 9 | GreenDeck | | Arneesh Aima |
| 10. | IIT Patna | | Ankur Kumar Singh |
| 11 | IIRS-ISRO | | Awinash Singh |
| 12 | Center for Railway Information System | | Hardik Bhojwani |
| 13 | Edendale Training & Consultancy | | Deepesh Solanki |
| 14 | Nuronics Lab | | Damera Nikhil |
| 15 | Publicis | | Rajat Agrawal |
| 16 | Visuotech IT Services | | Tanuj Sharma |
| 17 | Stride.AI R&D Pvt. Ltd. | | Swarali Ghalwadkar |
| 18 | Value Labs | | Tanmay Shanker |
| 19 | Capgemini | | Vignesh Viswanathan Nambiar |
| 20 | MindTree Limited | | Geetika Mittal |
| 21 | Post Dot Technology Pvt. Ltd. | | Bharat Raj Mulchandani |
| 22 | Cadence Design Systems | | Lakshay Mathur |
| 23 | O9 Solution and Management India Pvt Ltd | | Gobind Singh |
| 24 | Wild Net Technologies, Noida | | Ishan Sharma |
| 25 | Centre for Development of Advanced Computing | | Jai Dosajh |
| 26 | Capgemini | | Ria Shree |
| 27 | India Accelerator | | Sachit Kapoor |
| 28 | Compro Technologies | | Krishna Gupta |
| 29 | Spring Role India Pvt Ltd. | | Kritika Mittal |
| 30 | Cardekho.com | | Lakshay Bajaj |
| 31 | Kiwis and Brownies Pvt. Ltd | | Shivam Anand |
| 32 | ZEPHYR LIMITED | | Shivangi Agarwal |
| 33 | DRDO | | Shreyasi Charu |
| 34 | EPHP Solution Software India Pvt Ltd | | Shrikumar Dalia |
| 35 | SHIVAM SERVICES | | Shubham Choubey |

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|-------|--|-------------------|-------------------------|
| 36 | Oracle Financial Services Software Ltd. Embassy Business Park C V Raman Nagar Bengaluru, Karnataka 560 093 | Internship | Lakshita Bhargava |
| 37. | Morning Blaze Pvt Ltd | | Savinay Shukla |
| 38. | TCS | | Sehaj Kukreja |
| 39. | Value labs | | Shaurya Purohit |
| 40. | Acpel | | Amogh Tandon |
| 41. | RPA Tech | | Mudit Bhatnagar |
| 42. | SysDi va Consultants Pvt. LTD, Noida | | Prateek Trikha |
| 43. | Soft Crayons8 | | Aashi Kapoor |
| 44. | IIT delhi | | Vedaanti Baliga |
| 45. | SupraITS | | Nishkarsh Gupta |
| 46. | L&T infotech | | Milind Maheshwari |
| 47. | AHOM Technologies pvt. Ltd. | | Abhijeet Singh |
| 48. | Value Labs | | Aditya Agarwal |
| 49. | Value Labs | | Vaishnavee Singh |
| 50. | Teksystems Global Services | | Vaishnavi Singh |
| 51. | Evolutionary Systems Pvt. Ltd Ahmedabad | | Vaibhav Uppal |
| 52. | Principal financial group Pune | | Varen Aggarwal |
| 53. | eInfochips | | Mukund Kumar |
| 54. | AdHoc Networks | | Harsh Balot |
| 55. | Accuracy | | Anamika Gupta |
| 56. | Capgemini Technologies | | Ishita Mittal |
| 57. | Nineleaps | | Ajay Bundela |
| 58. | Capgemini | | Meghna Arindam Sarkar |
| 59. | Ericsson | | Ashutosh Amogh Moghe |
| 60. | ECS Technologies | | Prajwal Satej Shinde |
| 61. | eInfochips | | Vishwajit Singh |
| 62. | Nuartin Labs Pvt Ltd | | Yeshwanth Kumar |
| 63. | Compro Technologies | | Sakshi Goel |
| 64. | Teksystems Global Services | | Vineet Sharma |
| 65. | E.Soft Technologies Limited Lucknow, Uttar Pradesh | | Samarth Kharbanda |
| 66. | Qlikmatrix | | Rupak Kumar Raghav |
| 67. | Hyper Reality Studio Pvt. Ltd. New Delhi | | Ranjeet Narvekar |
| 68. | Allied Blenders & Distillers Pvt. Ltd. | | Saamarth Rastogi |
| 69. | RNS Software Solutions Pvt. Ltd. | | Yash Vardhan Singh |
| 70. | Stride.AI R&D Pvt. Ltd. | | Aditya Ankur Yadav |

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|-------|--|-------------------|-------------------------|
| 71. | AAA Technologies Private Ltd, Mumbai | Internship | Tushar Ranjan |
| 72. | MITR learning and media | | Animesh Srivastava |
| 73. | Sapient | | Ankan Deogharia |
| 74. | Mirrorsize US Inc. | | Ankit Kumar |
| 75. | Capgemini | | Ashish Shukla |
| 76. | INSAID | | Ananta Arora |
| 77. | Celebal Technologies | | Shivang Ganjoo |
| 78. | Alphonic Network Solutions Pvt Ltd | | Varun Agarwal |
| 79. | I.G International Pvt Ltd | | Sarthak Kumar |
| 80. | Aquagreen Engineering Management Private Ltd. | | Syed Junaid Javed |
| 81. | Sokrati Merkle, Survey Pune, Maharashtra | | Sarthak Bhatnagar |
| 82. | E-Emphyasis, Mumbai | | Shikhar Singhal |
| 83. | Flynote (Clayo Technologies Pvt. Ltd.) , Bangalore | | Piyush Khandelwal |
| 84. | Secure Meters Limited | | Pragyan Kaushiley |
| 85. | EIH limited, Delhi | | Ashwin chopra |
| 86. | Celigo India Pvt. Ltd. | | Nishant Arora |
| 87. | IQRA Software Technologies Pvt Ltd | | Sankalp Srivastava |
| 88. | Metacube Software Pvt. Ltd (Project Inhouse) | | Anurag Chaturvedi |
| 89. | Project In -House | | Harsh Kakroo |
| 90. | MPower Softcomm Pvt. Ltd. | | Manish Agrawal |
| 91. | Analytics Quad4 | | Tanya Khanna |
| 92. | My operator | | Rishi Kumar Ambwani |
| 93. | Capgemini | | Palak Malhotra |
| 94. | Cotzero Energy Pvt Ltd (Project Inhouse) | | Ankit Deshmukh |
| 95. | Welspun | | Rakshanda Bhure |
| 96. | Mercer Mettl | | Mahak Chanana |
| 97. | Saama Technologies | | Devansh Singh |
| 98. | Dell Technologies, Hyderabad | | Twinkle Jaswani |
| 99. | Ericsson | | Vishal Anand |
| 100. | Noah Data | | Gagandeep Singh |
| 101. | TCS | | Varun Tiwari |
| 102. | RightCloud | | Naman Kumar |
| 103. | India Reads | | Tarun Verma |
| 104. | Healthkart | | Pragya Bardiya |
| 105. | Aneex Technologies | | Prajakt Rathi |
| 106. | Lakshya IT consultancies (LIT) | | Dhanush |

Startups Incubated

| S.No. | Name of the start up | Nature of start up | Contact information of the promoters |
|-------|----------------------|--------------------|--|
| 1. | Binderbug | Online | Nikita Bhatia – ECE Batch of 2019 Vashisth Bhushan – IT Batch of 2020, Akhil Gupta – CSE Batch of 2020 |
| 2. | Merchit | Online | Vashisth Bhushan IT Batch of 2020, Akhil Gupta (Business/App Dev/Vision) – CSE Batch of 2020 |
| 3. | Faraday Techniques | Online | Ronak Singh Oberoi/Zainaul |

Revenue Generated from consultancy

| S.No. | Name of the Consultant | Name of C onsultancy Project | Consulting/Sponsoring Agency with C ontact details | Amount (INR) |
|-------|------------------------|-------------------------------|--|--------------|
| 1. | Dr Narendra S. Yadav | Hrabinger Techaxes Pvt. Ltd. | C-106-D, Neeti Marg, Bajaj Nagar - 302015 | 247800 |
| 2. | | Hrabinger Techaxes Pvt. Ltd.s | C-106-D, Neeti Marg, Bajaj Nagar - 3020 15 | 410050 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|---|---|--------------------------|
| 1. | TMA Pai Scholarship | 7 | 7 |
| 2. | Rajasthan Merit Scholarships | 3 | 3 |
| 3. | Manipal University Jaipur Scholarships for students of Higher Semesters | 4 | 4 |
| 4. | Scholarships for Sports Persons | 2 | 2 |
| 5. | Scholarships for the wards of Single Mother | 1 | 1 |



Student's School Connect

Capability Enhancement and Development schemes

| S. No. | Name of the capability enhancement scheme | Number of students enrolled | Name of the Agencies involved |
|--------|---|-----------------------------|--------------------------------------|
| 1. | Competitive Programming | 110 | Manipal University Jaipur & Learn IT |
| 2. | Remedial Classes | 150 | Manipal University Jaipur & Learn IT |
| 3. | Skill Enhancement | 130 | Manipal University Jaipur & Learn IT |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 94 | 4-6 |
| 2. | 79 | 4-9 |
| 3. | 14 | 10 and above |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|-------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 5 | 2 | 3 | -Nil- | -Nil- |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Cxam | Name of Institution Joined | Name of programme |
|-------|--|--------------------------|--|--|
| 1. | Amir Patel | IELTS | University of LiverPool, United Kingdom | Master of Science Big Data and High Performance Computing |
| 2. | Sagar Rakesh Shukla | GRE | USC University of South California | Computer Science (Data Science) within the Andrew and Erna Viterbi School of Engineering |
| 3. | Prachi Gadiwan | GRE | University of Texas at Dallas | Master's in Information Technology and Management |
| 4. | Akshita Jaitely | GRE | University of Maryland | Master of Science in Information Systems |
| 5. | Saransh Grover | TOEFL | National University of Ireland, Galway Ireland | Bussiness / Data Analytics, Software and Web Development |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 1 | Nil |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|------------------|-----------------|-------------------------|-------------|
| 1. | Gayatri Khatwani | 3 Nov. 2018 | 145 | Lecture |

Awards/Recognition of Students

| S.No. | Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-------|------------------------|---|------------------|
| 1. | Manavjit Singh Dhindsa | Winner in discuss throw (boys) in Abhivarta 2019 | Sports |
| 2. | Kumar Kanishk | 2nd runner up in Badminton national level sports fest at KIET | Sports |
| 3. | Shreyansh Mehta | 1st prize in Bollywood quiz on Onrios 18 | Cultural |

INTERNATIONALIZATION

Functional MoUs with Institutions of National, International importance, other Universities, Industries, Corporate houses etc

| S. No. | List the Activities under each MoU | Number of Students/Teachers Participated under MoUs |
|--------|---|---|
| 1. | IOWA State University, USA | 2 Student |
| 2. | King Monguts University of Technology, North Bangkok, USA | 1 Teacher |

Student Exchange: Incoming or Outgoing

| S. No. | Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|--------|---------------------|---|-------------------|
| 1. | Shourya Purohit | IOWA State University, USA for PhD. | Outgoing |
| 2. | Rishabh Jain | Deakin University, Australia for Internship | Outgoing |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 41 | 881404 | 13 | 57360 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term Courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|--|------------------------------|
| 1. | Virender | Faculty Development Programme on "Data Science using Python Programming" Indore | 17 – 21 November 2018 |
| 2. | Ravinder Kumar | Faculty Development Programme on "Big Data Analytics and Machine Learning using Python" Dehradun | 24 – 28 December 2018 |
| 3. | Neha V Sharma | One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019" | 25 February–1 March 2019 |
| 4. | Krishna Kumar | Faculty Development Programme on "Big Data Analytics and Machine Learning using Python" Dehradun | 24 – 28 December 2018 |
| 5. | Kavita | One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019" | 25 February–1 March 2019 |
| 6. | Anurag Bhatnagar | Faculty Development Programme on "Big Data Analytics and Machine Learning using Python" Dehradun | 24 – 28 December 2018 |
| 7. | Anju Yadav | One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019" | 25 February–1 March 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|--|---|--|------------------|
| 1. | Mid Day Meal School Via Akshay Patra | Manipal University Jaipur -LearnIT and Akshay Patra | 30 | 11 March 2019 |
| 2. | Swachh Bharat Abhiyan through Akshay Patra and Hingonia Gaushala | | 26 | 29 March 2019 |

Department of Computer & Communication Engineering

Programs:

1. B.Tech
2. PhD

About the Department: The Department of Computer & Communication Engineering (CCE) at Manipal University Jaipur marked its commencement in 2015. The goal of the department is to integrate computer and communication, which includes concepts and practices of software and hardware of computers, information networks, wireless communication systems etc. The Department of CCE offers one of the most comprehensive instructional programs enhanced with research in its emerging fields. Research at the department addresses

issues across the spectrum of Computer as well as Communication engineering systems Some of the key areas include Machine Learning, Internet of Things (IoT), Web Technologies, Advance Computer Networking, Information Security, Wireless Communication, Network on Chip (NoC), Software Testing, Computer Architecture and Embedded Systems Department of CCE offers 14 courses with focus on Employability/ Enterpreneurship/ Skill Development and 4 value added courses, besides the department introduced 16 new courses also. The Department partnered with 47 institutions/ industry for projects and other industry linkages. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|----------------------------------|---------------------|---|------------------|------------------|
| 1 | Dr V. S. Dhaka | HOD & Professor | Machine Learning, AI, RDBMS, Web Technologies | Uttar Pradesh | 15 |
| 2 | Dr Anshuman Kalla | Associate Professor | Computer Network and Communication | Rajasthan | 10.9 |
| 3 | Dr Arjun Singh | Associate Professor | Computer Networks, Mobile Grid Computing | Rajasthan | 14 |
| 4 | Dr Arvind Dhaka | Assistant Professor | Wireless Network & IP Communication | Himachal Pradesh | 7.8 |
| 5 | Dr Deepak Sinwar | Assistant Professor | Data Mining, Machine Learning | Rajasthan | 5.5 |
| 6 | Dr Geeta Rani | Assistant Professor | Machine Learning, Web Profiling | Delhi | 10 |
| 7 | Dr Ghanshyam Raghuwanshi | Assistant Professor | Image Processing, Object Oriented Programming, Operating System, Mobile Computing | Madhya Pradesh | 6.5 |
| 8 | Dr Gulrej Ahmed | Associate Professor | Wireless Sensor | Madhya Pradesh | 17 |
| 9 | Dr Hemlata Goyal | Assistant Professor | Geospatial Analytics, Machine Learning | Rajasthan | 14.5 |
| 10 | Dr K. Muthukumaran | Assistant Professor | Software Engineering | Rajasthan | 5 |
| 11 | Dr Kusum Lata Jain | Assistant Professor | Sensor Network | Rajasthan | 10.5 |
| 12 | Dr Manoj Kumar | Associate Professor | Data Structure, NOC, Embedded System | Rajasthan | 14.5 |
| 13 | Dr Manoj Kumar Sharma | Associate Professor | AI, ML, Cryptography | Rajasthan | 14 |
| 14 | Dr Naina Narang (on Study Leave) | Assistant Professor | Sensor Network | Delhi | 3 |
| 15 | Dr Punit Gupta | Associate Professor | Cloud, IOT | Madhya Pradesh | 7 |
| 16 | Dr Rahul Dixit | Assistant Professor | Image Processing | Uttar Pradesh | 4 |
| 17 | Dr Sanjeet Kumar Nayak | Assistant Professor | Network Security | Rajasthan | 2 |

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|-------------------------------------|---------------------|---|----------------|------------------|
| 18 | Dr Shivani Gupta | Assistant Professor | Machine Learning, Software Detection Prediction | Madhya Pradesh | 6 |
| 19 | Dr Sunil Kumar | Associate Professor | Pattern Recognition | Rajasthan | 16 |
| 20 | Dr Amita Nandal | Associate Professor | Image Processing, Circuits, wireless and mobile computing | Tamil Nadu | 10.5 |
| 21 | Dr Vijay Kumar Sharma | Assistant Professor | Microprocessor, Digital ,Image Processing, Information Security | Rajasthan | 10 |
| 22 | Dr Vaishali Yadav | Assistant Professor | Optimization, Computational | Haryana | 10 |
| 23 | Dr Manjit Kaur | Assistant Professor | Cryptography | Punjab | 4 |
| 24 | Mr Vidyadhar J Ask (On Leave) | Assistant Professor | Internet of Things | France | 4 |
| 25. | Mr Pragnesh Thaker (On Study Leave) | Assistant Professor | Data Structure sand Algorithms | Karnataka | 6 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.)

| S.No. | Name of Faculty | No. of Courses. |
|-------|------------------|-----------------|
| 1 | Dr Muthu Kumaran | 1 |
| 2 | Dr Sunil Kumar | 1 |
| 3 | Dr Manoj Kumar | 1 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S.No. | Name of Visitor | Designation & Brief Profile of visitor | Purpose of visit | Date of visit |
|-------|--|--|---------------------|-------------------|
| 1 | Mr Abhinav Das | Abhinav Das, Sr. Engineer, Hexon Lab | Expert Talk | 05 April 2018 |
| 2 | Prof Marcin | Prof (Dr) Marcin Paprzycki, Prof Marcin, Systems Research Institute, Polish Academy of Sciences, Poland. | Expert Talk | 04 July 2018 |
| 3 | Dr Rajiv Mathur and Mr Niclas | Dr Rajiv Mathur and Mr Niclas Wigstrom, CTO, CFO, Chainvine, UK | Workshop | 10 August 2018 |
| 4 | Mr Rajendra Singh, | Principal Technology Architect, Infosys Jaipur. | Expert lecture | 24 August 2018 |
| 5 | Abhinav Das | Abhinav Das, Sr. Engineer, Hexon Lab | Interactive Session | 24 August 2018 |
| 6 | Akshay Saini | Akshay Saini, Paytm | Interactive Session | 31 August 2018 |
| 7 | Mr Rajendra Singh | Mr Rajendra Singh, Principal Technology, Architect, Infosys, Jaipur | Expert Lecture | 01 September 2018 |
| 8 | Mr Naveen Kabra | Mr Naveen Kabra, Reliscore | Expert Lecture | 19 September 2018 |
| 9 | Mr Naveen Kabra | Naveen Kabra, ReliScore | Expert Lecture | 22 September 2018 |
| 10 | Sh.Rajit Sikka, Jayanta Chaudhuri and Sushil Chandra | Head Academic Relations India North at Tata Consultancy Services Ltd. | Workshop | 26 September 2018 |
| 11 | Virender Nautiyal | Director, Doon Valley International (P) Ltd | Interactive Session | 29 September 2018 |
| 12 | Dr Anshuman Kalla and Dr Akhilesh Sharma | Associate Professor, and Dr Akhilesh Sharma, Associate Professor, MUJ | Expert talk | 30 September 2018 |
| 13 | Ms Osheen | Microsoft Corporation India Pvt. Ltd. | Workshop | 06 October 2018 |

| S.No. | Name of Visitor | Designation & Brief Profile of visitor | Purpose of visit | Date of visit |
|-------|---|---|----------------------|-----------------------|
| 14. | Ashutosh Bhatiya | Assistant Professor BITS, Pilani. | Expert Talk | 11 October 2018 |
| 15. | Ashutosh Bhatiya | Assistant Professor BITS, Pilani. | Expert Talk | 11 October 2018 |
| 16. | Mr Lalit Yalgnik | Director, Technologist, Solution Architect & Mentor, disruptive technologies , Executive Leadership (Cornell, USA) | Expert Talk | 11 October 2018 |
| 17. | Dr Vishal Gupta | Assistant Professor, BITS Pilani, Pilani Campus, Pilani | Expert Talk | 11 October 2018 |
| 18. | Mr Amit Jain | Metacubes | Expert Lecture | 13 October 2018 |
| 19. | Dr Yashwardhan Sharma | Dr Yashwardhan Sharma, BITS Pilani | Expert Lecture | 23 October 2018 |
| 20. | Dr V S. Shekhawat | Dr V S. Shekhawat, BITS Pilani. | Expert Talk | 26 October 2018 |
| 21. | Dr Poonam Goyal | Dr Poonam Goyal, Associate Professor, BITS Pilani, Research area - Data Mining | Interactive Session | 30 October 2018 |
| 22. | Prof Navneet Goyal | Professor Navneet Goyal, BITS Pilani, research area-Machine Learning | Interactive Session | 30 October 2018 |
| 23. | Mr Silvester | Mr Silvester, Forks Technology | Workshop | October-November 2018 |
| 24. | Mr Safique Ahmad | Mr Safique Ahmad, NPI U.S | Interactive Session | 14 November 2018 |
| 25. | Mr Amit Agarwal | Agile Software Developer | Expert Lecture | 17 November 2018 |
| 26. | Dr Yogesh Meena | Associate Professor, Malviya National Institute of Technology | Expert Lecture | 17 November 2018 |
| 27. | Mr Sourabh Bansal and Mr. Anuj Tyagi | Head of ADM & Testing, Ericsson Global India Pvt. Ltd, Gurgaon, Haryana, India & Mr Anuj Tyagi, Head of OSS, Ericsson India Global Services Pvt Ltd , Delhi | Interactive Session | 21 November 2018 |
| 28. | Dr Meenakshi Tripathi | Associate Professor , Malviya National Institute of Technology | Expert Talk | 21 November 2018 |
| 29. | Dr Mustaq Ahmad | Associate Professor, Dept. of Computer Science and Engineering, MNIT, Jaipur | Expert Talk | 22. November 2018 |
| 30. | Prof Madhusanka Liyanage | Adjunct Professor, CWC -Networks and System University of Oulu, Finland | Workshop | 16-18 January 2019 |
| 31. | Nilanjan Dey | Techno India College of Technology , West Bengal | Interacative Session | 14 January 2019 |
| 32. | Mr Umesh Chand Agarwal | Global Head, Talent Managemetnt, Secure Meters Ltd. Udaipur | Interactive Session | 21 January 2019 |
| 33. | Prof Priydarshi Nanda | Sr. Lecturer, University of Technology Sydney, Australia | Expert Talk | 22 January 2019 |
| 34. | Nishant Goyal | BOT Mantra Bangalore | Interactive Session | 23 January 2019 |
| 35. | Dr Anshuman Kalla, and Dr Akhilesh Kumar Sharma | Associate Professor, MUJ | Expert Lecture | 10 February 2019 |
| 36. | Prof Rafael Caldeir | Assistant Professor Birla Institute of Technology and Science, Pilani | Expert Talk | 05 March 2019 |
| 37. | Dr Sunil Kumar | Associate Professor, Manipal University Jaipur | Workshop | 06 March 2019 |
| 38. | Dr Sunil Kumar and Mr Nitesh Pradhan | Associate Professor and Mr Nitesh Pradhan, Assistant Professor, Manipal University Jaipur | Workshop | 09 March 2019 |
| 39. | Mr Anupam Gupta, Mr Manan Tholia and Maulik Agarwal | Associate Data Engineer, Celebal Technologies Jaipur | Interactive Session | 26 March 2019 |

Investment for Infrastructure/Lab Augmentation

| Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------------------|---|------------------|
| Data Communication | WARP V3 KIT,DSB/SSB AM Transmitter Trainer Kit,Frequency Division Multiplexing / Demultiplexing Trainer Kit,BPSK / DPSK & DEPSK, Modulation & Demodulation Trainer Kit, QPSK/DQPSK Modulation & Demodulation Trainer Kit,DPCM/ADPCM Modulation & Demodulation Trainer Kit,MSK Modulation & Demodulation Trainer Kit,CDMA-DSSS Trainer Kit,DC Variable Regulated Power Supply,DSO,Function Generator | 1601130 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 6 | 13 | 03 |

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|--------------------------|---|--|--------------------------|
| 1. | Dr Hemlata Goyal | Emerging Trends in Expert Applications and Security, Advances in Intelligent Systems and Computing book series (AISC, volume 841) | Feature Extraction in Geospatial-Temporal Satellite Data for Vegetation Monitoring | International |
| 2. | Dr Rahul Dixit | Digital Image Forensics | Digital Image Forensics | International |
| 3. | Dr. Pradeep Kumar Tiwari | Multidisciplinary Approaches to Service-Oriented Engineering | A comprehensive report on security and privacy challenges in software as a service | International |

Research Grants/Projects from external agencies

| Project Name | Principal Investigator and Co-investigator | Funding Agencies | Type (Government/ Non-Government) | Total Grant (INR) |
|---|---|--|-----------------------------------|-------------------|
| Forecasting the power output of sensitized solar cells (SSC) with varying structural and weather parameters using soft computing techniques | Dr Praveen K umar Surolia/ Prof (Dr) Vijaypal Singh Dhaka | Science and Engineering Research Board (SERB) | Government | 6800000 |



3-Day Preconference Workshop on 5G and SDN



Club Visit in School

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students

| S.No. | Title of the innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/Research Scholar/Student |
|-------|---|---|---|---|
| 1. | NVIDIA DLI University Ambassadorship Award | Dr Sunil Kumar | NVIDIA Delhi University | Teacher |
| 2. | Best Paper award | Dr Punit Gupta | International Conference on Smart IoT Systems - Innovations in Computing, MUJ | Teacher |
| 3. | 3rd Prize (Rs. 3000) for innovation in Digitalisation of patient monitoring system with vicu, Ideathon-2019 | Shlok Aagarwall, Vaibhav Singh, Virat Kumar | Atal Inovation Mission by NITI AYOOG and MUJ | Student |
| 4. | 2nd Rank in All India Research Championship for research and innovation | Nikhilesh Warnanduri | TechieNest-IIT Bombay | Student |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Llinkage | Name of the Participant |
|-------|--|--------------------|-------------------------|
| 1. | Lemon Grass Networks | Internship | Tarun raj singh |
| 2. | Acme Digitek Solutions | | Samarth goyal |
| 3. | Allgo Embedded Systems | | Megha Goushal |
| 4. | Analytics Quad4 | | AnshoomaanRajvansh |
| 5. | Bansal-Mathur IT Cosultancy Services | | Anvita Mathur |
| 6. | Bomotix Private Limited | | Veeramaneni varshith |
| 7. | BRIDGEi2i Analytics Solutions Pvt. Ltd. | | Sanyam Tandon |
| 8. | Celebal Technologies | | Maulik Mayank Agarwal |
| 9. | Cerner | | Sanjana R |
| 10. | Compass Group | | Mrinal Malhotra |
| 11. | Compro Technologies | | Shreya Verma |
| 12. | Continual Engine Private Limited | | Aananya Vyas |
| 13. | Cyanous | | Salapu Sai Sashank |
| 14. | Dell | | Shivali Pathak |
| 15. | Dell International Services India Pvt. Ltd. | | HaripriyaDepura |
| 16. | Deloitte Touchetohmatsu Ind ia Ltd | | Parth Parashar |
| 17. | Doordarshankendra Lucknow | | Shivalik Singh |
| 18. | Ecom Express Pvt. Ltd. | | Shubham Nath |
| 19. | Ericsson | | Kumar Shreyas |
| 20. | Ericsson India Pvt Ltd. | | Abhilasha Srivastava |
| 21. | Ericsson | | Taruni Tarika |
| 22. | Excellence Technology | | Utsav Sharma |
| 23. | Extra Marks | | Aditya Shukla |

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Llinkage | Name of the Participant |
|-------|--|--------------------|-------------------------|
| 24. | Extra Marks | Internship | Akriti Soni |
| 25. | Extra Marks Education India Pvt Ltd | | Megha khabrani |
| 26. | Extramarks Education | | Bhupinder Singh Sran |
| 27. | Extra Marks Education | | Girish Madan |
| 28. | Ibirds software services pvt. Ltd. | | Bhavesv Verma |
| 29. | Idemia | | Pranav Sehgal |
| 30. | Impact Analysis | | Shreya Khemani |
| 31. | Lutarin Technologies | | Arjun Tehlan |
| 32. | Lutarin Technologies | | Ujjwal Soni |
| 33. | Merkle Sokrati | | Shubham sanjay sonawane |
| 34. | Mettl | | Saloni jaruhar |
| 35. | Mindtree | | Sahil sarvesh pashine |
| 36. | Mindtree Limited | | Aditya Singh Bhanbhu |
| 37. | MNIT | | Utkarsh Joshi |
| 38. | Nagarro | | Prasun Guchhait |
| 39. | Newgen Software Technologies | | Vrinda goel |
| 40. | Nineleaps Pvt Ltd | | Shubham Jain |
| 41. | Orange Business Services | | Aparajita |
| 42. | ORBIIT EduTech | | Apnataav Bhatia |
| 43. | ORBIIT EduTech | | Jagat singh |
| 44. | orbiit-edutech | | Rishabh Jain |
| 45. | Orbit Edu Tech. | | Kshitij Raj |
| 46. | Owebest Technologies PVT LTD | | Rakshit binaykiya |
| 47. | Punjab communication ltd. | | Ayush Suri |
| 48. | PyramidCyber | | Sameer sangwan |
| 49. | Radius Synergies International | | Aditya Singh |
| 50. | Reliance JioInfocomm Ltd. | | Nimesh Vijayvargiya |
| 51. | Reliance JIO Mumbai | | Anant Jain |
| 52. | Reliance Retail | | Darshil Jain |
| 53. | SunArch Technologies | | Shradha T Manot |
| 54. | Tech Mahindra | | Videep Singhal |
| 55. | TechAxes | | Mridul Katyal |
| 56. | Think and Learn | | Aman Raj |
| 57. | Torem Infotech | | Middela Harshith Reddy |
| 58. | Velocis | | Shreyansh Sokey |
| 59. | Verbose Techlabs | | Shivhari Kulahari |
| 60. | Youngro media | | Dhruv Mehta |
| 61. | Zekelabs | | Khushboo Srivastava |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|------------------------------|---|--------------------------|
| 1 | TMA Pai Merit Scholarships | 07 | 07 |
| 2 | Fee waiver under sportsquota | 05 | 05 |
| 3 | Rajasthan Merit Scholarships | 02 | 02 |



Digifest 25-27 July Wining Green-a-thon



Expert Lecture



Expert Talk Priyadarshi Nanda



Expert Talk Wireless Communication



Expert Talk

Capability Enhancement and Development schemes

| S. No. | Name of the capability enhancement scheme | Number of students enrolled | Name of the Agencies Involved |
|--------|---|-----------------------------|--|
| 1. | Hackathon | 48 | CCE-MUJ, Dr Manoj Kumar |
| 2. | Hackathon | 40 | CCE-MUJ, Dr Manoj Kumar |
| 3. | Hackathon | 40 | CCE-MUJ, Dr Manoj Kumar |
| 4. | Hackathon | 52 | CCE-MUJ, Dr Manoj Kumar |
| 5. | Hackathon | 58 | CCE-MUJ, Dr Manoj Kumar |
| 6. | Bootcamp | 63 | |
| 7. | Competitive Examination | 75 | CCE-MUJ, Dr Punit Gupta, Amita Nandal |
| 8. | Career counselling session | 47 | Mr Anupam Gupta - Principal, Chief Architect at Celebal Technologies. |
| 9. | Skill Development Session | 19 | Dr Navneet Goyal, Birla Institute of Technology and Science -Pilani |
| 10. | Skill Development Session | 36 | CCE-MUJ, Dr Anshuman Kalla Dr Akhilesh Kumar Shar |
| 11. | Skill Development Session | 40 | Mr Naveen Kabra, CTO ReliScore.in |
| 12. | Career counselling session | 40 | Dr Priyadarsi Nanda, Professor at the University of Technology Sydney (UTS) |
| 13. | Skill Development Session | 48 | Osheen Chavhan and Swaraj Singh, Team leader and technical analyst From Microsoft |
| 14. | Skill Development Session | 45 | Dr Sunil Kumar, CCE Department, MUJ |
| 15. | Career counselling session | 33 | Prof Rafael Caldeirinha, Polytechnic Institute of Leiria, Portugal |
| 16. | Career counselling session | 18 | Dr Priyadarsi Nanda, Professor at the University of Technology Sydney (UTS) |
| 17. | Skill development session | 23 | Dr Madhusanka Liyanage, Adjunct Professor, CWC -Networks and Systems, |
| 18. | Career counselling session | 25 | Dr Austosh Bhatia, Assistant Professor, BITS Pilani, Pilani Campus, Pilani |
| 19. | Career counselling session | 48 | Lalit Yagnik, Sales Engineer, Client Advisor, Technology Director, Solution Architect, Business Unit Executive, Consultant, Mentor |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 11 | 0-4 |
| 2. | 2 | 4-6 |
| 3 | 16 | 4-9 |
| 4. | 3 | 10 and above |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 2 | 2 | Nil | Nil | Nil |

Awards/Recognition of Students

| S.No. | Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-------|------------------|--------------------------|------------------|
| 1. | Anushka Singhal | Runner Up | Sports |
| 2. | G. Sai Eshwar | First | Sports |
| 3. | Ms Swagita Panda | Runner Up | Sports |
| 4. | Shlok Kothari | First | Sports |
| 5. | Amit Dubey | First | Sports |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 16 | 383501 | 5 | 24180 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|--|------------------------------|
| 1. | Gulrej Ahmed | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE -2019)" at Manipal University Jaipur | 25 February -01 March 2019 |
| 2. | K. Muthu Kumarna | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE -2019 at Manipal University Jaipur | 25 February - 01 March 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local communication

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|------------------|---|--|------------------|
| 1. | Social Event | Panacea Club - GSS Thekariya, Ajmer Road, Pink Village Bhamoria, Bagru | 30 | 30 March 2019 |
| 2. | Industrial Visit | Industrial Visit at Celebal Technology | 59 | 26 March 2019 |



MOU



Industrial Visit



MOU

School of Electrical, Electronics and Communication Engineering (SEEC)

Established : 2011
 Name of Dean : Dr Jagannath Korody
 Name of Director : Dr Shivendra Nath Sharan
 (upto 5 July 2019)
 Dr Jamil Akhtar (from 5 July 2019)

About the School: The School of Electrical, Electronics & Communication (SEEC) Engineering comprises of branches of Electrical Engineering Sciences. School offers the following programs B. Tech. programs offers a unique mix of Electrical, Electronics, Communication, Instrumentation and Computer related courses that enable the student to choose a professional career and/or pursue higher studies in any of these streams M. Tech. Programs

have a multi-disciplinary focus and are designed with the sole aim of developing the student's core competence, to take up the challenges in the field of design, research, innovations & development, as per industry and academia requirements. The wide range of courses and open electives offered in the B. Tech. & M. Tech. programs cover a broad spectrum of the subject domain and enables the students to specialize in their areas of interest. The curriculum is periodically updated, in consultation with the experts from industry and academia, to reflect changes in technology. The core competencies of the school are Power Electronics and Drivers, Power and Control Systems, Communication, Microprocessor & Micro Controller, Microelectronics/ VLSI, Microwave and Antenna Design.

Department of Electrical Engineering

Programs:

1. B. Tech
2. M. Tech
3. Ph.D

About the Department: Department of Electrical Engineering was established in the year 2011 and is presently offering B. Tech. in Electrical & Electronics Engineering, M. Tech. in Power Electronics & Drives and Ph. D. courses in all major electrical domains. Core competencies of the department includes Power System,

Power Electronics, Control System, Renewable Energy Resources etc. Department has well equipped laboratories and active collaboration with leading industries involved in research and development to give live experience to our students. The Department of Electrical Engineering offers 57 courses with focus on Employability/ Enterpreneurship/ Skill Development and 5 value added courses. The Department partnered with 39 Institutions/ Industry for projects and other Industry Linkages. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization

| S. No. | Name | Designation | Specialization | State | Experience (Yrs) |
|--------|----------------------------|---------------------------------------|------------------------------|----------------|------------------|
| 1. | Dr H. Ravishankar Kamath | Professor | Energy | Karnataka | 29 |
| 2. | Dr Amit Soni | Professor & Head | Power System | Rajasthan | 18 |
| 3. | Dr Ashish Shrivastava | Professor | Power Electronics | Delhi | 20 |
| 4. | Dr Amit Saraswat | Associate Professor | Electrical Power Systems | Uttar Pradesh | 15 |
| 5 | Dr Manish Kumar Thukral | Associate Professor | Power Electronics | Sikkim | 14 |
| 6. | Dr Sunil Kumar Goyal | Associate Professor | Electrical Power Systems | Rajasthan | 21 |
| 7. | Dr Vishnu Goyal | Assistant Professor (Selection Grade) | Industrial System & Drives | Madhya Pradesh | 13 |
| 8. | Mr Vinay Gupta | Assistant Professor (Selection Grade) | Measurement & Control System | Madhya Pradesh | 16 |
| 9. | Mr Samarendra Pratap Singh | Assistant Professor | Electrical Power Systems | Jharkhand | 13 |
| 10. | Mr Peeyush Garg | Assistant Professor | Instru mentation | Madhya Pradesh | 08 |
| 11. | Mr Abhishek Kumar | Assistant Professor | Control Systems | Karnataka | 07 |
| 12. | Mr Ritesh Singh | Assistant Professor | Control Systems | Karnataka | 06 |
| 13. | Mr Vikash Kumar Boradak | Assistant Professor | Electronic System Design | Rajasthan | 06 |

| | | | | | |
|-----|----------------------------|---------------------|----------------------------------|---------------|----|
| 14. | Mr Satya Narayan Agarwal | Assistant Professor | Control & Instrumentation | Delhi | 06 |
| 15. | Mr Himanshu Priyadarshi | Assistant Professor | Solid State Electronic Materials | Uttarakhand | 07 |
| 16. | Mr Mahipal Bukya | Assistant Professor | Electrical Engineering - HVE | Karnataka | 05 |
| 17. | Mr Divya Rishi Shrivastava | Assistant Professor | Power & Energy Systems | Assam | 05 |
| 18. | Mr Ajay Shankar | Assistant Professor | Control & Automation | Uttar Pradesh | 03 |
| 19. | Dr Neeraj Kanwar | Assistant Professor | Electrical Power Systems | Rajasthan | 07 |



Geared Electric Bike



VI Microsystem Chennai Visit



Alumni Meet



Alumni Meet



BITS Pilani Visit



BITS Pilani Visit

ACADEMICS

Teachers using Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for Effective Teaching

| S.No. | Name of Faculty | No. of Courses |
|-------|----------------------------|----------------|
| 1. | Dr Amit Soni | 2 |
| 2. | Dr Ashish Shrivastava | 2 |
| 3. | Dr Amit Saraswat | 2 |
| 4. | Dr Manish Kumar Thukral | 2 |
| 5. | Dr Sunil Kumar Goyal | 2 |
| 6. | Dr Vishnu Goyal | 2 |
| 7. | Mr Vinay Gupta | 2 |
| 8. | Mr Samarendra Pratap Singh | 2 |
| 9. | Mr Peeyush Garg | 3 |
| 10. | Mr Abhishek Kumar | 3 |
| 11. | Mr Ritesh Singh | 2 |
| 12. | Mr Vikash Kumar Boradak | 2 |
| 13. | Mr Satya Narayan Agarwal | 3 |
| 14. | Mr Himanshu Priyadarshi | 3 |
| 15. | Mr Mahipal Bukya | 2 |
| 16. | Mr Divya Rishi Shrivastava | 3 |
| 17. | Mr Devesh Chandra | 2 |
| 18. | Mr Amit Kumar Singh | 2 |
| 19. | Dr Neeraj Kanwar | 2 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S.No. | Visitor | Designation and Brief profile of the Visitor | Purpose of Visit | Date of Visit |
|-------|--------------------------|--|------------------|------------------|
| 1. | Dr H. Ravishankar Kamath | Registrar, Manipal University Jaipur | Invited Talk | 3 May 2018 |
| 2 | Mr Shafik Ahmad | Head NPII and Skill Assurance, Secure Meter s Udaipur | Invited Talk | 14 November 2018 |
| 3. | Dr Rajendra Kumar Pandey | Director, National Power Traning Institute(NPTI) | Invited Talk | 22 December 2018 |
| 4 | Dr SaikatChakrabarti | Professor IIT, Kanpur | Invited Talk | 22 December 2018 |
| 5 | Dr Majid Jamil | Professor, Jamia Millia Islamia | Invited Talk | 23 December 2018 |
| 6 | Mr Sanjiv Kumar Dhal | Country Head Sales & Marketing, Secure Meters, India | Invited Talk | 22 December 2018 |
| 7 | Mr Amit Agarwal | Program Manager, Adobe, Uttar Pradesh, India | Invited Talk | 25 January 2019 |
| 8 | Mr KshitijGoel | Computer Science & Masters in Software Systems | Invited Talk | 25 January 2019 |
| 9 | Dr Avik Bhattacharya | Assistant Professor, Department of Electrical Engineering, IIT Roorkee | Invited Talk | 30 January 2019 |
| 10 | Dr M. P. Sharma | Assistant Engi neer in Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Jaipur. | Invited Talk | 15 April 2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|----------------------|-------------------------------------|------------------|
| 1. | Control & Automation | MY RIO NI (1900) | 83780 |
| 2. | Power System | Solar PV Standalone Training System | 196350 |
| | | Solar PV Emulator | 423937 |
| | | Solar PV Grid -Tied Training System | 316837 |

RESEARCH VISIBILITY
Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 11 | 7 | 4 |

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|--|--|--|--------------------------|
| 1. | Dr Neeraj Kanwar | Soft Computing Systems, Springer | A Probabilistic Modeling Strategy for Wind Power and System Demand | International |
| 2. | Dr Manish Kumar Thukral | Lecture Notes in Electrical Engineering (LNEE), Springer | Analyzing frequency spectra of signals generated by chaotic DC-DC converter and its application in secure communication | International |
| 3. | Dr Manish Kumar Thukral | Lecture Notes in Electrical Engineering (LNEE), Springer | Design and Simulink Implementation of Electrical Vehicle Charging Using Wireless Power Transfer Technology | International |
| 4. | Mr Abhishek Kumar, Mr Peeyush Garg & Mr Ajay Shankar | Lecture Notes in Electrical Engineering (LNEE), Springer | Implementation of a Temperature Control Process Trainer Through PID Controller Designed with Siemens S7-1200 PLC and HMI | International |

Seed Money/Endowment funds Granted by University

| Name of the Faculty | Title of Project | Seed Money Amount (INR) |
|----------------------|---|-------------------------|
| Dr Sunil Kumar Goyal | International visit of Arizona State University, USA during 18 th June -04 th July 2018 | 50000 |



ICTSES International Conference 22nd – 23rd Dec, 2018


 Prof. Rajendra Pandey, Director NPTI, Faridabad.
 Keynote Speaker ICTSES 2018

Research Grants/Projects from external agencies

| Project Name | Principal Investigator and Co-investigator | Funding Agencies | Type (Government /Non-Government) | Total Grant (INR) |
|--|--|--|-----------------------------------|-------------------|
| Electronic Structure strategies and electron momentum densities of some important functional materials | Dr Amit Soni | Department of Science & Technology, Science & Engineering Research Board (DST -SERB) | Government | 18.96 Laacs |

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students

| Title of the innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/Research Scholar/Student |
|---|-----------------------|---|---|
| Research in Power Quality Improvement in LED Lighting Systems | Dr Ashish Shrivastava | Education Excellence Award 2019 by Woman Innovation Entrepreneurship Foundation | Teacher |

Awards/Recognition Received from Government or Recognised Bodies

| Name of faculty | Name of the Award, fellowship | Awarding Agency/Body | Date of Award |
|-----------------------|---|---|------------------|
| Dr Ashish Shrivastava | Education Excellence Award for Research | Woman Innovation Entrepreneurship Foundation (WIEF) | 18 February 2019 |

Ph.D.s Awarded

| Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of Registration of the scholar |
|-------------------------|---------------------|--|-------------------------------------|
| Mr Pancham Kumar | Dr Amit Soni | Investigation of electronic structure and optical properties of materials used in solar photovoltaic cells | 07 January 2015 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /Research Lab | Nature of Linkage | Name of the participant |
|-------|--|-----------------------------|-------------------------|
| 1. | Secure Meters, Udaipur (Rajasthan), 8527372473 | Internship | Deep Raj Bedi |
| | | | Raj Bhushan Singh |
| | | | Shubham Tiwari |
| 2. | Think N Learn , Bangalore, 9900054145 | Internship | Tanmay Singh |
| | | | Kumar Shreyas |
| | | | Raj Bhushan Singh |
| 3. | Capgemini Technology Services, Navi Mumbai – 400 708, 8879673736 | Internship | Deepraj Bedi |
| | | | Saloni Jain |
| | | | Milind Ranjan |
| 4. | Jaro Education, Mumbai | Internship | Shantanu Khandelwal |
| 5. | METTL, Gurugram, Haryana 122003, 9654460012 | Internship | Rishabh Srivastava |
| 6. | Mohan Lal Sukhadiya University, Udaipur | Collaborative Research Work | B. L. Ahuja |
| 7. | The Maharaja Sayajirao University Of Baroda | Co-Guide | Dr Alpa Dashora |

| S.No. | Name of the partnering Institution/ Industry /Research Lab | Nature of Linkage | Name of the participant |
|-------|--|-----------------------------|---------------------------------|
| 8. | NIT Uttarakhand (Dst Serb Research Project) | Collaborative Research Work | Dr Jagrati Sahariya |
| 9. | International Association for the Exchange of Students for Technical Experience (IAESTE) MUJ | Student Exchange | Fabian Schober |
| | | Student Exchange | Slaweckikacper |
| | | Student Exchange | Bilelabdennadher |
| | | Student Exchange | Wiktorina Anna Ertman |
| | | Student Exchange | Aashis Kumar |
| 10. | Rajasthan Rajya Vidyut Prasaran Nigam Limited, Mansarovar, Jaipur -302020. | Internship | Deepak Ajmera |
| 11. | GssKhagaul, Khagaul - Bihar | Internship | Shreyash Amitabh |
| 12. | Hammond Power Solutions, Telangana State | Internship | Athunuru Durga Prudvinadh Reddy |
| 13. | L&T Automation, Navi Mumbai, Thane, Maharashtra | Internship | Abhishek Brahma |
| 14. | South Bihar Power Distribution Company Ltd. Patna-800001 | Internship | Adarsh Sinha |
| 15. | Airport Authority Of India, Imu, Chq, Rgb Safdarjung Airport, New Delhi | Internship | AmanKhurana |
| 16. | Siemens Ltd. Thane Belapur Road Airoli, Navi Mumbai | Internship | Rishav Sharma |
| | | | Rishabh Pathania |
| | | | Jay Praful Chheda |
| | | | Aman Vats |
| 17. | Bhakra Beas Management Board (BBMB Distt. Mandi, H.P | Internship | Amandeep Dhiman |
| 18. | Tata Power, Jojobera, Telco Colony, Jharkhand (Pin - | Internship | Ansul Kumar |
| 19. | Rajghat Power House New Delhi, Delhi, | Internship | Arpit Gupta |
| 20. | South Bihar Power Distribution Company Limited (Sbpdcl), Patna | Internship | Atul Raaj Agrawal |
| 21. | Aditya Birla Cement, Kotputli, Raj. -303107 | Internship | Dinesh Kumar Gurjar |
| 22. | Dodsai Enterprises Pvt Ltd Gujarat | Internship | Janvee Menghrajani |
| 23. | Azure Power India Private Ltd., New Delhi | Internship | Kunal Pandey |
| 24. | Tata Power Delhi Distribution Limited Learning Centre Delhi | Internship | Lucky Singh Dhaker |
| 25. | South Bihar Power Distribution Company Ltd., Patna | Internship | Manish Kumar Chaudhary |
| 26. | Pyrotech Electronics Pvt. Ltd., Udaipur | Internship | Manvi Shekhawat |
| 27. | Marshal Ecomotive, Lucknow | Internship | Milind Ranjan |
| 28. | GSES India Sustainable Energy Pvt. Ltd, New Delhi | Internship | Montina Brahma |
| 29. | Eidertia Research Pvt. Ltd., Delhi | Internship | Pratiksha Sahu |
| 30. | Pull Mac Cranes India Pvt. Ltd., Ghaziabad, UP | Internship | Shantanu Khandelwal |
| 31. | Industrial Switchgear &Control Bombay Pvt. Ltd., Maharashtra | Internship | Shubham Upreti |
| 32. | EMF Innovations Pvt. Ltd., Tamil Nadu | Internship | Tanmay Singh |
| 33. | Mitsubishi Electric Automotive India Pvt. Ltd, Gurugram | Internship | Tanya Rai |
| 34. | Tata Power, Jojobera, Telco Colony, Jharkhand (Pin - | Internship | Vishal Kumar |
| 35. | N.F.Railway Dibrugarh 786001 | Internship | YuvrajKedia |
| 36. | Powertech Engineers, , Noida, U.P 201301 | Internship | Sagarika |
| | | | Neeharika |
| 37. | Complete Energy Solutions, Cairo, Egypt | Internship | Arpit Goyal |
| 38. | Hitachi Hi-Rel Power Electronics Pvt. Ltd., Gujarat 382044 | Internship | Kashyap Patel |
| 39. | Power & Instrumentation (Guj.) Ltd., Ahmedabad, Ajmer | Internship | Vaibhav Mathur |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of students Benefited by Government Scheme | No. of Students Benefited by Non -Government Schemes | Total Number of Students |
|--------|-------------------------------|--|--|--------------------------|
| 1. | TMA Pai Merit Scholar ship | 00 | 04 | 04 |
| 2. | Scholarships for Siblings | 00 | 01 | 01 |
| 3. | Tuition Fee Concession | 00 | 01 | 01 |
| 4. | Rajasthan Merit Scholarship | 01 | 00 | 01 |
| 5. | Scholarship for Lateral Entry | 00 | 02 | 02 |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 7 | 4-6 |
| 2. | 3 | 4-9 |
| 3. | 1 | 10 and above |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| S.No. | Name of Students Enrolling Into Higher Education | Name of Competitive Cxam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|---|--|
| 1. | Jyoti Sharma | GATE-2019 | Nil | Nil |
| 2. | Rajat Gupta | GATE-2019 | MNIT Jaipur | M.Tech in Electrical Engineering |
| 3. | Vipin Kumar Yadav | GATE-2019 | IIT Dhanbad | Power System Engineering |
| 4. | Swati Singh | GATE-2019 | BITS Mesra | M. Tech in Control System |
| 5. | Sunav Pandey | CAT-2018 | Spjimr, Bharatiya Vidya Bhavan | Post Graduate Diploma in Management (Pgdm) |
| 6. | Vishakha Vinod Mishra | CAT-2018 | Xavier Institute Of Social Service, Ranchi. | Pgdm, Human Resource Management |
| 7. | Saloni Verma | GRE | Nil | Nil |
| 8. | Yash Raj Singh | IELTS-2018 | The University Of Queensland | Master of Business |
| 9. | Aayush Jain | IELTS-2018 | LIM College's | MPS Fashion Merchandising & Retail Management Program. |



ICTSES International Conference 22nd – 23rd Dec, 2018



ICTSES International Conference 22nd – 23rd Dec, 2018

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 1 | 3 |

| S.No. | Name of Alumni | Date of meeting | No. of Members Attended | Particulars |
|-------|---|------------------|-------------------------|-------------|
| 1. | Abhishek Nigam (M.Tech Batch 2012) | 1 October 2018 | 35 | Lecture |
| 2. | B.Tech Batch 2018 | 30 October 2018 | 40 | Meeting |
| 3. | B.Tech Batch 2018 | 7 November 2018 | 30 | Meeting |
| 4. | Vikramaditya Singh (B.Tech Batch -2015) and Pancham Kumar (M.Tech Batch 2012) | 28 February 2019 | 30 | Interaction |

INTERNATIONALIZATION

Functional MoUs with institutions of National, International importance, other Universities, Industries, Corporate houses etc.

| S. No. | List the Activities under each MoU | Number of Students/Teachers Participated under MoUs |
|--------|------------------------------------|---|
| 1. | Industrial Visit, Secure Meters | 32 |
| 2. | Invited Talk, Secure Meters | 40 |
| 3. | Secure Vikram Award | 02 |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|------------------------------|-------------|------------|------------|
| 32 | 402629 | 12 | 57948 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from-to) |
|-------|-------------------------------|---|-----------------------------|
| 1. | Abhishek Kumar | Pedagogic & Personal Effectiveness Workshop | 10-12 December 2018, |
| 2. | Amit Saraswat | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE -2019)" from February 25 -March 01, 2019 at Manipal University Jaipur | 25February – 01March 2019 |
| 3. | Amit Soni | Pedagogic & Personal Effectiveness Workshop | 10-12 December 2018 |
| 4. | Ashish Shrivastava | | |
| 5. | Divya Rishi Shrivastava | | |
| 6. | Himanshu Priyadarshi | | |
| 7. | Neeraj Kanwar | Faculty Development Programme on "Advanced Optimization Techniques" MNIT Jaipur | 12-21 October 2018 |
| 8. | Peeyush Garg | Pedagogic & Personal Effectiveness Workshop | 10-12 December 2018 |
| 9. | Peeyush Garg | Workshop on "Machine Learning from First Principle" An In -Depth Intuition Building" MUJ | 10 - 14 October 2018 |

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from-to) |
|-------|-------------------------------|---|-----------------------------|
| 10. | Ritesh Singh | Pedagogic & Personal Effectiveness Workshop | 10-12 December 2018 |
| 11. | Samarendra Pratap Singh | | |
| 12. | Satya Narayan Agarwal | | |
| 13. | Vikas Kumar Boradak | | |
| 14. | Vinay Gupta | | |
| 15. | Vishnu Goyal | | |
| 16. | Abhishek Kumar | | |
| 17. | Amit Saraswat | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE -2019)" from February 25 -March 01, 2019 at Manipal University Jaipur | February 25 -March 1, 2019 |
| 18. | Amit Soni | Pedagogic & Personal Effectiveness Workshop | 10-12 December 2018 |
| 19. | Ashish Shrivastava | | |
| 20. | Divya Rishi Shrivastava | | |
| 21. | Himanshu Priyadarshi | | |
| 22. | Neeraj Kanwar | Faculty Development Programme on "Advanced Optimization Techniques" MNIT Jaipur | 12-21 October 2018 |
| 23. | Peeyush Garg | Pedagogic & Personal Effectiveness Workshop | 10-12 December 2018 |
| 24. | Peeyush Garg | Workshop on "Machine Learning from First Principle" An In -Depth Intuition Building" MUJ | 10 - 14 October 2018 |
| 25. | Ritesh Singh | Pedagogic & Personal Effectiveness Workshop | 10-12 December 2018 |
| 26. | Samarendra Pratap Singh | | |
| 27. | Satya Narayan Agarwal | | |
| 28. | Vikas Kumar Boradak | | |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| Name of Activity | Organising unit/ agency/ Collaborating agency | Number of Dept. Students participated in such activities | Date of Activity |
|-------------------------------------|---|--|------------------|
| Electric System Awareness Programme | Bhartiya Skill Development University and NCC | 15 | 2 March 2019 |



Geared Electric Bike Project



BITS Pilani Visit

Department of Electronics and Communication Engineering

Programs:

1. B.Tech
2. M.Tech
3. PhD

About the School:

The Department of Electronics & Communication Engineering (ECE), Manipal University Jaipur is a centre for advanced research and teaching. The department aims at becoming a leading department that has introduced courses to students that covers larger domains of curriculum such as robotics, imaging, RF engineering, Low power VLSI, Nanotechnology, Microwave engineering and Antenna, and many more. Undergraduate and Postgraduate students have the opportunity to

participate in research projects in ECE labs, and a research paper presented at engineering conferences both at national and international levels. Positions are available during the academic year for the student researchers. The ECE department have well – equipped laboratories and resourceful library constitute the best info-oriented junction for the students. The Department offers 64 courses focusing on Employability/Entrepreneurship/Skill Development. It also offers 8 value added courses imparting transferable and Life Skills, besides the department has introduced 26 new courses also. The Department partnered with 58 institutions/ industry for projects and other industry linkages. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|--------------------------|--|--|----------------|------------------|
| 1. | Dr Shivendra Nath Sharan | Professor | Spectrum Management and Renewable Energy | New Delhi | 30 |
| 2. | Dr Manish Tiwari | HOD (from 16 Dec 2018) Professor | Photonics, Opto Electronics & Optical Communication | Rajasthan | 21 |
| 3. | Dr V. N. Tiwari | Professor | Antenna Technology | Uttar Pradesh | 22 |
| 4. | Dr Amit Rathi | Associate Professor HOD (upto 16 Dec 2018) | Microwave Antenna, Opto Electronics Device & Microelectronics, Bio-inspired Algorithms | Rajasthan | 18.3 |
| 5. | Dr Tarun Kumar Dubey | Associate Professor | Wireless Sensor Networks | Haryana | 16 |
| 6. | Dr Shilpi Birla | Associate Professor | VLSI | Uttarakhand | 14 |
| 7. | Dr Renu Kumawat | Associate Professor | VLSI & Embedded, Machine Learning & AI | Rajasthan | 12 |
| 8. | Mr Sanjiv Jaswal | Associate Professor | IT & Telecommunication | Madhya Pradesh | 30 |
| 9. | Dr Abhishek Shrivastava | Associate Professor | Electromagnetic Field | Uttar Pradesh | 16 |
| 10. | Dr Himanshu Chaudhary | Associate Professor | Robotics & Networking | Uttarakhand | 15.10 |
| 11. | Dr Sanyog Rawat | Associate Professor | Antenna Technology | Rajasthan | 14.3 |
| 12. | Dr Kulwant Singh | Associate Professor | MEMS Design & Technology | Kerala | 13 |
| 13. | Mr Chandra Prakash Gupta | Assistant Professor | Communication | Rajasthan | 14.3 |
| 14. | Mr Tejpal | Assistant Professor | Electronics & Communication Engineering | Rajasthan | 13.7 |
| 15. | Ms Neha Singh | Assistant Professor | VLSI Design | Rajasthan | 15 |

| | | | | | |
|-----|---------------------------|---------------------|--|---------------|-------|
| 16. | Ms Madhuri Sahal | Assistant Professor | Electronics & Communication Engineering | Haryana | 13.3 |
| 17. | Ms Pallavi Yarde | Assistant Professor | Embedded System | Rajasthan | 15.11 |
| 18. | Ms Neetu | Assistant Professor | Microwave Antenna | Rajasthan | 17.2 |
| 19. | Mr Dinesh Yadav | Assistant Professor | Microwave Antenna | Rajasthan | 10.3 |
| 20. | Mr Suddhendu | Assistant Professor | Wireless Communication | West Bengal | 11 |
| 21. | Ms Deepika Bansal | Assistant Professor | VLSI Design | Rajasthan | 9.2 |
| 22. | Mr Rohit Mathur | Assistant Professor | Digital Communication | Rajasthan | 7 |
| 23. | Mr Chusen Duari | Assistant Professor | VLSI Design | Assam | 9 |
| 24. | Mr Ashish Vijay | Assistant Professor | System & Control | Uttarakhand | 5.5 |
| 25. | Dr Lokesh Garg | Assistant Professor | VLSI Design | Rajasthan | 4.3 |
| 26. | Mr Vishal Das | Assistant Professor | Digital Electronics & Advanced Communication | Sikkim | 3.7 |
| 27. | Mr Mohit Kr. Sharma | Assistant Professor | System & Control | Uttarakhand | 3.3 |
| 28. | Dr Prashant Povel Dwivedi | Assistant Professor | Laser Science & Applications | South Korea | 8 |
| 29. | Dr Khamesh Kumar | Assistant Professor | Semiconductor Device/ Compact Modeling | Tamil Nadu | 6 |
| 30. | Mr Amit Kumar Singh | Assistant Professor | VLSI Systems & Technology | Uttar Pradesh | 6.8 |
| 31. | Mr Devesh Chandra | Assistant Professor | Micro Electronics | Rajasthan | 11.2 |



Alumni Meet

ACADEMICS

Teachers using Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for Effective Teaching

| S.No. | Name of Faculty | No. of Courses. |
|-------|-------------------|-----------------|
| 1. | Dr Sanyog Rawat | 02 |
| 2. | Mr Rohit Mathur | 02 |
| 3. | Ms Pallavi Yarde | 01 |
| 4. | Ms Deepika Bansal | 01 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|------------------------|---|------------------|-----------------|
| 1. | Dr Yaseera Ismail | OSA (The Optical Society) Ambassador 2018, University of KwaZulu Natal, Durban, South Africa | Expert Talk | 15 March 2019 |
| 2. | Dr Vinod Kumar | Director (Retd) Wireless Research, Alcatel-Lucent Bell Labs, France | Expert Talk | 15 March 2019 |
| 3. | Dr Phillipe Gallion | Emeritus Professor, TélécomParisTech, France | Expert Talk | 15 March 2019 |
| 4. | Dr Rajiv Mathur | Chief Technology Officer, Chainvine Limited, UK | Expert Talk | 10 August 2018 |
| 5. | Dr Niclas Wigstorm | Chief Financial Officer, Chainvine Limited UK | Expert Talk | 10 August 2018 |
| 6. | Dr Akshay Kumar Ratore | Associate Professor, Electrical and Computer Engineering, Concordia University, Montreal (Canada) | Expert Talk | 9 August 2018 |
| 7. | Dr Surinder Singh | Director, Semiconductor Complex Limited | Expert Talk | 27 April 2018 |
| 8. | Dr Madhu Chetty | Associate Professor, Gippsland University Australia | Expert Talk | 17 June 2019 |
| 9. | Shiban K. Koul | Professor, CARE, IIT Delhi, He is regional coordinator of IEEE MTT-S India | Expert Talk | 15 October 2019 |
| 10. | Dr Sanjeev Yadav | Assistant Professor, Govt. Women Engg. College Ajmer | Workshop | 5 February 2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|--|---------------------------|------------------|
| 1. | Digital Electronics Lab. | Logic Analyser 32 Channel | 301061 |
| | | Logic Analyser 16 Chabbe | |
| | | Digital IC Testol | |
| 2. | Communication Lab | Optical Bread Board | 370756 |
| | | Optical Laser Source | |
| | | Fedry Petro Laser Source | |
| 3. | Circuit Simulation Lab & Electronics Circuit Lab | DSO | 369930 |
| | | Function Generator | |
| | | Bread Board Training Kit | |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 43 | 45 | 24 |

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|--|---|--|--------------------------|
| 1. | Joshi K., Tiwari V., Bhardwaj D. | Lecture Notes in Electrical Engineering | Design and simulation of nature - inspired patch antenna with CPW feed for dedicated short -range communication technology using HFSS EM simulation software | International |
| 2. | Singh A.K., Rathi A., Riyaj M., Alvi P.A. | Lecture Notes in Electrical Engineering | Wavefunctions and optical gain in In _{0.3} Ga _{0.7} As/GaAs 0.4Sb0.6 Type -II double quantum well nanoheterostructure under external uniaxial strain | International |
| 3. | Neetu, Tiwari V. | Lecture Notes in Electrical Engineering | A novel fabric adhesive UWB magnetolectric dipole antenna | International |
| 4. | Singh R., Rathour A.S., Kumar V., Seth D., Rawat S., Ray K. | Lecture Notes in Electrical Engineering | Design and analysis of low profile, enhanced bandwidth UWB microstrip patch antenna for body area network | International |
| 5. | Pallavi Yarde | Data and Communication Networks/ A Cross-layer Routing Protocol for Wireless Sensor Networks | A Cross -layer Routing Protocol for Wireless Sensor Networks | International |
| 6. | Amit Rathi | IOP Conference Series: Materials Science and Engineering | Red Shift in Optical Properties of Type Al _{0.45} Ga _{0.55} As/GaAs0.84P0.16/ Al _{0.45} Ga _{0.55} As Nano -heterostructure under External Strain | International |
| 7. | Neetu | Lecture Notes in Electrical Engineering 2019 | A novel fabric adhesive UWB Magneto -Electric Dipole antenna | International |
| 8. | Amit Kumar Singh | Engineering Vibration, Communication and Information Processing, Springer | Wavefunctions and Optical Gain in In _{0.3} Ga _{0.7} As/ GaAs0.4Sb0.6 Type -II Double Quantum Well Nanoheterostructure Under External Uniaxial | International |
| 9. | Sanyog Rawat | Compact Design of Modified Pentagon Shaped Monopole Antenna for UWB Applications | Compact Design of Modified Pentagon Shaped Monopole Antenna for UWB Applications | International |
| 10. | Dr Manish Tiwari | Irisworld Proceedings of 2nd International Conference on Optical and Wireless Technologies 2017 | — | International |
| 11. | Dr Manish Tiwari | MgO Doped Lithium Niobate Waveguides Based All Optical Modulator | — | International |
| 12. | Dr Manish Tiwari | Optimized 2× 1 Multiplexer Based on Reversible Logic Using Titanium - indiffused Lithium Niobate Channel Waveguides | — | International |

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|--|--|---|--------------------------|
| 13. | Dr Manish Tiwari | Multi-material Photonic Crystal Fiber in MIR Region for Broadband Supercontinuum Generation | — | International |
| 14. | Dr Manish Tiwari | Optical Properties of Photonic Crystal Fibers | — | International |
| 15. | Dr Manish Tiwari | Design Optimization of a Highly Birefringent and Highly Nonlinear Silicon Photonic Crystal Fiber | — | International |
| 16. | Sisodia P.S., Tiwari V., Dahiya A.K. | E-Planning and Collaboration: Concepts, Methodologies, Tools, and Applications | Urban sprawl monitoring using remote sensing and GIS techniques of the city Jaipur, India | International |
| 17. | Dr Manish Tiwari | Irisworld Proceedings of 2nd International Conference on Optical and Wireless Technologies 2017 | — | International |
| 18. | Dr Manish Tiwari | Optical and Wireless Technologies: Proceedings of OWT 2017 | — | International |
| 19. | Dr Manish Tiwari | Multi-material Photonic Crystal Fiber in MIR Region for Broadband Supercontinuum Generation | — | International |



One Day Workshop on VLSI

Ph.D.s Awarded

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the Thesis | Year of Registration of the Scholar |
|-------|-------------------------|---------------------|--|-------------------------------------|
| 1. | Neetu | Dr V N Tiwari | Novel designs of wideband magneto electric dipole antenna | 15 July 2014 |
| 2. | Ekta Rewar | Dr B. P. Singh | Assessment of Foliar Disease of Crops using Image Processing | 12 January 2015 |
| 3. | Dinesh Yadav | Dr V. N. Tiwari | Design and development of ultra wideband reconfigurable and MIMO antennas | 9 October 2012 |
| 4. | Vaishali | Dr Sandeep Sancheti | Terrestrial Free Space Optical Li – Fi For Broadband Access Communication System | 12 January 2015 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /Research Lab | Nature of Linkage | Name of the Participant |
|-------|--|-------------------|-------------------------|
| 1. | Tata Motors Limited | Internship | Aman Raj |
| 2. | Havells India Limited | | Anant Rose |
| 3. | Reliance Jio Infocomm Limited | | Himesh Sharma |
| 4. | Genpact | | Anwasha Pal |
| 5. | Huawei Telecommunications Pvt Limited | | Arnav Yadav |
| 6. | Industrial Automation Training Center (IATC) | | Aryan Gupta |
| 7. | Indian Statistical Institute | | Asish Chakrapani G V |
| | | | Ayush Mittal |
| 8. | Hashtag Skills | | Balasubramanyam Evani |
| | | | Ayush Srivastava |
| | | | Karan Yadav |
| | | | Dhruv Kumar Singh |
| 9. | Vedic school of VLSI design | | Bavirishetty Sai Srujan |
| 10. | V Launch Digital | | Curie Gupta |
| 11. | Reliance Jio. | | Divyanshu Saxena |
| 12. | MuffakhumJah College of Engineering & Technology | | Firdous Fatima |
| 13. | 3st Technology Pvt Limited | | Harsh shah |
| 14. | NIIT Technologies | | Harshal Sharma |
| 15. | eInfochips (An Arrow Company) Private Limited | | Himanshu Bansal |
| 16. | Space Application Centre(SAC), ISRO | | Ipshita Sarkar |
| 17. | Flowtech Engineers | | Jerish Chavada |
| 18. | Bharti Airtel Limited | | Kshitij Bhatia |
| 19. | Kruti Techno Engineering Private Limited | | Lakshay Sharma |
| 20. | Tungsten Infrastructure Private Limited | | Mahesh Babu J |
| 21. | PrathamSoftwares. | Manan Gupta | |
| 22. | India Active Software Inc. | MansiTapase | |
| 23. | ST Microelectronics Private Limited | Mayank Kumar Jha | |
| 24. | G K Electrocontrol | Mrigank Bhatnagar | |

| S.No. | Name of the partnering Institution/ Industry /Research Lab | Nature of Linkage | Name of the Participant |
|-------|--|-------------------|-------------------------|
| 25. | Samyak IT Solutions Private Limited | Internship | Mrityunjay Singh Gour |
| 26. | XILIR Technologies Private Limited | | Namit Pandey |
| 27. | PLIX Media (Goswole India LLP | | Neel Kamalgogia |
| 28. | Uttarakhand Power Corporation Ltd. | | Neelotpal Nauriyal |
| 29. | National Institute of Electronics and Information Technology(Nielit) | | Nilaksh Vasudeva |
| 30. | Open Systems International | | Nishant Seth |
| 31. | KAPP-3&4, Nuclous Power Council of India Ltd | | Oorvi Sharma |
| 32. | Siemens | | Parth Pandit |
| 33. | Continental Corporation Private Limited | | Parth Saraswat |
| 34. | Kalasalingam Academy of Research and Education | | Prakash Balasaheb Patil |
| 35. | SR Group of Institutions | | Prakhar Raizada |
| 36. | PILTOVER Technology | | Prakhar Tomar |
| 37. | GSP Electronics Private Limited | | Puru Singh |
| 38. | Forsk Technologies Private Limited | | Rishabh Kohli |
| | | | Rohit Kumar Chaudhary |
| 39. | Rockwell Automation India Private Limited | | Samarth Arora |
| 40. | Ericsson India Global Services Private Limited | | Samarth Mathur |
| 41. | Centre for Development of Advanced Computing | | Sanjana Pathak |
| 42. | PragmaEdge Software Services Private Limited | | Serath Chandra |
| 43. | State Bank of India | | Sharanya Patnaik |
| 44. | Futurewiz in Collaboration with Truechip Solution | | Shreya Upadhyay |
| 45. | Indian Institute of Technology Delhi | | Shreyas S Bharadwaj |
| 46. | Defence Research & Development Organization (DRDO) | | Shubham Yadav |
| 47. | Dixon Technologies (India) Limited | | Sidharth Dhammi |
| 48. | Edynamic | | Sneha Singh |
| 49. | Kavin India Private Limited | | Utkarsh Saraswat |
| 50. | Gyanam Group | | Vineet Bhagat |
| 51. | CMR Infrastructure Private Limited | | Wayam Soni |
| 52. | Prolific Systems & Technologies | | Yash Gupta |
| 53. | Mahindra Telephonics&Integrated Systems | | Yash Tewatia |

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|----------------------------|---|--------------------------|
| Institutional Scholarships | 8 | 19 |

Capability Enhancement and Development schemes

| Name of the capability enhancement scheme | Number of students enrolled | Name of the Agencies involved |
|---|-----------------------------|---------------------------------|
| Ericsson Campus Connect Program for Technical Enhancement of ECE Students | 60 | Ericsson Campus Connect Program |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 42 | 0-3 |
| 2. | 18 | 4-6 |
| 3 | 4 | 6-9 |
| 4. | 4 | 10 and above |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 3 | 4 | 2 | 0 | 0 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Cxam | Name of Institution Joined | Name of programme |
|-------|--|--------------------------|--|--|
| 1. | Japneet Boyal | TOEFL | University of Washington, 1900 Commerce St, Tacoma, WA 98402, USA | Master of Science in Information Management |
| 2. | Maitreya Sengupta | TOEFL, GRE | University of Cincinnati, United States | Master of Engineering in Electrical Engineering |
| 3. | Aditya Bhadauria | GRE, TOEFL | Northeastern University, 360 Huntington Ave, Boston, MA 02115, USA | Science in Cybersecurity |
| 4. | Anubhav Sharma | IELTS | Michael Smurfit Graduate Business School, Blackrock, Co. Dublin, Ireland | Master of Science Business Analytics |
| 5. | Sanjeev Singh | IELTS | Monash University | Master of Business Information Systems |
| 6. | Roopika Sharma | GRE, TOEFL | Arizona State University, USA | Master of Science in Engineering in Electrical Engineering |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| NIL | 2 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|--|-----------------|-------------------------|-------------|
| 1. | Shabab Alam, Vinayak Warikoo, Ayush Ranjan | 1 Dec 2018 | 25 | Interaction |
| 2. | Anurag Khanna | 30 Dec 2018 | 15 | Interaction |



Expert Lecture



Industry Visit

Awards/Recognition of Students

| S.No. | Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-------|--|---|------------------|
| 1. | Pranav Katiyar | 2nd position (runner up) - Duet Dance competition, Ingenuity'18 (Annual culturo-sports fest of NIIT University, Neemrana) | Cultural |
| 2. | Balasubramanyam Evani Ashish Chakrapani Ayush Mittal | Best Poster Award | Cultural |
| 3. | Pranav Mittal | Student achievement technical activit y | Cultural |

INTERNATIONALIZATION

Student Exchange: Incoming or Outgoing

| S. No. | Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|--------|-----------------------|---|-------------------|
| 1. | Varshali Sharma | Iowa State University, USA. | Outgoing |
| 2. | Akash Kalra | The International Association for the Exchange of Students for Technical Experience, Poland | Outgoing |
| 3. | Divij Singh Rajura | The International Association for the Exchange of Students for Technical Experience, Turkey | Outgoing |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees (INR) |
|------------------------------|------------|------------|------------|
| 68 | 841806 | 14 | 67500 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Termcourses etc.)

| S.No. | Name of Teacher s who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|--------------------------------|---|------------------------------|
| 1. | Amit Kumar Garg | FDP on "Computation Techniques in Optics and Photonics" MNIT Jaipur | 20-25 August 2018 |
| 2. | Amit Kumar Garg | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 3. | Amit Kumar Garg | FDP on "Computation Techniques in Optics and Photonics" MNIT Jaipur | 20-25 August 2018 |
| 4. | Ashish Vijay | National One Week Faculty Development Program on "Analytics and Optimization fo r Business and Engineering (AOBE-2019)" from February 25 -March 01, 2019 at Manipal University Jaipur | 25 February – 01 March 2019 |
| 5. | Ashish Vijay | National Symposuiam on Natural Language Processing and Artificial Intelligence' Organized (Mechatronics Manipal University Jaipur) | 17-18 January 2019 |
| 6. | Ashish Vijay | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 7. | Chandra Prakash Gupta | WORKSHOP Computational Electronics and Nano Technology (CENT), Manipal Un iversity Jaipur | 08 – 09 March 2019 |
| 8. | Chusen Duari | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |

| S.No. | Name of Teacher s who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|--------------------------------|--|------------------------------|
| 9. | Chusen Duari | WORKSHOP Computational Electronics and Nano Technology (CENT), Manipal University Jaipur | 08 – 09 March 2019 |
| 10. | Deepika Bansal | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 11. | Dinesh Yadav | 2nd Smart City Symposium at University of Bahrain, Bahrain | 24-26 March 2019 |
| 12. | Lokesh Garg | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE_2019)" from February 25-March 01, 2019 at Manipal University Jaipur | 25 February – 01 March 2019 |
| 13. | Madhuri Sahal | Seminar at New Delhi | 27 February 2019 |
| 14. | Manish Tiwari | 2nd Smart City Symposium at University of Bahrain, Bahrain | 24-26 March 2019 |
| 15. | Mohit Kumar Sharma | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" from February 25 -March 01, 2019 at Manipal University Jaipur | 25 February – 01 March 2019 |
| 16. | Mohit Kumar Sharma | National Symposium on Natural Language Processing and Artificial Intelligence' Organized (Mechatronics Manipal University Jaipur) | 17-18 January 2019 |
| 17. | Mohit Kumar Sharma | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 18. | Neetu | WORKSHOP Computational Electronics and Nano Technology (CENT), Manipal University Jaipur | 8-9 March 2019 |
| 19. | Neha Singh | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 20. | Sanjiv Jaswal | WORKSHOP Computational Electronics and Nano Technology (CENT), Manipal University Jaipur | 08-09 March 2019 |
| 21. | Shilpi Birla | Short term course on "Modeling and Simulation of Nano-Transistors" IIT Kanpur | 21-25 January 2019 |
| 22. | Suddhendu Das Mahapatra | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" from February 25 -March 01, 2019 at Manipal University Jaipur | 25 February-1 March 2019 |
| 23. | Suddhendu Das Mahapatra | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 24. | Tarun Kumar Dubey | National Symposium on Natural Language Processing and Artificial Intelligence' Organized (Mechatronics Manipal University Jaipur) | 17-18 January 2019 |
| 25. | Tarun Kumar Dubey | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 26. | Tarun Kumar Dubey | WORKSHOP Computational Electronics and Nano Technology (CENT), Manipal University Jaipur | 8-9 March 2019 |
| 27. | Tejpal | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 28. | Vishal Das | Symposium on Raising Awareness on Intellectual Property Rights, Manipal University Jaipur | 12 January 2019 |
| 29. | Vishal Das | National Symposium on Natural Language Processing and Artificial Intelligence' Organized (Mechatronics Manipal University Jaipur) | 17-18 January 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| Name of Activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|---|---|--|------------------|
| Society of Photo Optical Instrumentation Engineers (SPIE) | Society of Photo Optical Instrumentation Engineers (SPIE)&Optical Society America | 25 Student of ECE Dept. | 1 October 2018 |



Expert Lecture



SV-TDFS Workshop



Alumni Meet



IEMECON 2019 Workshop

The background of the entire page is a dark blue gradient. Overlaid on this are various architectural blueprints in white lines. The blueprints include circular floor plans with radial lines, rectangular layouts with internal divisions, and sections with hatching. The lines are thin and precise, typical of technical drawings.

Faculty of Design

School of Architecture and Design



School of Architecture and Design

Established : 2012
 Name of Dean : Dr Niti Nipun Sharma
 Name of Director : Dr Madhura Yadav
 Programs :
 1. B.Arch
 2. M.Arch (Landscape Architecture)
 3. PhD.

About the School / Department

The Academic Excellence Award winning School of Architecture & Design (SA&D), Manipal University Jaipur is dedicated to provide world class architectural education. An ambience to inculcate creativity & innovation, state of the art facilities, dedicated and experienced faculty and student-centric academic

practices beyond syllabus are the hallmarks of the school. The quality of life at SA&D is designed to mold the students into professionals with good human values.

SA & D have state of art facilities i.e. climatology lab, construction yard, material museum, LEED lab, photography lab etc.

During academic year 2018-19, the school has offered 43 courses focusing on employability/entrepreneurship/skill development, besides the school has introduced 2 new courses also. The school partnered with 34 institutions / industry for projects and other industry linkages. Following are the details of accomplishments and achievements of the school in academic year 2018-19:

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|----------------------|----------------------|---|----------------|--------------------|
| 1. | Dr Madhura Yadav | Professor & Director | Sustainability in Built Environment, Architecture-Ecology Interface, Community Based Participatory Research | Delhi | 25 |
| 2. | Ar Sunanda Kapoor | Professor & Head | Climate Responsive Architecture, Development of Peri-urban Areas | Punjab | 24 |
| 3. | Dr Siddhartha Koduru | Associate Professors | Energy Sustainability in Built Environment, Micro-generation | West Bengal | 14 |
| 4. | Dr Swati Dutta | Associate Professors | Design Pedagogy, Environmental Planning and Sustainable Urban Design Strategies | West Bengal | 14 |
| 5. | Ar Neha Saxena | Associate Professor | Architectural Conservation | Delhi | 9 |
| 6. | Ar Bibhu K. Nayak | Assistant Professor | Environmental Sustainability and Evolution of Indian Building Forms | Gujarat | 6 |
| 7. | Ar Bineet Chhajer | Assistant Professor | Landscape Architecture, Building Materials & Construction, Services | Delhi | 8 |
| 8. | Ar Anil Kumar | Assistant Professor | Building Engineering and Management | Delhi | 9 |
| 9. | Er. Siddhant Walia | Assistant Professor | Project Management and Building Structures | Maharashtra | 10 |
| 10. | Ar Abhas Verma | Assistant Professor | Architecture and Urban Planning | Delhi | 10 |
| 11. | Ar Akshay Gupta | Assistant Professor | Architecture and Urban Design | Madhya Pradesh | 4 |

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|----------------------------|---------------------|--|--------------------------|--------------------|
| 12. | Ar Mohd. Nauman Nizamuddin | Assistant Professor | Architecture and Hospital Planning | Delhi | 4 |
| 13. | Ar R Pushkala | Assistant Professor | Architecture and Sustainable Design | United States of America | 4 |
| 14. | Ar Raunak Prasad | Assistant Professor | Architecture and Urban Planning | Rajasthan | 3 |
| 15. | Ar Manish Sharma | Assistant Professor | Architecture and Urban and Regional planning | Uttrakhand | 4 |
| 16. | Ar Dhruva Jyoti Padun | Assistant Professor | Architecture | Uttrakhand | 4 |

ACADEMICS

Teachers using Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for Effective Teaching

| Name of Faculty | No. of Courses. |
|--------------------|-----------------|
| Bibhu Kalyan Nayak | 1 |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|-------------------|--|--|------------------|
| 1. | Mr Mohan Shingne | Artist Expert | Scrap to sculpture | 1 October 2018 |
| 2. | Ar Yatin Pandya | Environment Architecture Research Technology Housing (E.A.R.T.H.) | Plenary Talk- International Conference on Waste Management | 1 October 2018 |
| 3. | Ms Almitra Patel | Environment Activist | Plenary Talk- International Conference on Waste Management | 1 October 2018 |
| 4. | Dr Anjali Sharma | Architecture Professional | Plenary Talk- International Conference on Waste Management | 1 October 2018 |
| 5. | Dr Vivekanand | Assistant Professor, Malaviya National Institute of Technology, Jaipur | Plenary Talk- International Conference on Waste Management | 2 October 2018 |
| 6. | Ar Rishabh Wadhwa | Alumni, Manipal University Jaipur | Excellence in Design Dissertation | 1 December 2018 |
| 7. | Dr Chandrashekhar | Professor National University of Singapore (NUS) | Indoor environment conditions in modern buildings | 10 December 2018 |
| 8. | Ar Rajas Phopale | Practicing Architect and Designer | Design Process- Concept and application | 9 March 2019 |
| 9. | Mr Anshuman Karol | Senior Programme Manager Participatory Research in Asia (PRIA) | Community Based Participatory Research | 12 April 2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment/ Software | Total Cost (INR) |
|--------|-----------------|---------------------------------|------------------|
| 1. | CADD Lab | Renewal of Sketch-up software | 186440 |
| | | V-Ray Software plug-in | 163795 |
| 2. | Climatology Lab | Design Builder Software | 208576 |
| 3. | Climatology Lab | Drill Kit | 5955 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications |
|-----------------------------|--------------------------------|
| 1 | 1 |

Awards/Recognition Received from Government or Recognised Bodies:

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------|------------------|-------------------------------|--|-------------------|
| 1. | Dr Madhura Yadav | Education Leadership Award | Dewang Mehta National Educational Awards | 1 July 2019 |
| 2. | Dr Madhura Yadav | Best Presentation Award | IRC, Vancouver | 18 September 2018 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Llinkage | Name of the Participant |
|-------|--|---------------------------|-------------------------|
| 1. | Tushar Sogani Designs Pvt Ltd, Jaipur | Internship | Madhvi Chulet |
| 2. | MSR Engenharia, Rio Grande Do Sul, | | Avanish Singh |
| 3. | INI Design Studio, Ahmedabad, | | Vivek Anilkumar |
| | | | Riya Lodha |
| 4. | Design Core, Surat | | Shreya Kataria |
| 5. | Arch 10 Design Consultants, Gurugram | | Nivedita Chaurasia |
| 6. | Modi Srivastava & Associates, Vadodara | | Anjani Sharma |
| 7. | Arcop Associates Pvt Ltd, New Delhi | | Chirag Kumar |
| | | | Radhika Mangla |
| 8. | Shashi Prabhu and Associates, Mumbai | | Aashi Maloo |
| 9. | Architron Group, Gurugram | | Hardik Gupta |
| 10. | Elements Design Studio, Lucknow | | Varun Mehra |
| 11. | Design Workshop, Rajkot | | Jasani Smit Pankaj |
| 12. | CitySpace'82, Gurugram, | | Raghav Rander |
| 13. | S D Sharma & Associates, Chandigarh | | Tanya Singh Kumar |
| 14. | Mayank Gajjar & Associates, Ahmedabad | | Riya Kasliwal |
| 15. | Ojas Hirani Architects & Engineers, Ahmedabad | | Anushka Goel |
| 16. | CCBA Designs Pvt Ltd, Pune | | Hingane Shweta Santosh |
| 17. | Kapadia Associates Design LLP, Mumbai | Aakriti Sharma | |
| 18. | SWBI Architects, Gurugram, | Kalepalli Sri Sai Vaibhav | |

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Llinkage | Name of the Participant |
|-------|--|--------------------|---------------------------|
| 19. | PDC Archietcts, Ahmedabad | Internship | Saumya Gupta |
| 20. | MA Architects Pvt Ltd, Jaipur | | Ayushi Agarwal |
| 21. | Sthapatya Architects, Jaipur, | | Aayushi Sharma |
| 22. | Hiren Patel Architects, Ahmedabad | | Tejaswini Pandya |
| | | | Tanamay Ojaswi |
| 23. | Behal joshi & Associates, New Delhi | | Snehal Mathur |
| 24. | Atelier D'Architects, Jaipur | | Aman Mathur |
| 25. | Kothari Associates Pvt Ltd, Delhi | | Kriti Kamra |
| 26. | Studio ED, Mumbai | | Ritik Santosh Jain |
| 27. | CIDCO Maharashtra Ltd, Mumbai | | Amough Kaushik |
| | | | Abhishek Rajan |
| 28. | Apurva Amin Architects, Ahmedabad | | Rahul Sonwani |
| 29. | 99 Studio, Ahmedabad | | Aishwary Sharda |
| 30. | Design Forum International, New Delhi | | Nikhar Agarwalla |
| 31. | Sincere Architects Engineers Pvt Ltd, Jaipur | Bhanupriya Bhati | |
| 32. | The Indian Institute of Architects | Affiliation | Ar Sneh Singh |
| 33. | IAESTE MUJ | Student exchange | Cansu Gosterisli |
| | | | Justyna Aleksandra Piasta |
| | | | Aakriti Sharma |
| | | | Sakshi Jaiswal |
| | | | Sanjana Mohalana |



International Conference on waste management

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government Institution/ Manipal University Jaipur

| S. No. | Name of the Scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|---|---|--------------------------|
| 1. | Rajasthan Merit Scholarship | 3 | 3 |
| 2. | TMA Pai Merit Scholarship | 6 | 6 |
| 3. | Scholarship for students of Higher semester | 1 | 1 |
| 4. | Fee waiver/ Scholarship under sports quota | 1 | 1 |

Capability Enhancement and Development schemes

| Name of the capability enhancement scheme | Number of students enrolled | Name of the agencies involved with contact details |
|---|-----------------------------|--|
| Career Counselling Session: Global prospects for architecture graduates | 15 | Ar Meenakshi Nieto, A.A.E, Assistant Vice President, West Coast Aviation Planning, WSP |

Placement of Outgoing Students

| S. No. | No. of Students | Average Package Received (Lakhs) |
|--------|-----------------|----------------------------------|
| 1. | 12 | 0-3 |
| 2. | 39 | 4-6 |
| 3. | 5 | 4-9 |
| 4. | 3 | 10 and above |

Students Progression to Higher Education/ Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| NIL | NIL | 01 | 03 | 05 |



Scrap to Sculpture

| S. No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of programme |
|--------|--|--------------------------|---|---|
| 1. | Ayushi Sharma | GATE-2018 | Centre for Environmental Planning and Technology (CEPT) University, Ahmedabad | Master of Architecture in Architectural Design |
| 2. | Hakim Ali Reza | IELTS | Politecnico Di Milano | Sustainable Architecture And Landscape Design |
| 3. | Ojas Kumar | IELTS | The University of Warwick , UK | Programme and Project Management |
| 4. | Parth Dwivedi | Exam | Savannah College of Art and Design, USA | MA in Design Management |
| 5. | Rahul Menon | GATE-2018 | Manipal Academy of Higher Education, Manipal | Master of Architecture (Urban Design & Development) |
| 6. | Shubham Kaushik | Exam | Deakin University, Australia | Master of Architecture |
| 7. | Soumya Verma | Exam | Sushant School of Design, Guru Gram | M.Des. (Interior Design) |
| 8. | Trisha Bansa | GATE-2018 | Malaviya National Institute of Technology, Jaipur | M. Plan (Urban Planning) |
| 9. | Vinamra Agarwal | Exam | National University of Singapore | Master of Landscape Architecture |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 1 | 3 |

| S. No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|--------|-----------------------------|-----------------|-------------------------|--|
| 1. | Ar Rishabh Wadhwa | 01 Nov 2018 | 42 | Interaction -Excellence in Design Dissertation |
| 2. | All Alumni of Batch 2013-18 | 02 Nov 2018 | 34 | Meeting - Exploring various Career Options |

INTERNATIONALIZATION
Details of the International/NRI students in the Department

| S. No | Name of the Student | Name of the University/ College | Country of Origin |
|-------|---------------------|--|-------------------|
| 1. | Justina | Warsaw University of Technology , Poland | Poland |
| 2. | Chansu | Warsaw University of Technology , Poland | Poland |

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| List the Activities under each MoU | Number of Students/Teachers Participated under MoUs |
|--|---|
| International Conference on Waste Management (supported by INTACH, Jaipur chapter) | 52 |

Student Exchange: Incoming or Outgoing

| S. No | Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|-------|---------------------|--|-------------------|
| 1. | Aashi Maloo | L'ECOLEBLEUE, Global Design, 9/11 rue de la Petite-Pierre, 75011, Paris, France | Outgoing |
| 2. | Saumya Gupta | | |
| 3. | Sakshi Jaiswal | The International Association for the Exchange of Students for Technical Experience (IAESTE) | Outgoing |
| 4. | Sanjana Mohla | | |
| 5. | Aakriti Sharma | | |
| 6. | Avanish Singh | MSR Engenharia, Rio Grande Do Sul, Brazil | Outgoing |
| 7. | Justina | Warsaw University of Technology , Poland | Incoming |
| 8. | Chansu | Warsaw University of Technology , Poland | Incoming |

FACULTY ENGAGEMENT

Professional Development Allowance utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership (INR) | Fees (INR) |
|------------------------------|-------------|------------------|------------|
| 5 | 103969 | 2 | 10000 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from – to) |
|-------|-------------------------------|--|-------------------------------|
| 1. | Dr Madhura Yadav (organizer) | Learn Building Performance Evaluation (BPE)' | 11-13 October 2018 |
| 2. | Ar Sunanda Kapoor | Space is the Machine: Space Syntax Methodology | 12-16 November 2018 |
| | | Learn Building Performance Evaluation (BPE)' | 11-13 October 2018 |
| 3. | Dr Siddhartha Koduru | Learn Building Performance Evaluation (BPE)' | 11-13 October 2018 |
| 4. | Dr Swati Dutta | Learn Building Performance Evaluation (BPE)' | 11-13 October 2018 |
| 5. | Ar Bibhu K. Nayak | Learn Building Performance Evaluation (BPE)' | 11-13 October 2018 |
| 6. | Ar Akshay Gupta | Decentralized Sanitation Systems and Technologies for Madhya Pradesh | 22 December 2018 |
| | | Recent Trends in Urban Sanitation Systems | 17-21 December 2018 |
| 7. | Ar Anil Kumar | Executive Leadership Program | 29 June-1 July 2018 |
| | | Decentralized Sanitation Systems and Technologies for Madhya Pradesh | 22 December 2018 |
| | | Recent Trends in Urban Sanitation Systems | 17-21 December 2018 |



Award Ceremony



Learn BPE Workshop



**School of
Planning & Design**

School of Planning & Design

Established : 2011
Name of Dean : Dr N.N. Sharma
Name of Director : Dr Sampath Kumar P. Jinka
 (from 9 March 2019)
 Dr P K Pandey
 (upto 9 March 2019)

About the School : School of Planning & Design (SP&D) at MUJ is home for the best in-class infrastructure to nurture design education. SP&D aims to foster creativity and innovation for an intellectually satisfying working & learning environment as well as to establish MUJ as a globally preferred destination for students, faculty, researchers and other stakeholders. SP&D constitutes of three departments viz Department of Fashion Design, Department of Applied Arts and Department of Interior Design. The Key features of all the programmes include their multidisciplinary nature

interconnecting them with the fields of spatial Planning, architecture, interior design, fashion design, garment design, history of design, furniture, traditional crafts, animation, cartoon film making, illustration, painting, photography, visualization and ornament designing strategies to name a few. Adequate emphasis has been given to practical approach and research projects, where students have opportunity to achieve hands-on experience. Seminars, conferences, workshops, guest lectures, exhibitions, fashion shows, site visits, and study tours are organized from time to time. Project-based teaching enables students to think creatively and fully integrate their understanding with the market. The curriculum has been designed in line with industry demand & choice based credit system (CBCS) with option of open electives. School of Planning and Design offers M. Planning PG Program, UG Programs and Doctoral Program also.

Department of Fashion Design

About the Departement:

Programs:

1. B. Des. (Fashion Design)
2. PhD

A four year degree program – B.Des offers research and development based market oriented demanding career in the field of fashion. Development of a distinctive qualitative individual style in designing with innovation, understanding of market/client, skill development and

technical know-how are the key points of the program. The highlighting feature is industrial internship opportunities with renowned designers, brands, design & export houses as well as being Entrepreneurs

The department has offers 40 courses focusing on employability/enterpneuership/skill development, besides the department has introduced one new course also. The department has partenered with 20 institutions / industries for internships of students.

Faculty Members in Departmentand their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|----------------------|---------------------|---|---------------|--------------------|
| 1 | Ms Pratibha Mishra | Prof & HOD | Traditional Textiles and crafts, Design Pedagogy, Creative Textiles | Rajasthan | 21 |
| 2 | Dr Deepshikha Sharma | Associate Professor | Textile, Traditional textiles, Research Methods | Rajasthan | 11 |
| 3 | Mr Saurav Sharma | Associate Professor | Communication Design, Fundamentals of Design, Design Thinking | Uttar Pradesh | 11 |
| 4 | Mr Harshwardhan Soni | Associate Professor | Pattern Making, Garment Construction, fashion Illustration, surface ornamentation | Rajasthan | 21 |
| 5 | Ms Megha Kapoor | Associate Professor | Material exploration, Drawing and color study, CAD | Rajasthan | 8 |
| 6 | Mr Mahboob Anwer | Associate Professor | Manufacturing Processes, Pattern Making, Garment Construction, Merchandising | Uttar Pradesh | 21 |

ACADEMICS
Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|------------------|---|------------------|----------------|
| 1. | Mr Yunus Khimani | Artist and Curator, Former Director- City Palace Jaipur | Guest Lecture | 30 Aug 2019 |
| 2. | Mr Akash Kamthan | Communication Designer and co-founder of CRACKERS | Guest Lecture | 26 Aug 2019 |
| 3. | Ms PreetiPugalia | Designer and co-founder of CRAFT BOAT | Guest Lecture | 20 Aug 2019 |
| 4. | Mr Kunal Dutta | Associate Professor UID-Gandhinagar | Guest Lecture | 25-27 Oct 2018 |
| 5. | Mr Anuj Sharma | Designer and Founder of BUTTON MASALA | Guest Lecture | 1 -3 Oct 2018 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|--------------------|-----------------------------|------------------|
| 1. | G C Lab | ArayZigZag Machine | 31136 |
| | | Crock Meter, SDC Grey Scale | 51200 |
| 2. | Pattern Making Lab | Button Whole Machine | 211000 |
| | | Button Whole Machine | |
| | | Feed of Arm | |
| 3. | Material Lab | 8mm Planin Glass | 7316 |
| | | Potter Wheel | 19600 |
| | | Tools for Material Lab | 29671 |
| 4. | Dying & Printing | Block Printing Table | 12980 |

RESEARCH VISIBILITY
Conferences Publications

| Name of Teacher | Title of Paper | Title of the proceedings of the Conference | Name of the Conference | National / International |
|--------------------------------|--|--|---|--------------------------|
| Saurav Sharma, PratiBha Mishra | Phad of The Phad: Reading And Writing Of The Ritual Craft' | ICOAH 2018 | 5th International Conference on Arts and Humanities | International |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S. No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|--------|--|-------------------|------------------------------------|
| 1. | Gini & Joni | Internship | Sidhansha Agarwal & Kritika Misruf |
| 2. | Pepe Jeans | | Sidhansha Agarwal & Akansha Laiker |
| 3. | Ratan Textile | | Shivangi Pogalia & Akansha Laiker |
| 4. | Goyal Fashions | | Sagarika Singhvi |
| 5. | Mishika – A design Studio | | Pooja Acharya |
| 6. | Pawan & Pranav | | Pooja Acharya |
| 7. | Ensemble | | Namita Sharma |
| 8. | Klothing Kraft | | Monika Meharavadia |
| 9. | Suruchi Parakh | | Manisha Soni |

| S. No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|--------|--|-------------------|-------------------------|
| 10. | Wilmor International | Internship | Kamal Khatri |
| 11. | SPM Brands Fashion Pvt. Ltd. | | Ishman Kaur |
| 12. | Rahul Mishra Design Pvt. Ltd. | | Isha Goel |
| 13. | Indigo Design Studio | | Isha Goel |
| 14. | Grey Dot | | Pooja Pareek |
| 15. | Hemant &Nandita | | Harmeet Kaur |
| 16. | Indicot Export | | Kinjal Sharma |
| 17. | Rang – Swati Vijayvargi | | Harmeet Kaur |
| 18. | Future Enterprises Ltd. | | Priyanka Bhandari |
| 19. | Bhrigu International | | Deepshikha Tikkiwal |
| 20. | Nehal Exim | | Akansa Bhargav |

Revenue Generated from Corporate Training by the Institution

| Names of the Teacher-Consultant | Title of the Corporate Training programme | Agency seeking Training | Revenue generated (INR) | Number of Trainees |
|---------------------------------|---|-------------------------------|-------------------------|--------------------|
| Mahboob Anwar | Pattern making Training for pattern master and operator | S.M. International, New Delhi | 50000 | 8 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of students Benefited by Government Scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|-----------------------------|--|---|--------------------------|
| 1. | Rajasthan Merit Scholarship | 03 | - | 03 |
| 2. | TMA Pai Merit Scholarship | - | 05 | 05 |

Placement of Outgoing Students

| No. of Students | Average Package Received (Lakhs) |
|-----------------|----------------------------------|
| 8 | 0-3 |



Fashion Design Educational Trip

Student opted for Higher Studies

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of programme |
|-------|--|--------------------------|----------------------------|---|
| 1. | Ishman Kaur | NA | Pearl Academy, Mumbai | Post Graduate Diploma in Fashion Business (Marketing and Merchandising) |
| 2. | Akanksha Laiker | NA | Amity University, Noida | M. A. (Fashion & Textile Merchandising) |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 2 | 2 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|---------------------|-------------------|-------------------------|--|
| 1. | Harshita Rajput | 2 November 2018 | 20 | Expeirnce about working with Industry |
| 2. | Apurvasingh Kumawat | 2 November 2018 | 20 | Expeirnce about working with Industry |
| 3. | Anila Jain | 23 September 2019 | 20 | Journey from student to an enterprenuer |
| 4. | Sonakshi Meharwal | 20 September 2019 | 17 | Option for doing master after bachaleor's degree |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|------------------------------|-------------|------------|------------|
| 6 | Nil | Nil | 159742 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from-to) |
|-------|-------------------------------|---|-----------------------------|
| 1. | Mr Harshwardhan Soni | “ Leadership, Pedagogic and Personal Effectiveness” | 29 July-2 August 2019 |
| 2. | Ms Megha Kapoor | “ Leadership, Pedagogic and Personal Effectiveness” | 29 July-2 August 2019 |



Educational Trip



Fashion Design Annual Fashion Show

Anuj Sharma Button Masala Workshop

Fashion Design Annual Fashion Show

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of Activity | Number of Dept. students participated in such activities | Date of Activity |
|-------|---|--|------------------|
| 1. | Craft based activities, Games, Interactive sessions | 9 | 12 October 2018 |
| 2. | Craft based activities, Quiz, Stationery Distribution | 10 | 14 November 2018 |

Department of Fine Arts (Applied Art)

Programs Offered:

1. B.F.A bachelor of Fine Arts (Applied Arts)

About the Department:

The department offers B.F.A. - Bachelor of Fine Arts (Applied Art) which is a creative program to serve as an effective educational platform for students to nurture their creative skills. It visualizes to achieve international standards of excellence in education for latest artistic and design trends by training students to attain proficiency as Graphic Designers, Art Directors, Illustrators, Photographers, Visualizers, Animators and Typographers to promote emotional expression, social harmony & appreciation of diversity.

The department provides mentor driven learning

environment by experienced and dedicated faculty, blended with flip classes and peer learning. Students get ample amount of opportunities to explore their creative skills through workshops, guest lectures and live demonstrations. It also arranges study tour annually to make students introspect with art, culture and design at different levels. It annually organizes Annual Art Exhibition named “Kaladarpan” wherein students get opportunity to interact with artists, designers and industry professional by sharing ideas.

During academic year 2018-19, the department offered 24 courses focusing on employability/enterpreunership/skill development. It also partenered with 10 institutions / industries for internship of its students. Other achievements and accomplishments of the department are as follows:

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|-------------------------|---------------------|--|-------------------|--------------------|
| 1 | Dr Anantkumar Ozarkar | HoD and Professor | Illustration | Maharashtra | 25 |
| 2 | Dr Kusum Kanwar | Assistant Professor | Product Design, Material exploration and Package | Rajasthan | 3 |
| 3 | Ms Sherin Mathew | Assistant Professor | Graphic Design | Rajasthan | 3 |
| 4 | Ms Dechen Angmo | Assistant Professor | Graphic Design | Jammu and Kashmir | 2.6 |
| 5 | Ms Vandna Sonkariya | Assistant Professor | Computer Graphic and Publication Design | Delhi | 4.3 |
| 6 | Mr Deepak Singh | Assistant Professor | Drawing and Illustration | Lucknow | 3.5 |
| 7 | Mr Umashankar Prabhakar | Assistant Professor | Videography & Multi Media | Banaras | 0.5 |
| 8 | Ms Aashita Judson | Assistant Professor | Graphic Design & Photography | Rajasthan | 0.5 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses. |
|-------|-------------------------|-----------------|
| 1. | Dr Anant Kumar Ozarkar | 2 |
| 2. | Dr Kusum Kanwar | 2 |
| 3. | Ms Sherin Mathew | 6 |
| 4. | Ms Dechen Angmo | 4 |
| 5. | Ms Vandna Sonkariya | 3 |
| 6. | Mr Deepak Singh | 3 |
| 7. | Mr Umashankar Prabhakar | 3 |
| 8. | Ms Aashita Judson | 2 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--------------------------|--|--|--------------------|
| 1. | Mr Harishankar Balothiya | Calligrapher and Freelance Artist | Calligraphy workshop -To understand the techniques and types of calligraphy with natural and manmade tools. | 23August 2018 |
| 2. | Mr Shrinivas Dudhgaonka | Associate Professor in Banasathali Vidyapith | Manipulation of Imag, Picture and Illustrations for Industry Artworks (with new terminology called as 'Manupullastration') | 8-10 October 2018 |
| 3. | Mr Achyut Pallav | Freelance Commercial Artist and Renowned Calligrapher | Lecture and workshop on Calligraphy | 30-31 October 2018 |
| 4. | Prof Chandrakant Channe | Ex Dean CISFA Nagpur, Adjunct Faculty of Dept. of Fine Arts (Applied Art), MUJ | Lecture and workshop on "Tangent Grids and Creative Layout" | 7-8 March 2019 |
| 5. | Mr L N Parashar | State CIC Head, Rajasthan Editor in DainikBhaskar Jaipur | Workshop on "Printing and Design" | 14 March 2019 |



MoU with Mercury Communications Pvt Ltd, Jaipur



Tangent Grid and Creative Layout Workshop Prof Chandrakant Channe



Lecture and Workshop on Calligraphy by Eminent Calligrapher Mr. Achyut Pallav



Annual Art Exhibition Kaladarpan

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 3 | 0 | 0 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| S. No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|--------|--|-------------------|-------------------------|
| 1. | Future Uday Communications Prvt Ltd, Noida | Internship | Anupriya |
| | | | Himani Sharma |
| 2. | Mindbird Design Studio, Mumbai | | K P Prmya |
| | | | SonalDhadda |
| 3. | CreatFX Studio, Mumbai | | Manan Singh |
| 4. | Avant Garde Films, Mumbai | | PallaviJohari |
| | | | Rashika Jain |
| 5. | Helvetika Advertising Pvt Ltd, Delhi | | PragyaSreekanth |
| 6. | Veera Desai Industrial Estate, Mumbai | | Praveen Tanwar |
| 7. | The Upside Story, Jaipur | | Shelly Jain |
| | | Shipra Gupta | |
| 8. | Pinkcity Advertising, Jaipur | Shikha Agarwal | |
| 9. | Circuit 9 Communications, Bengaluru | Srishti Kumar | |
| 10. | Saintsa & Warriors, Gurugram | Harish Yadav | |
| | | Vikas | |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of students Benefited by Government Scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|---|--|---|--------------------------|
| 1. | TMA Pai Merit Scholarships | NIL | 3 | 3 |
| 2. | TMA Pai Excellence Scholarships | NIL | 1 | 1 |
| 3. | Scholarship for students of Higher Semester | NIL | 1 | 1 |
| 4. | Rajasthan Merit Scholoarships | NIL | 3 | 3 |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 2 | 0-3 |
| 2. | 3 | 4-6 |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 2 | - |

| S.No. | Name of Alumni | Date of Meeting | No. of members attended | Particulars |
|-------|----------------|-----------------|-------------------------|-------------|
| 1. | Tanya Soni | 6 February 2019 | 50 | Lecture |
| 2. | Toshi Medtwal | 20 March 2019 | 56 | Lecture |

Awards/Recognition of Students

| S. No. | Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|--------|-----------------|--|------------------|
| 1. | Kaushal Chauhan | First prize in Photography Competition Maharani College, Jaipur | Cultural |
| 2. | Vidit Mathur | First Positon, Nation cultural festival St. Xaevier College Jaipur, Zest 2018 Participation In ' Ride for Respect' Fox Line United club India Biker Festival | Cultural |
| 3. | Sadia Fatima | 'Second Position' Discuss Throw Annual Sports Festival, Manipal University Jaipur | Sports |

INTERNATIONALIZATION

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| List the Activities under each MoU | Number of Students/Teachers Participated under MoUs |
|------------------------------------|---|
| Internship | 2 |

Student Exchange: Incoming or Outgoing

| Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|---------------------|--|-------------------|
| Anupriya Gharwal | Ecole de bleu, Paris | Outgoing |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops attended | Funds (INR) | Membership (INR) | Fees (INR) |
|---------------------------------------|-------------|------------------|------------|
| 5 | 264253 | - | - |

Awards/Recognition Received from Government or Recognised Bodies:

| Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|------------------------|----------------------------------|---|----------------|
| Dr Anant Kumar Ozarkar | Best Professor in Design Studies | Dewang Mehta National Education Awards | 1 July 2019 |
| Dr Kusum Kanwar | National Pride Award | National Anti-Harassment Foundation and Ek Sakha Social Welfare Society Regt. By Govt. of MP. | 25 August 2019 |



Rajasthan Business Leadership Award



National Pride Award 2019

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| Name of Activity | Organising Unit/ Agency/ Collaborating Agency | Number of Dept. students participated in such activities | Date of Activity |
|---|---|--|---------------------|
| Personality Development through the Art | Government UPS Daburki Dhani | 30 | 15-16 February 2019 |

Department of Interior Design

Programs:

B.Sc (Interior Design)

About the Department: Department of Interior Design was established in 2015 with the objective of providing the students a foundation of knowledge and skills in all the areas of interior design, interior decoration and furniture design. The students are trained under the design verticals like hotels and resorts, housing, retail, institutions, offices, heritage, recreation and hospitals. The course allows the students to become competent professional in this current aggressive market by providing them exposure through field trips, industry visits, hands on experience, live installation sessions, workshops and seminars. Students

learn to use 3D softwares and computer aided drafting softwares which will help them to visualize their ideas and concepts. They also explore interior design from many points of view, giving importance to creative thinking. Faculties are professional designers, architects and artists who are offering their profound knowledge of the respective field. The students are placed in interior design firms, furniture design studios, architecture studios, MNCs & Corporates.

The department offered 24 Courses having focus on Employability/Entrepreneurship/Skill Development and also collaborated with Institute of Indian Interior Design for research and development.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|---------------------|---------------------------|----------------------------------|----------------|--------------------|
| 1. | Ar Sneh Singh | HOD & Associate Professor | Architecture & Industrial Design | Uttar Pradesh | 10.8 |
| 2. | Ar Richa Jagatramka | Assistant Professor | Architecture & Interior Design | Gujrat | 2.8 |
| 3. | Ar Anushri Gaur | Assistant Professor | Architecture | Rajasthan | 3.5 |
| 4. | Ar Heena Ajmera | Assistant Professor | Architecture | Rajasthan | 3.1 |
| 5. | Ar Kush Jee Kamal | Assistant Professor | Architecture | Jharkhand | 4.4 |
| 6. | Ar Sonali Jain | Assistant Professor | Architecture & Urban Interiors | Milan,Italy | 2.4 |
| 7. | Ar Akshita Joshi | Assistant Professor | Architecture & Interior Design | Florence,Italy | 2.8 |

ACADEMICS

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--------------------|--|---|-------------------|
| 1. | Lalithalakshmi P. | Assistant Professor in Poornima University, Jaipur | Workshop-The basics of Sketching | 27 September 2018 |
| 2. | Mr Kalpathy Murali | Marketing & Sales manager, Armstrong Pvt. Ltd. | Sharing research Facilities - Armstrong Ceiling & Acoustics | 26 October 2018 |
| 3. | Mrs Anjali Gupta | Deputy Manager Training-North Region, Hafele India Pvt. Ltd. | Sharing research Facilities and workshop on select right hardware | 2 February 2019 |
| 4. | Dr Mainak Ghosh | Associate Professor in Jadavpur University, Kolkata | Workshop-Design Thinking & Creativity | 7-9 February 2019 |

RESEARCH VISIBILITY

Journal/Conference/Book ChapterPublications(SCOPUS/WoS/UGC) (Refer

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| Nil | 01 | Nil |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|---|--------------------------|--------------------------------|
| Institute of Indian Interior Design | Research Collaboration | Interior Design Department |
| Sutra Design, Jaipur | | Aayushi Pradhan |
| Design Space Consultants, Jaipur | | Anchal Agarwal |
| DIS Architects | | Animesh Maheshwari |
| Design Align, Udaipur | | Anjali Naraniwal |
| Kaleido, Jaipur | | Anshul Rathore |
| Imagination Unlimited, Agra | | Anumita Roy |
| Synergy Design, Jaipur | | Archisha Jindal |
| Cosmos Collection, Jaipur | | Arjit Yadav |
| Nikhil Rai and Associates, Mumbai | | Arzoo Bano |
| Vikrant Pancholi & Associates, Jaipur | | Avin Gangwani |
| R.K. Consultants, Ajmer | | Bhavika Khurana |
| Design Align, Udaipur | | Bhumika Tunwal |
| Holistic Urban Innovations Pvt. Ltd. | | Farah Adiba |
| Vivek Verma Architects, Mumbai | | Harshita Surana |
| Ar. Vikas Jain, Kota | | Indrisha Soni |
| Tushar Sogani Design Pvt. Ltd., Jaipur | Ishika Agarwal | |
| Ace Architects and Associates | Juhika Singh | |
| Picasso India Pvt. Ltd., Delhi | Internship | Khushangi Singhal |
| Sivanta Structures, Bhilwara | | Khushboo Jain |
| Eternity Architects, Delhi | | Muskan Lalwani |
| RK Design Studio, Mumbai | | Muskan Vashisht |
| Design Space Consultants, Jaipur | | Narushi Mathur |
| Sanskriti Architects | | Priyanshi Agarwal |
| Mahesh Punjabi Associates, Mumbai | | Purvi Jain |
| B.G. Associates, Jaipur | | Sejal Luharuka |
| Ar. Manish Tiwari and Ar. Shrey Tiwari, Jaipur | | Shreya Khandelwal |
| AA+ Design Studio, Guwahati, Assam, Ar Pankaj Agarwal | | Sidhi Bajaj |
| Royal Interiors, Mumbai | | Somvendra Kumawat |
| I4 Design | | Suraj Kumawat |
| Droher Architects, Jaipur | | Suvarna Gupta |
| Navin Gandhi, Jaipur | | Tanushee Sarraf |
| Architect Somya Kriti | | Vidhi Nayak |
| Aalyam Design, Jaipur | | Yash Jain & Aviral Tambi |
| Setu Mewada Architects, Ahmedabad | | Yash Jhanwar |
| M/s Sunil Kansara, Bhilwara | | Bhavit Kothari |
| Designwala's Interiors and Architects | | Mahima Choudhary |
| Ojas Hirani Architects & Engineers, Ahmedabad | | Niti Mehta |
| N S Interiors, Mrs. Neelam Mittal | | Tejasvi Sharma |
| Vikas Jain, Space Designer, Jaipur | | Lakshita |
| Space Grid, Jaipur | | Archie Bali |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the Scheme | No. of students Benefited by Government Scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|---|--|---|--------------------------|
| 1. | TMA Pai Merit Scholarship | Nil | 6 | 6 |
| 2. | Rajasthan Merit Scholarship | Nil | 3 | 3 |
| 3. | Scholarships for the wards of single mother | Nil | 1 | 1 |
| 4. | Scholarships of Siblings | Nil | 1 | 1 |

Placement of Outgoing Students

| No. of Students | Average Package Received (Lakhs) |
|-----------------|----------------------------------|
| 11 | 0-3 |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| NIL | NIL | NIL | NIL | 02 |



Hafele Workshop



Study Visit_Stone Mart



ASIDE by IIID



Design Thinking Workshop

| S.No. | Name of Students Enrolling into higher education | Name of Competitive exam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|---|------------------------------|
| 1. | Prateeti Das | Exam | S S Jain Subodh College | MBA |
| 2. | Ishita Jain | Exam | Srishti School of Art Design and Technology | Postgraduate diploma program |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 2 | 2 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|----------------|-----------------|-------------------------|-------------|
| 1. | Mohd. Saif | 1 November 2018 | 20 | Lecture |
| 2. | Karan Gandhi | 1 November 2018 | 20 | Lecture |
| 3. | Shubham Saini | 1 November 2018 | 20 | Meeting |
| 4. | Anamika Swami | 25 March 2019 | 20 | Meeting |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|------------------------------|-------------|------------|------------|
| 4 | 72699 | 6 | 16030 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|--|---|--|------------------|
| 1. | Blood Donation Camp | Rotary Club Jaipur | 2 | 15 November 2018 |
| 2. | Creative development of mental and physical health | Raghukul NGO | 20 | 15 March 2019 |



Guest Lecture by Chinese Architects_Heritage Preservation



Out-reach program

Faculty of Arts & Law



School of Law

Established : 2014

Name of Dean : Dr Mridul Srivastav

Programs:

1. BA-LLB
2. BBA-LLB
3. LLB
4. LLM(Corporate and Commercial Law)
5. LLM(Criminal and Security Law)
6. PhD

Department of Law

About the Department: The Department of Law is instituted with a well-defined vision of imparting legal education and achieving national and international repute in legal education and research. The department offers two integrated programs of law i.e. BALLB and BBA LLB along with 3-year LLB programme. The department also offers Master programme of LLM with specializations in Corporate & Commercial Law and Criminal & Security Law and Ph.D. in law. The department is focused to impart intellectual and ethical values in students which are quintessential in legal profession to foster social change. We aim to expose the students to practical realities of the

profession by providing hands-on training in drafting, pleading, moot courts, mock trials etc. The teaching methods adopted for the programs offered include lectures, discussions, case studies, moot courts, project works, field trips etc. that facilitate students to promote multi-disciplinary enquiry and practical applications of problems. Department of Law offers 37 courses focusing on Employability/ Entrepreneurship/Skill Development, one value added course and 14 new courses Imparting Transferable and Life Skills. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization:

| S. No. | Name | Designation | Specialization | State | Experience (Yrs) |
|--------|-------------------------|-----------------|---------------------------------------|----------------|------------------|
| 1. | Dr Vijay Laxmi Sharma | HOD & Professor | Tort and Crime | Rajasthan | 17 |
| 2. | Dr Sony Kulshreshtha | Associate Prof | Corporate and Mercantile Law | Rajasthan | 10.9 |
| 3. | Dr Sonu Agarwal | Associate Prof | International Law | Rajasthan | 11 |
| 4. | Dr Kuldeep Singh Panwar | Associate Prof | Mercantile Law | Rajasthan | 16.9 |
| 5. | Dr Maryam Beg | Associate Prof | Family Law | Rajasthan | 14 |
| 6. | Dr Shilpa Rao Rastogi | Assistant Prof | Human Rights | Madhya Pradesh | 4 |
| 7. | Dr Sunita Singh Khatana | Assistant Prof | Tort and Crime | Rajasthan | 4 |
| 8. | Dr Mona Mahecha | Assistant Prof | Corporate Law | Rajasthan | 8 |
| 9. | Dr Kiran Raj | Assistant Prof | Mercantile Law | Rajasthan | 5.7 |
| 10. | Nidhi Sharma | Assistant Prof | Constitutional and administrative Law | Madhya Pradesh | 3 |
| 11. | Kanishka Sewak | Assistant Prof | International Trade Law | Italy | 4 |
| 12. | Monika Punia | Assistant Prof | Human Rights | Madhya Pradesh | 1.6 |

| S. No. | Name | Designation | Specialization | State | Experience (Yrs) |
|--------|--------------------|----------------|---------------------------------------|---------------|------------------|
| 13. | Kriti Kaushik | Assistant Prof | Intellectual Property Law | Telangana | 1.3 |
| 14. | Shantanu Pachahara | Assistant Prof | Criminal Law | Rajasthan | 1.3 |
| 15. | Prabhpreet Singh | Assistant Prof | Constitutional and Administrative Law | Punjab | 0.5 |
| 16. | Deepankar Sharma | Assistant Prof | Corporate Law | Rajasthan | 5 |
| 17. | Swati Beniwal | Assistant Prof | International Law | Rajasthan | 1 |
| 18. | Maryanka Singh | Assistant Prof | Corporate Law | Rajasthan | 0.5 |
| 19. | Dolly Singh | Assistant Prof | Corporate Law | Punjab | 2 |
| 20. | Amit Yadav | Assistant Prof | Cyber Crime and Criminal Law | Uttar Pradesh | 6 |
| 21. | Alisha Verma | Assistant Prof | Commercial and Business Law | Rajasthan | 3 |
| 22. | Sushila Choudhary | Assistant Prof | Law and Tort | Rajasthan | 2 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses. |
|-------|-------------------------|-----------------|
| 1. | Dr Sony Kulshrestha | 2 |
| 2. | Dr Kuldeep Singh Panwar | 2 |
| 3. | Kanishka Sewak | 2 |
| 4. | Nidhi Sharma | 2 |
| 5. | Dr Mona Mahecha | 2 |
| 6. | Amit Yadav | 2 |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|-------------------------------|---|--|---------------|
| 1. | Hon'ble Mr Justice A.K. Sikri | Judge of the Supreme Court of India | 4th Manipal Ranka National Moot Court Competition -2018 | 29 Sept 2018 |
| 2. | Satya Prakash Soni | Secretary Legal Service Authority of the District | Inauguration of Legal Aid Clinic at Manipal University Jaipur | 08 Sept 2018 |
| 3. | Mr Pushpendra Singh | Sarpanch, DehmiKalan, Jaipur | Inauguration of Legal Aid Clinic at Manipal University Jaipur | 08 Sept 2018 |
| 4. | Mr Mahendra Kumawat | Retd. Director General of Police | National Seminar on 'Role of Forensic Science and Medical Jurisprudence in Criminal Investigation' | 3-4 Nov 2018 |
| 5. | Justice M.N. Bhandari. | Judge | National Seminar on 'Role of Forensic Science and Medical Jurisprudence in Criminal Investigation' | 3-4 Nov 2018 |
| 6. | Mr V. N. Mathur | Retd. Director, FSL | National Seminar on 'Role of Forensic Science and Medical Jurisprudence in Criminal Investigation' | 3-4 Nov 2018 |

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|-----------------------|--|--|---------------|
| 7. | Dr Dinesh Sethi | Additional Director, FSL, Rajasthan | National Seminar on 'Role of Forensic Science and Medical Jurisprudence in Criminal Investigation' | 3-4 Nov 2018 |
| 8. | Dr C B Sharma. | Retd. India Police Service | National Seminar on 'Role of Forensic Science and Medical Jurisprudence in Criminal Investigation' | 3-4 Nov 2018 |
| 9. | Mr S R Kocher | Medical Jurist, Prof (Head) Forensic Medicine and Chairperson | National Seminar on 'Role of Forensic Science and Medical Jurisprudence in Criminal Investigation' | 3-4 Nov 2018 |
| 10. | Dr Deepali Pathak | Assistant Professor, Department of Forensic Medicine, SMS Jaipur | National Seminar on 'Role of Forensic Science and Medical Jurisprudence in Criminal Investigation' | 3-4 Nov 2018 |
| 11. | Rohit Singhal | Chartered Accountant | Legal Magnifier & Formation of Company and raising of capital | 1 Feb 2019 |
| 12. | Vishal Khandelwal | Chartered Accountant | Legal Magnifier & Formation of Company and raising of capital | 1 Feb 2019 |
| 13. | Devendra Mohan Mathur | Advocate | Dimensions of Consumer Affairs | 2 Feb 2019 |
| 14. | Beena Paareek | Advocate | Dimensions of Consumer Affairs | 2 Feb 2019 |
| 15. | Nitish Bagdi | Advocate | Contemporary Human Rights | 9 Feb 2019 |
| 16. | Madhusudhan | Advocate | Contemporary Human Rights | 9 Feb 2019 |
| 17. | Mr Manoj Meena | Assistant Professor, Dept. of Law, University of Rajasthan, Jaipur | Legal Research Methodology | 15 Feb 2019 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 10 | NIL | 5 |



Mock Parliament



Inauguration of Law Library of Justice G S Singhvi

Book Chapter

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|----------------------------------|--|--|--------------------------|
| 1. | Dr Ajay Kumar Barnwal | Tribal Community; Society literature, Arts and Identity | Socio-cultural identity, displacement and law with special reference to the tribe politics of Jharkhand: A critical Analysis | National |
| 2. | Dr Shilpa Rao Rastogi | A book - collection of articles, Gender and Violence | Marital rape in Indian legal scenario: Where no is not an option | National |
| 3. | Ms Dolly Singh | Appointment of Judges in Higher Judiciary | An Analysis of Judgement Delivered by Justice Madan A. Lokur | National |
| 4. | Ms Dolly Singh | Changing Paradigm of Environment Protection in India | Analysis of Extended Producer Responsibility: E-waste Legal Regime | National |
| 5. | Ms Nidhi Sharma & Kanishka Sewak | Legal Audit-A Compilation of Recent Social -legal Issues in India and Abroad | Right to privacy vis-a-vis Digital Data Protection In India | International |

Ph.D. Awarded

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|-------------------------|-----------------------|---|-------------------------------------|
| 1. | Shilpa Rao Rastogi | Dr Mridul Srivastava | Sexual Orientation and Gender Identity Issues in the Present Legal Scenario: Human Rights Perspective | 2014 |
| 2. | Sunita Singh Khatana | Dr Vijay Laxmi Sharma | Capital Punishment in International Perspective: A Socio-legal Study | 2014 |
| 3. | Kiran Raj | Dr Vijay Laxmi Sharma | Protecting the Innocence of Child: A Study in Legislative and Judicial Trends in India | 2015 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|--|---|--------------------------|
| 1. | TMA Pai Merit Scholarship | 12 | 12 |
| 2. | Rajasthan Merit Scholarship | 4 | 4 |
| 3. | Scholarship for Wards of Single Mother | 1 | 1 |
| 4. | Scholarship for Local Region student | 2 | 2 |
| 5. | Scholarship for Students of Higher Semester | 4 | 4 |
| 6. | Merit Scholarship for Non engineering Students | 5 | 5 |
| 7. | TMA Pai Excellence Scholarship | 2 | 2 |
| 8. | Scholarship under Sports Quota | 1 | 1 |

Capability Enhancement and Development schemes

| S. No. | Name of the Capability Enhancement Scheme | Number Of Students Enrolled | Name of the Agencies |
|--------|--|-----------------------------|--|
| 1. | Moot Court | 347 | Manipal University Jaipur and Ranka Charitable Trust |
| 2. | Soft Skills Development | 250 | Manipal University Jaipur |
| 3. | Pre-placement Training and Grooming Sessions | 250 | Manipal University Jaipur |
| 4. | CV Building Sessions | 250 | Manipal University Jaipur |
| 5. | Legal Language and Legal Drafting Sessions | 250 | Manipal University Jaipur |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 9 | 0-3 |
| 2. | 1 | 4-6 |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations (GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|--|--------------------------|--|-------------------|
| GRE | TOEFL | IELTS | GATE | OTHERS |
| Nil | Nil | Nil | Nil | 5 |
| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of programme |
| 1. | Anubhav Srivastava | Exam | Department of Law Manipal University Jaipur | Ph.D |
| 2. | Lehar Chaudhary | Exam | Department of Law Manipal University Jaipur | Ph.D |
| 3. | Sneha Rathore | Exam | Department of Law Manipal University Jaipur | Ph.D |
| 4. | Abhinav Sharma | Exam | Department of Law Manipal University Jaipur | Ph.D |
| 5. | Pranav Malik | Exam | Westminster College, London, UK | LL.M. |

Alumni Association/Chapters/Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 2 | 3 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|---|------------------|-------------------------|-------------|
| 1. | Hans Honey Khari | 15 November 2018 | 20 | Lecture |
| 2. | Damyanti Kanwar | 9 February 2019 | 20 | Lecture |
| 3. | Debasis Sinha, Hans Honey Khari, Riya Kanwar, Lehar Chaudhary | 6 August 2019 | 5 | Meeting |
| 4. | Debasis Sinha, Hans Honey Khari, Lehar Chaudhary | 1 September 2018 | 4 | Meeting |
| 5. | Debasis Sinha, Hans Honey Khari, Riya Kanwar, Lehar Chaudhary | 3 November 2018 | 5 | Meeting |

Awards/Recognition of Students

| Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-----------------|---|------------------|
| Manini Kaushik | Gold Medal, New world record in the team event of World Women 10 meters Air Rifle shooting championship, in 52nd International Shooting Sports federation (ISSF) world Championship held at Changwon, South Korea | Sports |

INTERNATIONALIZATION

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| List the Activities under each MoU | Number of Students/Teachers Participated under MoUs |
|---------------------------------------|---|
| Ranka National Moot Court Competition | 120 |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) |
|------------------------------|-------------|
| 12 | 303500 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|--|------------------------------|
| 1. | Dr Mona Mahecha | UGC-HRDC 119th Orientation Programme, Punjab University | 16 July -13 August 2018 |
| 2. | Kanishka Sewak | Short Term Training Programme on Inter Disciplinary Research Methodology, ICT Applications and Innovations, VNIT, Nagpur | 20 - 27 May 2019 |
| 3. | Nidhi Sharma | Short Term Training Programme on Inter Disciplinary Research Methodology, ICT Applications and Innovations, VNIT, Nagpur | 20 - 27 May 2019 |
| 4. | Monika Punia | Faculty Development Programme, Sharda University | 15 - 20 July 2019 |
| 5. | Kriti Kaushik | Faculty Development Programme, Sharda University | 15 - 20 July 2019 |
| 6. | Prabhpreet Singh | UGC-HRDC 110th Orientation Programme, Rajasthan University | 3 - 29 June 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organizing Unit/ Agency/ Collaborating Agency | Number Of Dept. Students Participated In Such Activities | Date of Activity |
|-------|--|---|--|----------------------|
| 1. | Legal Awareness Camp | Atal Seva Kendra | 41 | On various Dates |
| 2. | Inauguration of Legal Aid Clinic at MUJ | Manipal University Jaipur | 20-25 | 8 Sept 2018 |
| 3. | Drug Awareness Camp | Laxmi Kumaran and Sridharan Law Firm, New Delhi | 50 | On various Dates |
| 4. | Juvenile Justice Board & Observation Home | Garamshika | 30 | On various Dates |
| 5. | Contemporary Human Rights Workshop | School of Law, MUJ | 120 | On various Dates |
| 6. | Drug Awareness Campaign | Legal Aid Clinic, MUJ | 175 | On various Dates |
| 7. | National Seminar on 'Role of Forensic Science and Medical Jurisprudence in Criminal Investigation' | School of Law, MUJ | 30 | 3 - 4 Nov 2018 |
| 8. | 4th Manipal Ranka National Moot Court competition 2018 | School of Law, MUJ in collaboration with Ranka Charitable Trust | 100 | 29 Sept - 1 Oct 2018 |
| 9. | 5th Manipal Ranka National Moot Court competition 2018 | School of Law, MUJ in collaboration with Ranka Charitable Trust | 120 | 28-30 Sept 2019 |



School of Humanities & Social Sciences

Established : 2011

Name of Dean : Dr Mridul Srivastava

Name of Director : Dr N.D.Mathur

About the School: The School of Humanities and Social Sciences is about living life and the world in an interdisciplinary and intercultural way. MUJ offers a comprehensive choice of possibilities, experiences, and opportunities while maintaining its commitment to small classes, individualized attention, and career preparation.

The rich experience and intellectual diversity of our dedicated faculty, indeed will help you to make life-long choices which shall contribute to the wellbeing of society, nature and own selves.

Programs:

1. B.P.E.S.
2. BA (Lib.Arts)
3. PhD
4. BA Economics (Hons.)

Department of Arts

About the Department: Art is that by which we “articulate” our lives. The Department of Arts, consisting of Philosophy, Physical Education, Liberal Arts, Political Science and Sociology seeks to enhance and effect this articulation in unique and creative ways through its specially designed programs. Department of Arts offers 27 courses with focusing on Employability/Entrepreneurship

/Skill Development, 5 value added courses Imparting Transferable and Life Skills and 10 new courses. The Department partnered with 11 institutions/ industry for projects and other industry linkages. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|--------------------------|----------------------------------|--------------------|----------------|--------------------|
| 1. | Dr Richa Arora | HOD (from 20 May 2019) Professor | English | Rajasthan | 21 |
| 2. | Dr Anthony Savari Raj | HOD (upto 20 May 2019) Professor | Philosophy | Tamil Nadu | 22 |
| 3. | Dr Mani Sachdev | Professor | Philosophy | Rajasthan | 32 |
| 4. | Dr Roshni Babu | Assistant Professor | Philosophy | Maharashtra | 2.8 |
| 5. | Dr Aivonor AMS | Assistant Professor | Philosophy | Karnataka | 0.8 |
| 6. | Dr Manik | Assistant Professor | Philosophy | Maharashtra | 0.8 |
| 7. | Dr Rina Poonia | Associate Professor | Physical Education | Rajasthan | 16 |
| 8. | Dr Pradeep Singh Chhahar | Assistant Professor | Physical Education | Madhya Pradesh | 8 |
| 9. | Mr Jasbir Singh | Assistant Professor | Physical Education | Chandigarh | 6.10 |
| 10. | Dr Radhika Mohan Gupta | Assistant Professor | Political Science | New Delhi | 6.5 |
| 11. | Dr Aditi Priya | Assistant Professor | Political Science | New Delhi | 1.7 |
| 12. | Mrs Chhavi Sharma | Assistant Professor | Sociology | New Delhi | 0.7 |
| 13. | Dr Anjalee Narayan | Assistant Professor | Music | Uttar Pradesh | 1.3 |
| 14. | Dr Sonali Singh | Assistant Professor | Political Science | Uttar Pradesh | 1 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| Name of Faculty | No. of Courses |
|------------------|----------------|
| Prof Richa Arora | 1 |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|------------------------|---|------------------|---------------|
| 1. | Dr B.M. Jain | Retd. Professor, Political Science, RU | Lecture | 20 Nov 2018 |
| 2. | Dr Sonya Sikka | Professor, Philosophy, Ottawa University | Lecture | 26 Feb 2019 |
| 3. | Dr Akash Singh Rathore | Philosopher of International Repote and Author | Lecture | 11 Feb2019 |
| 4. | Dr Madhuri Sadgir | Assist. Prof Physical Education Mumbai University | Lecture | 28 Feb 2019 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 2 | -- | -- |

Seed Money/Endowment funds Granted by University

| Name of the Faculty | Title of Project | Seed Money Amount (INR) |
|---------------------|-------------------------|-------------------------|
| Dr Richa Arora | Empowering Women Period | 100000 |

Research Grants/Projects from external agencies

| Project Name | Principal Investigator and Co-investigator | Funding Agencies | Type (Government/ Non-Government) | Total Grant (INR) |
|--|--|--------------------------------------|-----------------------------------|-------------------|
| Present status and future prospects of checking psychological promoting doping in adolescents, criminalize doping and in house faults: An investigation for collaborative diversify prevention strategies by sport and non-sport organization. | Rina Poonia | Ministry of Youth Affairs and Sports | Government | 900000 |

Awards/Recognition Received from Government or Recognized Bodies

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------|-----------------------|-------------------------------------|--------------------------|------------------|
| 1. | Dr Anthony Savari Raj | ICCR Chair | Government of India | 3 September 2019 |
| 2. | Dr Richa Arora | Indira Parikh Women Achievers Award | World Education Congress | 7 July 2019 |



National Seminar on Physical Education and Sports Science 2019



National Seminar on Physical Education and Sports Science 2019

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkages | Name of the Participant |
|-------|--|--------------------|-------------------------|
| 1. | Local Self govt Department, Govt. of Rajasthan | Internship | Harsh Sharma |
| 2. | Deepshikha Institute for child development and mental health | Internship | Ishani Bhattacharya |
| 3. | FM Tadka Jaipur | Internship | Ishita Sharma |
| 4. | Prayaas Corps | Internship | Mansi Malhotra |
| 5. | Choudhary Jodhram International School | Internship | Mohan Devenda |
| 6. | Gurukripa Furnishing | Internship | Nayan Tilwani |
| 7. | Atraski Travels | Internship | Ritwika Chhajer |
| 8. | Draftcraft International | Internship | Shreya Gajraj |
| 9. | Kidzee Pre School Jaipur | Internship | Vanshita Jain |
| 10. | Shantikunj Shikshan Prasarak Bahuuddeshiya Sanstha | Internship | Mourya Vijay |
| 11. | Hotel Data Inn | Internship | Raghvendra Singh |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur/ Institution

| S. No. | Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|--------------------------------|---|--------------------------|
| 1. | Scholarship for sports persons | 1 | 1 |
| 2. | TMA Pai Scholarship | 1 | 1 |

Awards/Recognition of Students

| Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-----------------|---|------------------|
| Manish Pandey | Selected and represented as a volunteer in 18th Asian Games 2018 Held at Jakarta Indonesia From 11 Aug to 03 Sept. 2018 | Sports |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) |
|------------------------------|------------|
| 7 | 34529 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration(from –to) |
|-------|-------------------------------|--|-----------------------------|
| 1. | Dr Aditi Priya | Democracy, Governance, and Leadership Workshop | 27 January-2 February 2019 |
| 2. | Dr Radhika Mohan Gupta | UGC-HRDC 110th Orientation Program Rajasthan University Jaipur. | 3-29 June 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organising unit/agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|--|--|--|------------------|
| 1. | Voting Awareness Rally | Dept. of Arts | 9 | 24 December 2018 |
| 2. | National Seminar on Physical Education & Sports Science 2019 | Dept. of Arts and DSW | 31 | 1 March 2019 |
| 3. | Sports-Society-Industry Connect 2019 | Dept. of Arts | 31 | 18 April 2019 |

Department of Economics

Programs:

1. B.A(Hons.) Economics
2. PhD

About the Department: The Department of Economics in The School of Humanities and Social Sciences offer programs at Undergraduate and Post graduate level along with PhD programme. The three year BA (Hons.) degree is a mix of pure practical, analytical as well as theoretical Economics. The courses have been developed considering the fact that theoretical knowledge as well as practical skill is needed to enter the industry. The Department of Economics provides a strong foundation in economic theories and principles but with a particular focus on examining their relevance to business and managerial

situations. Students will be asked to analyze the international as well as national economic environment and to assess the impact of external factors on micro and macroeconomic performance and public policy. Department offers one value added course named Community Based Participatory Research Techniques. Along with in depth knowledge in the subject the students are also made accustomed with practical knowledge of computer along with some relevant software in different semesters. Training in communication skills, Research and paper writing are also the part of course module. The Department offers 13 courses focusing on Employability/Entrepreneurship Skill Development, 1 value added course offered imparting transferable and life skills and 11 new courses.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|--------------------|---------------------|------------------------------------|----------------|--------------------|
| 1 | Dr N D Mathur | Professor | Financial Economics, Globalization | Rajasthan | 42 |
| 2. | Dr Shilpi Gupta | Associate Professor | Environmental Economics | Rajasthan | 14.5 |
| 3. | Dr Aparna Makkar | Assistant Professor | Economic History of India | Rajasthan | 14 |
| 4. | Dr Oum Kumari | Assistant Professor | Energy Economics | Rajasthan | 6 |
| 5. | Dr Manas Roy | Assistant Professor | Development Economics | West Bengal | 14 |
| 6. | Dr Monika Mathur | Assistant Professor | Health Economics | Rajasthan | 12 |
| 7. | Dr Poonam Mishra | Assistant Professor | Tourism Economics | Madhya Pradesh | 1 |
| 8. | Ms Varuni Sharma | Assistant Professor | Energy and Sustainable Development | Punjab | 5.5 |
| 9. | Ms Minali Banerjee | Assistant Professor | Higher Education | Rajasthan | 1 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses. |
|-------|--------------------|-----------------|
| 1. | Dr N D Mathur | 1 |
| 2. | Dr Shilpi Gupta | 3 |
| 3. | Dr Oum Kumari | 4 |
| 4. | Dr Manas Roy | 4 |
| 5. | Dr Monika Mathur | 4 |
| 6. | Dr Poonam Mishra | 4 |
| 7. | Ms Varuni Sharma | 4 |
| 8. | Ms Minali Banerjee | 4 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|------------------------------------|--|--------------------|------------------|
| 1. | Ashish Makkar | Senior Business Development officer, The World Bank | Lecture | 24 August 2018 |
| 2. | Manish Kumar Sharma | Chartered Accountant and CEO, Corpsol Business Consultant, Jaipur | Lecture | 30 August 2018 |
| 3. | Manish Kumar Sharma | Chartered Accountant and CEO, Corpsol Business Consultant, Jaipur | Lecture | 10 October 2018 |
| 4. | Dr Anurag Asawa | Associate Professor, Department of Economics, Gokhale Institute of Politics and Economics | Workshop & Lecture | 15 November 2018 |
| 5. | Dr Satish Kumar and Dr Bhawna Arya | Associate Professor, Department of Management, MNIT, Jaipur. Associate Professor, Department of Psychology, Manipal University Jaipur | Workshop | 10 January 2019 |
| 6. | Prof N.D. Mathur | Director, School of Humanities and Social Sciences, Manipal University Jaipur organized by Rajasthan State Productive Council and National Institute of Personnel Management | Lecture | 13 February 2019 |
| 7. | Prof S.C. Sharma | Retired Professor, Texas Tech University, USA | Lecture | 27 February 2019 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 03 | 03 | 02 |

Awards/Recognition Received from Government or Recognized Bodies:

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------|--------------------|-------------------------------|---------------------------------|---------------|
| 1. | Ms Minali Banerjee | Best paper Award | Doctoral Conclave, MNIT, Jaipur | 8-9 Mar 2019 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution

| Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|----------------------------|---|--------------------------|
| Institutional Scholarships | 04 | 04 |



39th Annual Conference of Rajasthan Economic Association



Guest Lecture by SC Sharma

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations (GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| NIL | NIL | NIL | NIL | 4 |

| S.No. | Name of Students Enrolling into Higher Education | Name of Competitive Exam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|------------------------------------|--|
| 1. | Amrit Tripathi | Exam | International Management Institute | PGDM (Post Graduate Diploma in Management) |
| 2. | Bharti Shekhawat | Exam | St. Xavier's college Jaipur | MA (Masters of Arts) Economics |
| 3. | Perkin Kothari | Exam | Manipal University Jaipur | MBA (Masters of Business Administration) |
| 4. | Arpan | Exam | IBS | PGDM (Post Graduate Diploma in Management) |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) |
|------------------------------|-------------|
| 23 | 321602 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from-to) |
|-------|-------------------------------|---|-----------------------------|
| 1. | Dr Monika Mathur | National workshop on Plagiarism, Research, Ethics and Patent. | 20-22 September 2018 |
| 2. | Dr Monika Mathur | ICSD WORKSHOP | 11-12 January 2019 |
| 3. | Dr Oum Kumari R. | Workshop on SEM: Testing Mediation and Moderation Models | 22-24 July 2019 |
| 4. | Dr Manas Roy | National workshop on Plagiarism, Research, Ethics and Patent. | 20-22 September 2018 |
| 5. | Ms Minali Banerjee | Mentors Training Program, Canada | 1 August-23 December 2018 |
| 6. | Dr Poonam Mishra | Workshop on Data Analysis in R. | 2-5 January 2019 |
| 7. | Ms Varuni Sharma | Workshop on Environmental and Sustainable Development: Theory and Methodology for valuation | 11-12 November 2018 |
| 8. | Ms Varuni Sharma | Workshop on Statistical techniques and R software | 11-12 November 2018 |



International Conference on Sustainable Development



Rang De

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|------------------|---|--|------------------|
| 1 | Mid Day meal | Society and You Club, Manipal University Jaipur | 24 | 12 Feb 2019 |
| 2 | Visit to Tilonia | NIL | 24 | 13 Mar 2019 |
| 3. | Rang De | Contree: A civic-tech social startup incubated under Startup Oasis, an initiative of Indian Institute of Management, Ahmedabad. | 30 | 11 Mar 2019 |



Visit to Tilonia

Department of Languages

Programs:

1. BA (Hons) English
2. PhD

About the Department: The Department of Languages at Manipal University Jaipur is committed to the promotion of critical thinking, humanistic values, connectivity amongst cultures and linguistic competence, through its various programmes in the domain of literature and language. It nurtures an international, multi-lingual and interdisciplinary approach towards academics. The faculty members of the department come from diverse and vibrant academic backgrounds, making the department versatile in its approach and function. Special lectures, workshops, and seminars are organized by the Department to ensure updating in the domain for students, research scholars and faculty members. The BA Honours programme in English prepares students to develop and upgrade their language competence, gain training in critical inquiry and debate, and develop their literary sensibility through courses in Literary Criticism, British Literature, American Literature, Indian Writing, Women's writing, Linguistics and Literature of the Indian Diaspora. The Ph. D Programme of the Department of Languages caters to research scholars in English and in

French. Scholars, both regular and part-time, are encouraged to take up cutting-edge researches in socially relevant, interdisciplinary areas of research and in new fields of inquiry. Faculty members are doctoral supervisors on a variety of research topics, drawing on theoretical perspectives ranging from the traditional to the contemporary. The Department of Languages runs a Certificate programme in German and French. German and French courses are taught in different faculties with a view to prepare students for exchange programmes and work opportunities abroad. Another important function of the Department of Languages is to provide modular language skills and training to students enrolled in different programmes. The department is committed to develop professional standards of communication in students across various disciplines. The Department offers 13 courses focusing on Employability/Entrepreneurship Skill Development along with 13 value added course offered imparting transferable and life skills and 6 new courses. The Department partnered with 1 institutions/ industry for projects and other industry linkages. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|-----------------------|--|--|---------------|------------------|
| 1. | Dr Tanuja Yadav | Associate Professor & Head (Languages) | French Literature, Quebec literature, Methodology of teaching French as a foreign language | Rajasthan | 14 |
| 2. | Dr Richa Arora | Professor & Head (Arts) | ELT, British literature, Indian writing in English | Rajasthan | 21 |
| 3. | Dr Priyanka Chaudhary | Associate Professor | Gender Studies, Australian Literature | Rajasthan | 15 |
| 4. | Dr Rabindra Verma | Assistant Professor (Selection Grade) | British Literature, Gender Studies & English Language Teaching | Uttar Pradesh | 7.2 |
| 5. | Dr Yashoda Verma | Assistant Professor (Selection Grade) | African Literature | Rajasthan | 11.2 |
| 6. | Dr Arpit Kothari | Assistant Professor (Selection Grade) | Indian Writings in English, SLA, New Literatures | Haryana | 10.4 |
| 7. | Dr Arun Dev Pareek | Assistant Professor (Senior Scale) | Literature of the Diaspora, Cultural Studies, Indian Writing in English | Rajasthan | 12.10 |
| 8. | Dr Arun Kumar Poonia | Assistant Professor & Assistant Director (Academics) | Applied Linguistics, Media & Cultural Studies, Critical Discourse Analysis | Rajasthan | 3.3 |

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|-------------------|------------------------------------|---|-----------|------------------|
| 9. | Dr Deepa Sarabhai | Assistant Professor | ELT, Cultural Studies, Mythology and Folklore | Rajasthan | 7 |
| 10. | Dr Keshav Nath | Assistant Professor (Senior Scale) | Applied Linguistics, SLA, Transcultural/tribal discourses | Rajasthan | 12 |
| 11. | Dr Neerja Vyas | Assistant Professor | Cinematic studies, Narrative and Genre Studies, Multimodal Text-based interdisciplinary research and cultural studies | Rajasthan | 1.2 |

ACADEMICS

Teachers using Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for Effective Teaching

| S.No. | Name of Faculty | No. of Courses. |
|-------|-----------------------|-----------------|
| 1. | Dr Tanuja Yadav | 2 |
| 2. | Dr Richa Arora | 2 |
| 3. | Dr Priyanka Choudhary | 2 |
| 4. | Dr Rabindra Verma | 2 |
| 5. | Dr Yashoda Verma | 2 |
| 6. | Dr Arpit Kothari | 2 |
| 7. | Dr Arun Dev Pareek | 1 |
| 8. | Dr Arun Kumar Poonia | 2 |
| 9. | Dr Deepa Sarabhai | 1 |
| 10. | Dr Keshav Nath | 2 |
| 11. | Dr Neerja Vyas | 2 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|-----------------------------|---|-------------------------------------|-------------------|
| 1. | Romain Camus | Rennes School of Business, ESIGELEC: An Engineering and Technology University, and Campus France, Embassy of France | To brief about Academic opportunity | 23 August 2018 |
| 2. | Roger T Bell | Retired Professor Linguistics Singapore | Workshop | 14 March 2019 |
| 3. | RanbirSinh | National President IPTA | Expert Talk | 29 September 2018 |
| 4. | Prof Rajul Bhargava | Retired Professor & Head Department of English University of Rajasthan | Expert Talk | 28-29 March 2019 |
| 5. | Professor Santosh Gupta | Retired Professor & Head Department of English University of Rajasthan | Expert Talk | 28-29 March 2019 |
| 6. | Professor HemendraChandalia | Professor and Head, Department from English of MVS College, Udaipur | Expert Talk | 16 July 2019 |
| 7. | Professor Santosh Gupta | Retired Professor & Head Department of English University of Rajasthan | Expert Talk | 22 August 2019 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 10 | 1 | 1 |

Book Chapter

| Name of the Teacher | Title of the Book/ Chapters Published | Title of the Paper | National / International |
|-----------------------------------|---------------------------------------|---|--------------------------|
| Dr Keshav Nath & Dr Yashoda Verma | Diaspora and Transnationalism | Diapora and Transnationalism: Gender, Race and Narratives/Voicing The Unvoiced: Women, Alienation And Trauma In What The Body Remembers | National |

Ph.D.s Awarded

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|-------------------------|---------------------|---|-------------------------------------|
| 1. | Shravan Kumar Khoda | Dr Kusum Sharma | Jagmag Deepjyoti Me Abhivyakt Samajik Avam Sanskritik Chetna (2004 to 2014) | 2014 |
| 2. | Priyanka Yadav | Dr Kusum Sharma | Nagarjun Ke Upanyaso Ka Samalochanatmak Adhyayan | 2015 |
| 3. | Asha Prajapat | Dr Kusum Sharma | Kanhaiyalal Sethiya Ke Kavya Ka Kavyashastriya Adhyayan | 2015 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| Name of the partnering Institution/ Industry /Research lab | Nature of Linkages | Name of the Participant |
|--|------------------------|-------------------------|
| University of Applied Sciences Neustadtswall, Germany | Research Collaboration | NIL |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|------------------------------|---|--------------------------|
| T M A Pai Merit Scholarships | 1 | 1 |



Mr Romain Camus



Workshop by Rodger T Bell

Capability Enhancement and Development schemes

| Name of the capability enhancement scheme | Number of students enrolled | Name of the agencies involved with contact details |
|---|-----------------------------|--|
| Language Lab -Two Times | 28 | In House |

Placement of Outgoing Students

| No. of Students | Average Package Received (Lakhs) |
|-----------------|----------------------------------|
| 1 | 0-3 |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations (GRE/TOEFL/IELTS/GATE)

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|-----------------------------------|--|
| 1. | Ananya Saini | NA | St Xaviers College, Jaipur' | MA English |
| 2. | Pratyush Singh Sisodia | NA | Ambedkar University, Delhi | MA English |
| 3. | Ria Pareek | NA | Royal Global University, Guwahati | MA English |
| 4. | Roshni Paliwal | NA | Aero Heights, Jaipur | Diploma in Travel and Tourism Management |
| 5. | Vedanshi Sethi | NA | St Xaviers College, Jaipur' | MA English |
| 6. | Meghna Sharma | NA | University of Rajasthan, Jaipur | LLB |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| NIL | 3 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|------------------|------------------|-------------------------|-------------|
| 1. | Ayushi Somani | 5 November 2018 | 9 | Meeting |
| 2. | Manish Choudhary | 5 December 2018 | 8 | Meeting |
| 3. | Mohita Tilokani | 27 November 2018 | 8 | Meeting |

INTERNATIONALIZATION

Student Exchange: Incoming or Outgoing

| Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|---|--|-------------------|
| Student Delegation from Lancaster University UK | Lancaster University UK | Incoming |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 20 | 289162 | 3 | 7000 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|--|------------------------------|
| 1. | Dr Keshav Nath | TEQIP sponsored national workshop on technical writing with advanced computer tools: hands-on training | 14-18 May 2019 |
| 2. | Dr Yashoda Verma | TEQIP sponsored national workshop on technical writing with advanced computer tools: hands-on training | 14-18 May 2019 |
| 3. | Dr Rabindra Kumar Verma | Refre sher Course at UGC-HRDC, University of Allahabad, Allahabad | 21 June-7 July 2018 |
| 4. | Dr Rabindra Kumar Verma | Refresher Course at UGC -HRDC, DAVV, Indore, MP | 6 June-19 June 2019 |
| 5. | Dr Arun Kumar Poonia | Orientation Course at UGC -HRDC, University of Rajasthan, Jaipur | 1-28 October 2019 |
| 6. | Dr Priyanka Chaudhary | Orientation Course at UGC -HRDC, University of Rajasthan, Jaipur | 3-29 December 2018 |
| 7. | Dr Yashoda Verma | FDP on Research Methodology, at Manipal University Jaipur, | 16-22 July 2018 |
| 8. | Dr Arpit Kothari | Orientat ion Programme at UGC -HRDC, University of Rajasthan, Jaipur | 3-29 December 2018 |
| 9. | Dr Tanuja Yadav | Refresher Course at UGC -HRDC, University of Rajasthan , Jaipur | 28 January-16 February 2018 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| S.No. | Name of activity | Organizing Unit/ Agency/ Collaborating Agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|---------------------------------------|---|--|------------------|
| 1. | Industrial Visit to Rajasthan Patrika | Rajasthan Patrika | 27 | 8-9 March 2019 |
| 2. | Mother Language day celebration | Languages MUJ | 4 | 21 February 2019 |



Exxtention Activity- Rajasthan Patrika Visit
BA English Students



Mother Language Day celebration organized by
Department of Languages

Department of Psychology

Programs:

1. B.A./BSc Hons Psychology
2. M.A./M.Sc Clinical Psychology
3. PhD

About the Department: The Department of Psychology, Manipal University Jaipur was established in 2012. It offers Under-Graduate, Post-Graduate and Ph.D. programs in Psychology. The department aims to nurture the potential in every student by providing him/her strong foundation in various areas of Psychology. The strong theoretical foundation is complemented with focus on developing applied practical skills in students enabling them to excel at professional and personal levels. A well-equipped laboratory is a very essential part of any psychology department. The department has two well-equipped laboratories for both psychological testing and experimentation. The lab consists of instruments and tests

to study human cognition, intelligence, personality, aptitude attitude, disorders etc. Latest psychological tools like WAIS-IV, MMPI-II, MMCI-III, NEO-PI, Raven's Standard Progressive Matrices, WASI-II, etc. are present in the lab. The psychological apparatus like bio-feedback, memory drum, mirror-drawing apparatus are also available. Regular field visits, workshops and guest lectures are organized to give the varied exposure to the students. The department offers one value added course. The department also organizes various events like 'mental health week' to spread awareness of mental health issues amongst the students of the university. The department has qualified and experienced faculty members. All the faculty members are doctorates from reputed institutions. The Department offers 23 course focusing on Employability/Entrepreneurship and Skill Development courses along with 1 value added courses.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|--------------------|---------------------|---|---------------|------------------|
| 1. | Dr Geetika Tankha | Prof & Head | Clinical Psychology, Environmental Psychology & Positive Psychology | Rajasthan | 21 |
| 2. | Dr V Vineeth Kumar | Associate Professor | Clinical & Applied Social Psychology | Rajasthan | 15 |
| 3. | Dr Bhavana Arya | Associate Professor | Positive Psychology | Uttar Pradesh | 13 |
| 4. | Dr Meenakshi Joshi | Assistant Professor | Applied & Positive Psychology | Rajasthan | 8.6 |
| 5. | Dr Charu Dhankar | Assistant Professor | Clinical & Health Psychology | Rajasthan | 6 |
| 6. | Dr Gargi Sharma | Assistant Professor | Clinical & Positive Psychology | Uttar Pradesh | 7 |
| 7. | Dr Suyesha Singh | Assistant Professor | Counselling Psychology & Clinical Psychology | Rajasthan | 9 |
| 8. | Dr Prashasti Jain | Assistant Professor | Applied Psychology | Rajasthan | 4 |
| 9. | Dr Jyotika Sharma | Assistant Professor | Developmental Psychology | Rajasthan | 1.3 |

ACADEMICS

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|----------------|--|--|----------------------|
| 1. | Ms Kamna Yadav | A RCI (Rehabilitation Council of India) certified practicing Clinical Psychologist with the expertise in projective testing. | Workshop on projective test-TAT for post-graduate students | 21-22 September 2018 |
| 2. | Dr Shiv Gautam | A renowned Psychiatrist, Director, Gautam Hospital, Jaipur | Invited Lecture | 9 October 2018 |
| 3. | Ms Rainu Singh | Executive Director –DISHA - A Resource Center for Disabled, Jaipur | Invited Lecture | 9 October 2018 |

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|----------------------|--|--|---------------------|
| 4. | Ms Shweta Sharma | Rehabilitation Council of India certified practicing Clinical Psychologist. She is presently a Consultant Clinical psychologist at Columbia Asia Hospital, Gurugram. | Workshop on Brain dysfunction testing | 22 November 2018 |
| 5. | Dr Jaishree Jain | A clinical Psychologist with SMS medical college Jaipur psychiatric centre on dealing with mental health patients in a clinical setting. | Interactive session with industry expert | 7 February 2019 |
| 6. | Prof (Dr) B.L. Dubay | A Clinical psychologist (NIMHANS, Bengaluru). Former President of the Somatic Inkblot Society, Alaska, USA Director - Dubai Healing Center, Ohio, USA | Workshop on Somatic Inkblot Test Series | 11-13 February 2019 |
| 7. | Ms Garima | A member of the Autism approach society for the MA/MSc Clinical Psychology students | Guest Lecture | 11 March 2019 |
| 8. | Dr Sunder Kala Negi | An Assistant Professor in the Department of Management & Humanities, NIT -Hamirpur, Himachal Pradesh, India. | Guest Lecture | 29 March 2019 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 4 | Nil | Nil |

Awards/Recognition Received from Government or Recognized Bodies

| Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|------------------|-------------------------------|--|-------------------|
| Dr Charu Dhankar | Best Paper Award | International Institute of Knowledge Management, Sri Lanka | 21 September 2018 |

INDUSTRY CONNECT

Startups Incubated

| Name of the start up | Nature of start up | Contact information of the promoters |
|----------------------|---------------------------|--|
| Howdybuddy | Psychological Counselling | Neha Kangralkar Email: nehakangralkar@gmail.com |



Alumni Visit



Mental Health Week Play

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution

| Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|---------------------------|---|--------------------------|
| Institutional Scholarship | 13 | 13 |

Students Progression to Higher Education/ Percentage of Students Qualifying in State/ National/ International Level Examinations (GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 0 | 0 | 0 | 0 | 8 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of programme |
|-------|--|--------------------------|--|--------------------------|
| 1. | Jaya Madan | UGC-NET Exam | - | - |
| 2. | Garima Khandelwal | NA | Mithibai College, Mumbai | MA Industrial Psychology |
| 3. | Gunjan Jangid | NA | Cadriiff Metropolitan University, UK | MBA |
| 4. | Kanika Khanna | NA | Manipal University Jaipur | MA Clinical Psychology |
| 5. | Saloni Seervi | NA | The IIS University | MA Clinical Psychology |
| 6. | Shubhi Mathur | NA | Manipal University Jaipur | MA Clinical Psychology |
| 7. | Swasti Sharma | NA | Symbiosis Institute o f Arts & Commerce,Pune | MA Clinical Psychology |
| 8. | Aditya Poonia | NA | Manipal University Jaipur | MA Clinical Psychology |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 1 | 6 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|----------------|-------------------|-------------------------|-------------|
| 1. | Avantika Jain | 18 September 2018 | 50 | Lecture |
| 2. | Samriddhi | 20 February 2019 | 6-7 | Meeting |
| 3. | Swena Kalra | 30 January 2019 | 6 | Meeting |
| 4. | Sonia Aggarwal | 2 November 2018 | 9 | Meeting |
| 5. | Swasti Sharma | 2 November 2018 | 9 | Meeting |
| 6. | Vinay Jain | 2 November 2018 | 9 | Meeting |
| 7. | Aditya Poonia | 2 November 2018 | 9 | Meeting |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 4 | 20000 | 1 | 1561 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|---|------------------------------|
| 1. | Dr Geetika Tankha | Somatic -Inkblot Series Workshop | 13 - 16 Feb 2019 |
| 2. | Dr Meenakshi Joshi | | |
| 3. | Dr Prashasti Jain | | |
| 4. | Dr Suyesha Singh | | |



NBRC Visit



Prof Shiv Gautam



Somatic Inkblot Series Workshop

School of Media & Communication

Established: 2012

Name of Dean: Dr Mridul Srivastava

Programs:

1. BAJ&MC
2. MAJ&MC
3. PhD

About the School: The growth of Communication and Media Studies beyond their epistemic and ontological boundaries is internationally acknowledged and explored for establishing a system of democratic global community. For proliferating the same vision among learners, Manipal University Jaipur established the School of Media & Communication in the year 2012. The school provide a scholarly cum creative environment, supported by advance infrastructure, unique integrated curriculum, highly experienced and qualified faculty. SMC endeavors to combine innovative practices and technology with the traditional pedagogue to groom

learners into proficient members of the global community.

About the Department: The department of Journalism and Mass Communication offers a full-fledged undergraduate, postgraduate as well as doctorate program covering all the major areas of Journalism, Communication and Film Studies. The programmes have unique holistic curriculum, placement process, lively co-curricular activities (theatre, dance, music, cinema, literature, debate etc.) and an ambience which encourages students to scale new heights in their areas of interest with a firm root in social sensitivity. The department has well-known industrially skilled and scholars of their specific domain. The faculty also stands for advanced contemporary course in Journalism and Mass Communication. The Department offers 86 courses focusing on Employability/ Entrepreneurship/Skill Development. It also offers 1 value added courses Imparting Transferable and Life Skills and 2 new courses. Following are the details of accomplishments and achievements of the department in academic year 2018-19.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Yrs) |
|------|-------------------------|--------------------------|----------------------|----------------|------------------|
| 1 | Dr Mridul Srivastava | Dean | Law | Rajasthan | 31 |
| 2. | Dr Kushal Kumar | Director | PR | Karnataka | 31.9 |
| 2. | Dr Rayaz Hassan | HoD | Photography and Film | Rajasthan | 21.5 |
| 3. | Dr Subhash Kumar | Associate Professor | Print Media | Bihar | 12.5 |
| 4. | Dr Ramesh Kumar Rawat | Associate Professor | Print Media | Rajasthan | 16.3 |
| 5. | Dr Oinam Bedajit Meitei | Assistant Professor (SS) | Broadcast Media | Mizoram | 5.1 |
| 6. | Dr Moulya Baladi | Assistant Professor (SS) | Communication theory | Karnataka | 13 |
| 7. | Dr Sad Ullah Khan | Assistant Professor | Media Law | Uttar Pradesh | 4.7 |
| 8. | Dr Vaishali Kapoor | Assistant Professor | New media | Rajasthan | 6.7 |
| 9. | Dr Chandana Vemana | Assistant Professor (SS) | Video Production | Andhra Pradesh | 8.4 |
| 10. | Dr Lakhan Raghuvanshi | Assistant Professor | Film Studies | Madhya Pradesh | 4.9 |
| 11. | Dr Vijay Kumar | Assistant Professor | ICT | Bihar | 3.5 |
| 12. | Mr Thanveer Ahmed | Assistant Professor | Print media | Maharashtra | 10.4 |
| 13. | Ms Ambika Bhagat | Assistant Professor | Visual Communication | Uttar Pradesh | 6.3 |
| 14. | Mr RahulBabu Kodali | Assistant Professor | Public Relations | Andhra Pradesh | 7.6 |
| 15. | Mr Sourabh Thiwari | Assistant Professor | Web Media | Bihar | 0.1 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses. |
|-------|--------------------|-----------------|
| 1. | Dr Chandana Vemana | 4 |
| 2. | Dr Oinam Bedajit | 1 |

Details of Guest Visits / Invited Lectures/Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--------------------|--|------------------|-----------------|
| 1. | Ravi Jankal | Actor | Invited Lecture | 18 -19 Nov 2018 |
| 2. | Narendra Gupta | TV Actor | Acting Workshop | 2 -3 Feb 2019 |
| 3. | Arjun | RJ | Interaction | 2 Mar 2019 |
| 4. | Lokendra Khangarot | RJ | Interaction | 2 Mar 2019 |
| 5. | Aman Preet Kaur | Google Cerified Trainer | Workshop | 17 Oct 2018 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|----------------------|--|------------------|
| 1. | Electronic media lab | EC I CLEAN VACUUM CLEANER 1113705384003678 | 11290 |
| 2. | Electronic media lab | TERABYTE VGA CABLE 3 MITRE HIGH SPEED QUALITY (05) | 1000 |
| 3. | Electronic media lab | SANDISK /CAD /EXT PRO SDHC 95MB/SUH (MEMORY CARD 64GB) | 2400 |
| 4. | Electronic media lab | 1.PANASONIC ENALOOP CEE 2550MAH -4PL 2.ENVIE CHARGES ECR11 | 2250 |
| 5. | Electronic media lab | KREIOS PAR VN5P | 197120 |
| 6. | Electronic media lab | 1. LAB EXP.DMX CABLE (200 MTR.) 2.LAB EXP.DMX CANNECTOR (NOS.60) 3.LAB EXP. WOODEN SOCKET BOARD (NOS.1) 4.LAB EXP.16 AMPSOCKETS (60) | 38899 |
| 7. | Electronic media lab | 1.LAB EXP.PILOT 2000 DMX CONTROLLER (NOS.1) 2.LAB EXP.DMX 512 DJ LIGHTING CONTROLLER CANSOLE (NOS.1) 3.LAB EXP8 WAY ISOLATED DMX SPLITTER 3 PIN TO 3 PIN (NOS.2) 4.LAB EXP.TIE BELTS (NOS.10) | 46072 |
| 8. | Electronic media lab | 8GB DDR RAM FOR DESKTOP (NOS.30) | 112218 |
| 9. | Electronic media lab | APPLE MAC MINI DC I5 1.4GHZ (MGEM2HN/A)(NOS.1) | 45525 |
| 10. | Electronic media lab | 1.VIEW SONIC LED VA2419-SH 24" IPS LED (NOS.1) 2.WD MYCLOUD EX2_ULTRA 8TB (NOS.1) | 45430 |

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|----------------------|---|------------------|
| 11. | Electronic media lab | HDMI TO VGA (NOS.30) EQUIPMENTS LOCATION 2AB 105 LAB FOR COMPUTER PURPOSE. | 7500 |
| 12. | Electronic media lab | PCI EXPRESS INNO3D GT1030 2GB GRAPHIC CARD (30 NOS.) | 189390 |
| 13. | Electronic media lab | 1. HDMI CABLE (5M) 2 NO. 2. XLR CABLE (10M) 2 NO. 3. SDI CABLE (30M) 3 NO. | 24131 |
| 14. | Electronic media lab | 1. ATEM TELEVISION STUDIO PRO HD (1 NOS.) 2. BLACKMAGIC WEB PRESENTER (1 NOS.) 3. INTENSITY SHUTTLE FOR USB INTENSITY SHUTTLE FOR USB (1 NOS.) 4. MICRO CONVERTER HDMI TO SDI (4 NOS.) 5. ULTRASTUDIO MINI RECORDER (1 NOS.) | 316358 |
| 15. | Electronic media lab | MANUAL PAPER CUTTER MACHINE HAND OPERATED 202NB 29006 | 59000 |
| 16. | Electronic media lab | SENNHEISER HD-280 PRO CLOSED-BACK STUDIO & DJ HEADPHONES | 8401.25 |
| 17. | Electronic media lab | SANDISK ULTRA DUAL 16GB USB 3.0 OTG PEN DRIVE (3 NOS.) | 1077 |
| 18. | Electronic media lab | 1. POWER CABLE (2 NOS.) HDMI CABLE 3 MITRE (02 NOS.) | 1300 |
| 19. | Electronic media lab | 1. SHURE PGA58LC CARDIOID DYNAMIC VOCAL MICROPHONE WITHOUT CABLE (02 NOS.) 2. SHURE PG57L HANDHELD CARDIOID DYNAMIC MICROPHONE (01 NOS.) 3. RODE MICROPHONES NT1A CONDENSER MICROPHONE BUNDLE (01 NOS.) 4. SAQMSON MK10 LIGHTWEIGHT MICROPHONE BOOM STAND (5 NOS.) 5. FOCUSRITE SCARLETT 2i2 USB 2.0 AWARD WINNING AUDIO INTERFACE (2 nd GENERATION) | 75598.75 |
| 20. | Electronic media lab | AMAZON BASICS USB 2.0 CABLE 3 MITRE (01 NOS.) | 379 |
| 21. | Electronic media lab | BOYA BY MI LAPEL (02 NOS.) | 1720 |
| 22. | Electronic media lab | 5M RG59 COAX COAXIAL CABLE BNC MALE CONNECTOR (02 NOS.) | 2452 |
| 23. | Electronic media lab | GENERIC NB-35 RECORDING STAND BLACK SUSPENSION (02 NOS.) | 770 |
| 24. | Electronic media lab | THEMISTO BASIC MULTIMETER (01 NOS.) | 499 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications (SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 2 | Nil | Nil |

Awards/Recognition Received from Government or Recognized Bodies:

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------|-----------------------|--|--|------------------|
| 1. | Dr Ravi Chaturvedi | Education Leadership Award -Best Professor In Mass Communication Studies | Dewang Mehta National Education Awards | 1 July 2019 |
| 2. | Dr Ramesh Kumar Rawat | Award For Contribution To Media Education | PRCI | 15 February 2019 |
| 3. | Dr Shubhah Kumar | Academician of The Year Award | Vandana Media | 16 April 2019 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|---|---|--------------------------|
| 1. | TMA Pai merit Scholarship | 03 | 03 |
| 2. | Rajastan Merit Scholarship | 03 | 03 |
| 3. | Scholarship for the ward of single mother | 01 | 01 |
| 4. | Scholarship for local region students | 02 | 02 |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 04 | 0-3 |
| 2. | 02 | 3-4 |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations (GRE/TOEFL/IELTS/GATE)

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of programme |
|-------|--|--------------------------|--|-------------------------------------|
| 1. | Anupriya Dhaka | Exam | GD Goenka University, Gurgaon | MA (J&MC) |
| 2. | Asawari Gupta | Exam | Apeejay Institute of Mass Communication, New Delhi | MA (J&MC) |
| 3. | Chitra Rajawat | Exam | Apeejay Institute of Mass Communication, New Delhi | MA (J&MC) |
| 4. | Harshita Gupta | Exam | WeSchool, Mumbai | MA (J&MC) |
| 5. | Navisha Kothari | Exam | School of Broadcasting and Communication, Mumbai | MA in Broadcast Journalism |
| 6. | Nukul Jashoria | Exam | Indian Institute of Mass Communication, New Delhi | PD Diploma in Radio & TV Journalism |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of programme |
|-------|--|--------------------------|--|-------------------|
| 7. | Radhika Agarwal | Exam | SomaiyaVidyavihar, Mumbai | MA (J&MC) |
| 8. | Rahul Gupta | Exam | WeSchool, Mumbai | MA (J&MC) |
| 9. | Seema Janu | Exam | Rajasthan University | MA(PRA) |
| 10. | Shreesh Karnawat | Exam | MIT Arts, Design and Technology University, Pune | MA (J&MC) |
| 11. | Shruti Mishra | Exam | Manipal University Jaipur | LL.B |
| 12. | Yaqut Ali | Exam | Manipal University Jaipur | MA (J&MC) |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 01 | 02 |

| S.No. | Date of meeting | No. of members attended | Particulars |
|-------|-----------------|-------------------------|-------------|
| 1. | 4 November 2018 | 12 | INTERACTION |
| 2. | 5 November 2018 | 16 | INTERACTION |
| 3. | 24 August 2018 | 13 | LECTURE |

INTERNATIONALIZATION

Details of the International/NRI students in the Department

| Name of the Student | Name of the university/college | Country of Origin |
|---------------------|---------------------------------|-------------------|
| Ananditha Sharma | Gems English High School, Dubai | India |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 10 | 194816 | - | - |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Termcourses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-----------------------------------|--|------------------------------|
| 1. | Rayaz Hassan & Dr Saad Ullah Khan | Foundation Course at Chhindwara, M.P. | 7-17 January 2019 |
| 2. | Rayaz Hassan & Dr SaadUllah Khan | Weekend Course on Appreciation of Song Picturisation in Indian Cinema, New Delhi | 15-16 December 2018 |
| 3. | Ms Ambika Bhagat | NPTEL-AICTE FDP–Cultural Studies | July-October 2018 |
| 4. | Dr Saad Ullah Khan | NPTEL-AICTE FDP | July-October 2018 |



**Faculty of
Management & Commerce**

TAPMI School of Business

Established : 2011
 Name of Dean : Dr Sudhendar Hanumantha Rao
 Name of Director : Dr Savitha B. Shelley
 (from 10 July 2019)

Programs:

1. MBA
2. Phd

About the School: TAPMI School of Business at Manipal University Jaipur is one of the best B-Schools emerging in North India. TSB under the mentorship of TAPMI, Manipal blends the best in management education through academic rigor and industry exposure, to create corporate ready managers. We endeavour to create future corporate leaders with excellent conceptual, analytical, technical, human and decision making skills. We have a world class faculty, who have a unique blend of industry and academic experience. The faculty undertakes research to bring cutting edge knowledge to the class room, embedded with practical

overview of management practices. We strive to achieve excellence in management education through 'Learner Centric Learning' by empowering our faculty to administer unique pedagogy tools in collaboration with TAPMI, California State University, Monterey Bay and Global Next University, Malaysia and also through linkages with the corporate world.

TAPMI School of Business, Manipal University, Jaipur gives unmatched emphasis on teaching various courses through joint sessions of academicians and industry leaders of the area, giving students the best of both the worlds. We are indeed proud that the industry has been extremely forthcoming in giving valuable inputs in grooming, mentoring, training and finally placing our students. Our students are well placed in the best of corporates, this has been achieved through our unflinching focus on best practices in management teaching, making it one of the best management institutes in Rajasthan. TAPMI School of Business offers 42 Courses having focus on Employability/Entrepreneurship/ Skill Development, besides the school has introduced 16 new courses.

Faculty Members in Department and their Specialization

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|-----------------------------|---------------------|-------------------------------|-----------------|--------------------|
| 1. | Dr C Anirvinna | Associate Professor | General Management | Andhara Pradesh | 21 |
| 2. | Dr Rachna Gangwar | Associate Professor | Operations | Gujarat | 20 |
| 3. | Dr Deepti Sharma | Assistant Professor | Human Resource | Rajasthan | 13 |
| 4. | Rahul Sharma | Assistant Professor | Finance & Marketing | Rajasthan | 13 |
| 5. | Dr Umesh Solanki | Associate Professor | Finance | Rajasthan | 21 |
| 6. | Dr Sankersan Sarkar | Associate Professor | Finance | Uttar Pradesh | 21 |
| 7. | Dr Deepika Kaur | Assistant Professor | Finance | Uttar Pradesh | 1.25 |
| 8. | Dr Savitha B.Shelley | Professor & HOD | Finance | Karnataka | 14 |
| 9. | Dr Sudhendar Hanumantha Rao | Professor & Dean | Information Systems & Fintech | New York,USA | 24 |
| 10. | Dr Smita Sharma | Assistant Professor | Marketing | Rajsthan | 7 |
| 11. | Dr Aanyaa Chaudhary | Assistant Professor | Human Resource | Rajasthan | 12 |



Mr C.d. Srinivasan, Banking Ombudsman, RBI, Speaker: Management Conclave 2019



Mr Kathi Velan, Ceo, Manipal Hospital Jaipur, Speaker: Management Conclave 2019



Mr Akash Kumar, Senior Vice President, Axis Bank, Speaker: Management Conclave 2019

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| Name of Faculty | No. of Courses. | Name of Faculty | No. of Courses. |
|---------------------------|-----------------|-------------------------|-----------------|
| Dr Nilanjan Chattopadhyay | 2 | Dr Deepti Sharma | 5 |
| Dr Raghuvir Singh | 3 | Mr Rahul Sharma | 4 |
| Dr R.C. Natarajan | 3 | Dr Umesh Solanki | 3 |
| Dr Amit Jain | 3 | Dr Sankersan Sarkar | 6 |
| Dr Samar Sarabhai | 3 | Dr Arun Kumaar Deshmukh | 2 |
| Dr C Anirvinna | 2 | Dr Deepika Kaur | 4 |
| Dr Rachna Gangwar | 3 | | |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|---------------------------|--|---|-------------------------|
| 1. | Mr Pritesh Chothani | Vice President, Times Group | Lecture during orientation Programme | 9 August 18 |
| 2. | Mr Hemant Kumar Guruswamy | CEO Airtel | Lecture during orientation Programme | 9 August 18 |
| 3. | Mr Sanjeev Tulsians | Member of Art of Living | Lecture on Art of Living | 9 August 18 |
| 4. | Mr Ejaz Ahmed | Associate Vice President Station Director Radio Mirchi | Lecture during orientation Programme | 9 August 18 |
| 5. | Prof Nimay Kalyani | Faculty of Business, University of New Castle, Australia | Guest lecture | 27 August 18 |
| 6. | Prof Tony Drew | Faculty of, University of New Castle, Australia | Guest lecture | 27 August 18 |
| 7. | Mr Zuber Alam | Digital Marketing Trainer & Consultant, Sales Trainer and consultant Peoplebridge, New Delhi | Lecture on Digital Marketing | 31 August-24 October 18 |
| 8. | Ms Rama Sateesh Mannapur | Manipal Banking Academy | Placement Training to MBA 2017-19 | 03-5 & 7 September 18 |
| 9. | Mr Rakesh Seth | Director International Consulting Professional Institute (ICPI), New Delhi | Lecture on Self Development & Personal Growth (SDPG) | 02 Sep-12 Oct 18 |
| 10. | Mr Suresh Parewa | DGM RBI Jaipur | Lecture on Financial Statement Analysis & Corporate Valuation | 7 September 18 |
| 11. | Mr Kunal Rahar | Research Officer, Department of ECO Policy & Research RBI | Lecture regarding Fixed Income Securities | 8 September 18 |
| 12. | Mr Mukesh Vyas | Winner Academy of Excellence Jaipur | Mock Interviews with MBA 2017-19 | 10-11 September 18 |
| 13. | Prof Simon George | Dean Academics, TAPMI Manipal | Intro to Case analysis & Lecture regarding PBM | 19 & 21 September 18 |
| 14. | Mr Sanjib Subba | CEO National Banking Institute Nepal | Guest lecture | 29 September 18 |

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|----------------------|--|--|-------------------------------|
| 15. | Mr Ankur Poddar | Head HR, Airtel | Guest lecture | 5 October 18 |
| 16. | Mr Sachin Jain | CA, Sachin K Jain & Co., Chartered Accountants | Guest Lecture on Finacial Modelling | 15-22 October 18 |
| 17. | Mr Lokesh Mansukhani | Head Corporate Communion & Public Relations, KGK Group | Guest lecture | 17 October 18 |
| 18. | Mr Harish Malik | Ex Sr Professional Executive, BOSCH | Guest lecture on Industrial Relations | 12 November 19 December 18 |
| 19. | Mr Satyendra Mishra | Dy. VP Rural Lending, Axis Bank Jaipur | Guest lecture | 26 November 18 |
| 20. | Prof Nimay Kalyani | University of Necastle Australia | Guest lecture | 26 November 18 |
| 21. | Mr Prayan Sharma | Associate Vice President Business Analytics Emirtes Islamic Bank Dubai | Guest lecture | 3 December 18 |
| 22. | Mr Somesh Gupta | CEO, Infosys , Jaipur | Guest lecture | 10 January 19 |
| 23. | Mr Saurabh Bhatia | CEO, Le Capri Market Research LLP, Delhi | Guest lecture on Retail Marketing | 17 & 18 Jan 19 |
| 24. | Mr Purshotam | Supply Chain & Logistics Head (Retd) Bosch Jaipur | Guest lecture on Supply Chain Management | 21 January 19 |
| 25. | Ms Jermina Menon | Vice President, Marketing, Virtuous,Retail Bangalore | Guest Lecture | 31 January 19 |
| 26. | Mr C.D Srinivasan | Banking Ombudsman, Reserve Bank of India | Lecutre during Management Conclave 2019 | 1 February 19 |
| 27. | Ms Nidhi Lauria | CEO, Airtel Rajasthan Circle | Lecutre during Management Conclave 2019 | 1 February 19 |
| 28. | Mr G Karthihaivelan | CEO, Manipal Hospital Jaipur | Lecutre during Management Conclave 2019 | 1 February 19 |



Ms Nidhi Lauria, CEO, Airtel, Rajasthan Circle, Speaker: Management Conclave 2019

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--------------------|---|--|------------------------|
| 29. | Mr Akash Kumar | Senior Vice President, Axix Bank | Lecture during Management Conclave 2019 | 1 February 19 |
| 30. | Ms Jermina Menon, | Vice President, Marketing, Virtuous, Retail Bangalore | Lecture during Management Conclave 2019 | 1 February 19 |
| 31. | Mr Deepak Mehrotra | Head(Fraud Risk), Apollo Munich Health Insurance | Lecture during Management Conclave 2019 | 1 February 19 |
| 32. | Mr Dilnawaz Khan | Founder & Chief Evangelist, Codesign Labs | Lecture during Management Conclave 2019 | 1 February 19 |
| 33. | Mr Somnath Mitra | Senior VP, YES Institute, Gurgaon | Guest lecture on Information Mgt | 23 February-5 April 19 |
| 34. | Mr Dilnawaz Khan | Founder & Chief Evangelist, Codesign Labs | Guest lecture on Entrepreneurship & New Venture Planning | 1 March 19 |
| 35. | Mr Vikas Pareek | Compliance, Law, H.R.M & IR Professional Aviator & Ex Merchant Navy Officer | Guest lecture on Entrepreneurship & New Venture Planning | 6 March 19 |
| 36. | Dr Franco Gandolfi | Dean Management and Deputy VC of the Manipal International University, Malaysia | Guest lecture | 7 March 19 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| S.No. | No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-------|-----------------------------|--------------------------------|--------------------------------|
| 1. | 11 | 1 | NIL |

Ph.D.s Awarded

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|-------------------------|---------------------|--|-------------------------------------|
| 1. | Ms Richa Mishra | Dr Minakshi Joshi | The effect of locus of control and occupational stress on procrastination in managers of Indian steel industry | 2012 |
| 2. | Ms Sunishtha Dhaka | Dr Anupam Krishna | Development of Co-creation Model for Hotel Industry in Jaipur City | 2012 |
| 3. | Ms Shalini Sharma | Dr Sonia Munjal | An Analysis of complaint management system in Indian public and private sector banks | 2012 |
| 4. | Mr Amit Datta | Dr Raghuvir Singh | Organizational climate & its impact on turnover tendency of hotel employees of Y generation | 2014 |
| 5. | Ms Sonal Sharma | Dr Raghuvir Singh | Impact of service failure and recovery on employees performance in banking sector | 2013 |
| 6. | Ms Swati Tiwari | Dr Raghuvir Singh | Effectiveness of performance appraisal system of private banks in Jaipur | 2013 |

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|--------------------------|---------------------|--|-------------------------------------|
| 7. | Ms Aanyaa Chaudhary | Dr Raghuvir Singh | Outcome Based Education in Higher Education Institutions in India: Assessment of Understanding and Application and Measuring Training Impact | 2016 |
| 8. | Ms Harkanchan Singh | Dr Sonia Munjal | Development of a Model of Earthquake Disaster Mitigation for Shimla City | 2012 |
| 8. | Mr Maruti Vitthal Khaire | Prof Raghuvir Singh | Organizational Growth and Sustenance from Breakthrough and Incremental Innovations in Indian Automobile Industry | 2015 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| No. of Partnering Institution/Industry/Research Lab |
|---|
| 24 |

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Llinkage | Name of the Participant |
|-------|--|--------------------|-------------------------|
| 1. | AU Small Finance Bank Ltd | Internship | Akshita Sharma |
| 2. | Adhoc Scientific | Internship | Shivam Sharma |
| 3. | VE Commercial Vehicles | Internship | Anand Aggarwal |
| 4. | Abbott Healthcare Pvt Ltd | Internship | Shubhang Awasthi |
| 5. | IIFCL, Delhi | Internship | Mohit Virmani |
| 6. | Amul | Internship | Parijat Thanki |
| 7. | Aditya Birla Capital | Internship | Chhavi Soni |
| 8. | Olam International | Internship | Surbhi Agarwal |
| 9. | Mahindra & Mahindra Financial Services | Internship | Ritika Badera |
| 10. | Godrej & Boyce Mfg. Co. Ltd | Internship | A. Joe Nella Abhimanya |
| 11. | AU Small Finance Bank Ltd | Internship | Mohit Vaidya |
| 12. | Aditya Birla Capital | Internship | Niresh Solanki |
| 13. | Travel Corporation of India | Internship | Nikhil Lalwani |
| 14. | Aditya Birla Capital | Internship | Chirag Pareek |
| 15. | Bosch Ltd | Internship | Abhinav Parihar |
| 16. | Aditya Birla Capital | Internship | Ishu Tyagi |
| 17. | Goodstay | Internship | Vinita Arya |
| 18. | Metrocity Tiles Private Ltd | Internship | Naresh Choudhary |
| 19. | Goodstay | Internship | Kumar Sundram |
| 20. | JCB Ltd | Internship | Janhvi Saxena |
| 21. | Goodstay | Internship | Mahima Choudhary |
| 22. | Goodstay | Internship | Aman Anand |

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Llinkage | Name of the Participant |
|-------|--|--------------------|-------------------------|
| 23. | IIFCL, Delhi | Internship | Abhipsa Dash |
| 24. | Manipal Hospitals | Internship | Anshul Goyal |
| 25. | Godrej & Boyce Mfg. Co. Ltd | Internship | Utkarsh Pandey |
| 26. | Fareportal India Pvt Ltd | Internship | Abhilash S. Kumar |
| 27. | Mahindra & Mahindra Financial Services | Internship | Deepshikha Wadhwa |
| 28. | Goodstay | Internship | Pooja Khinchi |
| 29. | Volvo Eicher Commerical Vehicles | Internship | Aman Dheer |
| 30. | Aditya Birla Capital | Internship | Vishal Nandwana |
| 31. | AU Small Finance Bank Ltd | Internship | Perkin Kothari |
| 32. | Mahindra & Mahindra Financial Services | Internship | Vivek Gupta |
| 33. | Manipal Hospitals | Internship | Priyanka Kumari |
| 34. | Goodstay | Internship | Rahul Jangir |
| 35. | Toyota Kirloskar Motor India | Internship | M Aditya Kp Varma |
| 36. | Rambagh Palace | Internship | Sonu Khangarot |
| 37. | Fareportal India Pvt Ltd | Internship | Simran Singh Dhankhar |
| 38. | Aditya Birla Capital | Internship | Rishabh Sharma |
| 39. | Goodstay | Internship | Kafiya Farooqui |
| 40. | Bisleri International | Internship | Swapnil Vijay |
| 41. | Abbott Healthcare Pvt Ltd | Internship | Harsh Gupta |
| 42. | Aditya Birla Capital | Internship | Yashweer Singh Rathore |
| 43. | Clearsharp Technology Pvt Ltd | Internship | S. Akash |
| 44. | Goodstay | Internship | Nikita Shekhawat |
| 45. | Goodstay | Internship | Arham Hussain |
| 46. | Ecultify Advertising LLP | Internship | Benjamin Baptist |
| 47. | AU Small Finance Bank Ltd | Internship | Bhavya Bhalla |
| 48. | HealthMap Diagnostics | Internship | Sakshi Sharma |

STUDENT ENGAGEMENT

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 2 | 0-3 |
| 2. | 11 | Above 3-6 |
| 3. | 5 | Above 6-9 |
| 4. | 6 | Above 9 Lakh |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|---|---|
| 2 | 14 |

| S.No. | Name of Alumni | Date of Meeting | No. of members attended | Particulars |
|--------------|------------------------|------------------------|--------------------------------|--------------------|
| 1. | Mr Anmol Mehta | 2 March 2019 | 60 | Meeting |
| 2. | Mr Chirag Giridhar | 2 March 2019 | 60 | Meeting |
| 3. | Garvita | 2 March 2019 | 60 | Meeting |
| 4. | Mr Abhinav Gautam | 2 November 2018 | 90 | Meeting |
| 5. | Mr Bhanu Pratap | 2 November 2018 | 90 | Meeting |
| 6. | Mr Nishak Choudhary | 2 November 2018 | 90 | Meeting |
| 7. | Mr Kanhan Viajy | 2 November 2018 | 90 | Meeting |
| 8. | Vardhaman | 2 November 2018 | 90 | Meeting |
| 9. | Rajeev Karanam | 2 November 2018 | 90 | Meeting |
| 10. | Sinju | 2 November 2018 | 90 | Meeting |
| 11. | Anmol Mehta | 2 November 2018 | 90 | Meeting |
| 12. | Harpreet Kaur | 2 November 2018 | 90 | Meeting |
| 13. | Sandeep | 2 November 2018 | 90 | Meeting |
| 14. | Yashwant Singh Dhillon | 2 November 2018 | 90 | Meeting |
| 15. | Rajeev Karnam | 9 August 2018 | 51 | Lecture |
| 16. | Saurabh Sharma | 9 August 2018 | 51 | Lecture |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|-------------------------------------|--------------------|-------------------|-------------------|
| 7 | 89000 | 2 | 7200 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from – to) |
|--------------|--------------------------------------|--|--------------------------------------|
| 1. | Dr Sankersan Sarkar | One Week Workshop on Advanced Research Analytics | 16-22 July 2018 |
| 2. | Dr Umesh Solanki | | |
| 3. | Dr Deepika Kaur | | |

Department of Hotel Management

Established : 2012
 Name of Dean : Dr Sudhendar Hanumantharao
 Name of HoD : Dr Amit Datta

Programs:

1. BHM (Bachelor of Hotel Management)

About the School:

The School of Hotel Management is characterized by a combination of high standards of teaching and adequate industry exposure, which makes it a perfect choice for undergraduate studies. The school has a strong industry connect resulting in excellent placements in prestigious hotels year after year assistance.

About the Department:

Key features of the Hotel Management department are as follows:

- Hotel Management @ MUJ has the legacy of Manipal group and the locational advantage of Jaipur; which makes it a unique destination for hospitality & tourism education in India.
- The school offers quality education and dedicated faculty with international experience who effectively groom the students for positions of responsibility in the hospitality, tourism and other service sectors.
- Industry experts are invited regularly to share latest

trends in the hospitality industry with the students.

- Modern infrastructure in the form of laboratories, equipment, hospitality software and class rooms are designed to facilitate hands on learning & operational experience.
- The flexible nature of the programmes allows a student to choose courses related to his/her area of interest from a bouquet of open electives offered by other departments of MUJ.
- Field trips, industry visit, organizing events, participating in culinary competitions, industry related projects and many more activities form part of the curriculum to enhance the learning skills of students.
- Apart from a dedicated semester for gaining practical knowledge through Internships, students are sent for short term industrial exposure during each semester.
- Consistent track record of training & placement in India and abroad.
- A research oriented school with several world records to its credit.

Department of Hotel Management offers 54 courses having focus on Employability/Entrepreneurship/Skill Development and introduced one course as value added courses, besides the department has introduced one new course.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|------------------------|---------------------------|--|---------------|--------------------|
| 1. | Prof Manoj Srivastava | Professor | Food Production, Tourism | Rajasthan | 28 |
| 2. | Dr Amit Datta | Associate Professor & HoD | Bakery & Confectionery, Organizational Behaviour | Rajasthan | 19 |
| 3. | Dr Gaurav Bhattacharya | Associate Professor | Food Production, Hospitality Management, Tourism | Rajasthan | 25 |
| 4. | Dr Sonal Karnik | Associate Professor | Food & Beverage Service, Nutrition | Maharashtra | 25 |
| 5. | Ms Shweta Upamanyu | Assistant Professor | Front Office, HRM | Rajasthan | 10 |
| 6. | Mr Deepak Pokhriyal | Assistant Professor | Housekeeping, Tourism | Uttarakhand | 17 |
| 7. | Mr Aravind Kumar Rai | Assistant Professor | Food Production | Uttar Pradesh | 13 |
| 8. | Mr Mukesh Shekhar | Assistant Professor | Food & Beverage Service, Tourism | Uttar Pradesh | 14 |
| 9. | Ms Shama Baa | Assistant Professor | Housekeeping | Uttar Pradesh | 0.6 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S No | Name of Faculty | No. of Courses. |
|------|------------------------|-----------------|
| 1. | Prof Manoj Srivastava | 6 |
| 2. | Dr Amit Datta | 6 |
| 3. | Dr Gaurav Bhattacharya | 8 |
| 4. | Dr Sonal Karnik | 8 |
| 5. | Ms Shweta Upamanyu | 9 |
| 6. | Mr Deepak Pokhriyal | 9 |
| 7. | Mr Aravind Kumar Rai | 10 |
| 8. | Mr Mukesh Shekhar | 10 |
| 9. | Ms Shama Baa | 10 |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--|--|---------------------|-------------------|
| 1. | Mr Ashish Chandra & Ms Priyanka Sharma | Training Executives, The Oberoi Rajvilas, Jaipur | Session in Industry | 19 September 2018 |
| 2. | Mr C.P.Rathore | GM, Chomu Palace, Jaipur | Session in Industry | 6 October 2018 |
| 3. | Mr Prabhu | Akshay Patra, Jaipur | Session in Industry | 5 April 2019 |
| 4. | Ms Barkha Gandhi | HR Manager, Clarks Amer, Jaipur | Session in Industry | 15 January 2019 |
| 5. | H.K. Assistant | H.K. Assistant , Good Host Spaces | Session by E xpert | 16 January 2019 |
| 6. | Mr Akshay Singh | F& B Associate, The Oberoi, Bangalore | Session by Expert | 1 November 2018 |
| 7. | Mr Bhavik Sharma | F.O Assistant, Courtyard by marriott, Mumbai | Session by Expert | 1 November 2018 |
| 8. | Mr Pulkit Marwaha | The Trident, Jaipur | Session by Expert | 31 October 2018 |
| 9. | Mr Devansh Garg | Eco Cement, Kanpur | Session by Expert | 31 October 2018 |
| 10. | Col. Rajender Singh | Terrier Security Services, MUJ | Session by Expert | 24 October 2018 |
| 11. | Ms Sharwari Bhadsavle | Good Host Spaces | Session by Expert | 31January 2019 |

Investment for Infrastructure/Lab Augmentation

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|----------------------------|---|------------------|
| 1. | Training Restaurant | Linen Items for F&B | 64604 |
| 2. | Front Office Lab | IDS Next (Front Office) Software: 20 unit | 80000 |
| 3. | Basic Training Kitchen | Kitchen equipment, utensils and tools | 68188 |
| 4. | Bakery & Confectionery Lab | Bakery & Pastry utensils and tools | 44068 |
| 5. | Training Restaurant | Crockeries, Cutleries and display items | 93832 |



Industry Visit

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 01 | 03 | Nil |

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students

| Title of the innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/ Research Scholar/Student |
|-------------------------|-----------------------|-----------------------------|--|
| Heaviest Shahi Tukra | Prof Manoj Srivastava | Limca Book of Records | Teacher |

Awards/Recognition Received from Government or Recognised Bodie

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------|-----------------------|-------------------------------|------------------------------|---------------|
| 1. | Prof Manoj Srivastava | Global Education Ambassador | MTC Global, World Edu Summit | 2018 |
| 2. | Mr Deepak Pokhriyal | UGC -NET | UGC -NET | 2018 |

Ph.D.s Awarded

| Name of the PhD scholar | Name of the guide/s | Title of the Thesis | Year of registration of the scholar |
|-------------------------|---------------------|---|-------------------------------------|
| Amit Datta | Dr Raghuvir Singh | Organizational climate and its impact on turnover tendency of hotel employees of Y-generation | 2014 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| No. of Partnering Institution/Industry/Research Lab |
|---|
| 03 |

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Llinkage | Name of the Participant |
|-------|--|--|--|
| 1. | Good Host Spaces Pvt. Ltd. | MoU: Internship, Guest Lecture, Indusry Visits | Jai Jain, Vrinda Jalan, Aayush Sharma, Laxmi Varun, Deeksha Poddar Guest Lecture: 47 students |
| 2. | ICHM Adelaide, Australia | MoU: Student Exchange, Guest Lecture, Research Collaboration | Guest Lecture: 42 students |
| 3. | Hotel Clarks Amer Jaipur | MoU: Internship, Guest Lecture, Indusry Visits | Industry Visit: Internship: Varsha Shivnani, Ajay Kumar Sharma |



Industry Visit

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| Name of the scheme | No. of students Benefited by Government Scheme | No. of Students Benefited by Non -Government Schemes | Total Number of Students |
|--------------------|--|--|--------------------------|
| MUJ Scholarships | - | 08 | 08 |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 14 | 0-3 |
| 2. | 1 | 4-6 |

Students Progression to Higher Education/ Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| Nil | Nil | Nil | Nil | 02 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|--------------------------------|---|
| 1. | Shaurya Malik | Entrance Test | HTMi Switzerland | MBA in Hospitality Management |
| 2. | Shaan Khanuja | Entrance Test | Birmingham City University, UK | Master of Science Management and International Business |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 04 | Nil |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|----------------|-----------------|-------------------------|---|
| 1. | Pulkit Marwaha | 31-10-2018 | 30 | Operations of Front Office Department and its sections |
| 2. | Devansh Garg | 31-10-2018 | 30 | Developing Leadership Qualities by organizing Cultural Events |
| 3. | Akshay Rathore | 01-11-2018 | 30 | Competencies required for F&B personnels |
| 4. | Bhavik Sharma | 01-11-2018 | 30 | Essentials of choosing right hotel for Internship |

Awards/Recognition of Students

| Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-------------------|--------------------------|------------------------|
| Ajay Kumar Sharma | Silver Medal in Kabaddi | MUJ Annual Sports Fest |

INTERNATIONALIZATION

Functional MoUs with institutions of national, international importance, other universities, industries, Corporate houses etc.

| S. No. | List the Activities under each MoU | Number of Teachers Participated under MoUs | Number of Students Participated under MoUs |
|--------|--|--|--|
| 1. | Guest Lecture on 16th Nov 2018 (ICHM-Australia) | Nil | 42 |
| 2. | Guest Lecture on 31st Jan 2019 (GoodHost Spaces) | 3 | 32 |
| 3. | Internship at GoodHost Spaces | Nil | 5 |
| 4. | Workshop at Clarks Amer Jaipur on 15th Jan 2019 | 3 | 26 |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|------------------------------|-------------|------------|------------|
| 11 | 253350 | 03 | 15000 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from -to) |
|-------|-------------------------------|---|------------------------------|
| 1. | Ms Shweta Upamanyu | Faculty Development Program, IIM Shillong | 21 May-2 June 2018 |
| 2. | Deepak Pokhriyal | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019) | 25 February-1 March 2019 |
| 3. | Manoj Srivastava | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019) | 25 February-1 March 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|------------------|--|--|------------------|
| Outreach Program | School of Hotel Management, Epicurion Club (MUJ) and CHAHAT Women Welfare Foundation | 30 | 6 February 2019 |



Labs, Industrial Visit, Practical of Hotel Management

School of Business and Commerce

Established: 2012

Name of Dean: Dr Sudhendar Hanumantharao

Name of Director: Dr M. L. Vadera

About the School: The School of Business & Commerce fosters excellence in teaching graduate and post graduate in Business and Commerce. The School has two departments:

- Department of Business Administration and Department of Commerce. The School prides of having national level faculty and on the latest developments. Faculty members have a proven track record of research and publications in the fields of Commerce, Accountancy, Finance, Entrepreneurship, Marketing, Human Resources, Values–Ethics-Governance, Economics and allied subjects.

Department of Business Administration

Programs:

1. Bachelor of Business Administration (BBA)
2. PhD

About the Department: The 3-year BBA program of Manipal University Jaipur imparts fundamental knowledge of business and management principles to the students. The program typically allows students to specialize in one of multiple concentration areas, including Finance and Banking, Sales and Marketing, Accounting and Taxation and People Management. It also offers practical management training that can prepare students to successfully work within a large

or small organization in India and abroad. Activities like industrial visit, in-depth study of Indian business houses, quizzes, and summer training are part of the BBA Programme. Besides this, various other co-curricular activities are also organized for the complete transformation of the students' personality. Programme emphasizes the development of communications, quantitative reasoning, and business analysis skills. Department of Business Administration offers 44 Courses having focus on Employability/Entrepreneurship/Skill Development and introduced 2 value added courses, besides the department has introduced 33 new courses also.

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|-------------------------------|-------------------------------------|-------------------------------------|-------------|--------------------|
| 1. | Dr Suhasini Verma | Associate Professor & Head | Finance | Rajasthan | 12 |
| 2. | Dr T K Jain | Professor | Social Entrepreneurship | Gujrat | 30 |
| 3. | Dr Manvinder Singh Pahwa | Associate Professor, Senior Scale | Finance, Law, Research | Rajasthan | 20 |
| 4. | Dr R.K. Tailor | Associate Professor | Accounting & Taxation | Rajasthan | 15 |
| 5. | Dr Birajit Mohanty | Associate Professor | Finance & Accounting | Orissa | 19 |
| 6. | Dr Bhawna Chahar | Associate Professor | Human Resource, General Management | Uttarakhand | 14 |
| 7. | Dr Ity Patni | Associate Professor | Finance & Accounting | Rajasthan | 10 |
| 8. | Dr Nupur Ojha | Assistant Professor Selection Grade | Accounting & Finance | Rajasthan | 15 |
| 9. | Dr Narender Singh Bhati | Assistant Professor Selection Grade | Marketing & Quantitative Techniques | Rajasthan | 11 |
| 10. | Dr Archana Poonia | Assistant Professor | Human Resource, General Management | New Delhi | 11 |
| 11. | Dr Jampala Maheshchandra Babu | Assistant Professor Senior Scale | General Management | Rajasthan | 7.5 |

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|---------------------|---------------------|----------------------|-----------|--------------------|
| 12 | Dr Anuradha Agarwal | Assistant Professor | Marketing | Rajasthan | 5 |
| 13 | Dr Sunishtha Dhaka | Assistant Professor | Marketing | Rajasthan | 6.2 |
| 14 | Dr Sonal Sidana | Assistant Professor | General Management | Rajasthan | 0.3 |
| 15 | Ms Nishu Gupta | Assistant Professor | Finance & Accounting | Rajasthan | 10.1 |
| 16 | Ms Sonali Sharma | Assistant Professor | Marketing | Rajasthan | 6.9 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses |
|-------|-------------------------------|----------------|
| 1. | Dr Jampala Maheshchandra Babu | 6 |
| 2. | Dr. Suhasini Verma | 1 |
| 3. | Dr. Manvinder Singh Pahwa | 2 |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief Profile of the visitor | Purpose of Visit | Date of Visit |
|--------|---|---|------------------|------------------|
| 1. | Mr Somesh Gupta | Head -Infosys Center | Guest Lecture | 12 January 2018 |
| 2. | Mr Pranay Sharma | Head -Unit of Islamic Emeritus Islamic Bank Dubai | Guest Lecture | 1 December 2018 |
| 3. | Mr Prashant Sipani | Practicing CA | Guest Lecture | 29 March 2019 |
| 4. | Mr Rahul Agarwal, Mr Vikram Singh Nathawat Mr Bhuvnesh Sain | Institute of Financial Literacy & National Stock Exchange | Guest Lecture | 24 August 2018 |
| 5. | Mr Manish Choudhary | Tally Education | Guest Lecture | 5 September 2018 |
| 6. | Mr Samax Rana Jain | Deutsche Bank | Guest Lecture | 30 March 2019 |
| 7. | Mr Aplav Saxena | Avsar Ventures | Guest Lecture | 28 March 2019 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 27 | 5 | 2 |

Book Chapters

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National/ International |
|--------|-------------------------|--------------------------------------|---|-------------------------|
| 1. | Dr Nupur Ojha | Financial Frauds and Scams in India | NPAs in Indian Banks, Casues, Impact and Reforms | National |
| 2. | Dr Narendra Singh Bhati | Financial Frauds and Scams in India | Financial Frauds in Indian Banking Sector: Role of E-Commerce | National |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of Students Benefited by Non - Government Schemes | Total Number of Students |
|--------|---|---|--------------------------|
| 1. | TMA PAI Merit Scholarships | 8 | 8 |
| 2. | Rajasthan Merit Scholarship | 1 | 1 |
| 3. | Scholarship for the Ward of Single Mother | 1 | 1 |
| 4. | Differently Abled Scholarship | 1 | 1 |
| 5. | Lateral Entry | 1 | 1 |
| 6. | Seat Reservation for Local Region | 1 | 1 |
| 7. | Fee Waiver Scholarship under Sports Quota | 1 | 1 |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 14 | 0-3 |
| 2. | 3 | 4-6 |



Department of Business Administration



Department of Commerce



All India Accounting Conference & international on Accounting Education and Research

Students Progression to Higher Education/ Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|---|--------------|--------------|-------------|------------------------|
| GRE | TOEFL | IELTS | GATE | OTHER (CAT/MAT) |
| NIL | 6 | 3 | NIL | 41 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of Programme |
|--------------|---|---------------------------------|---|---|
| 1. | Abdul Zahid Kagzi | TOFEL | Middlesex University London | MA in International Business |
| 2. | Abhishek Janu | TOFEL | National College of Ireland | Msc in Management |
| 3. | Abhishek Shukla | Exam | Amity Business School, NOIDA | MBA |
| 4. | Aditi Panwar | MAT | International School of Business and Media | PGDM |
| 5. | Akshat Agarwal | Exam | IBMR Group of Institutions | MBA |
| 6. | Akshit Agarwal | CAT & MAT | Jaipuria Institute of Management | PGDM |
| 7. | Anupal Tappo | SET | Symbiosis Centre for Information Technology | MBA |
| 8. | Asif Chouhan | CAT | Christ University | MBA |
| 9. | Chaitanya Sharma | IELTS | University of South Australia | International Master of Business Administration |
| 10. | Deependra Singh Shekhawat | Exam | LBSIM, Delhi | PGDM |
| 11. | Deepshikha Wadhwa | Exam | Tapmi, MUJ | MBA |
| 12. | Diksha Sahu | CAT | IIIM Jaipur | MBA |
| 13. | Dushyant Singh Rathore | CAT | IIHMR | MBA Rural Management |
| 14. | Gaurav Kumar | IELTS | University of Greenwich | MBA in International Business |
| 15. | Harsh Choudhary | Exam | MIT World Peace University | MBA |
| 16. | Harshad Khatri | Exam | IIIM, Jaipur | MBA |
| 17. | Hemant Tanwar | IELTS | National College of Ireland | Msc in Management |
| 18. | Jatin Grotra | CAT | New Delhi Institute of Management | PGDM |
| 19. | Jhanvi Saxena | Exam | Tapmi, MUJ | MBA |
| 20. | Jitendra Choudhary | TOFEL | Queen Mary University of London | MIB |
| 21. | Kanak Khandelwal | IB-SAT | IBS Mumbai | PGPM |
| 22. | Kavita Choudhary | Exam | Strathclyde Business School | MSc |
| 23. | Krishna Sharma | CAT | IBS, Hyderabad | MBA |
| 24. | Madhulika Singh | Exam | Skema Business School | MSc |
| 25. | Muskan Jain | CAT | NIRMA University | MBA |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of Programme |
|-------|--|--------------------------|--|-------------------|
| 26. | Niharika Mathur | NMAT | IMI, Kolkata | PGDM |
| 27. | Nikita Agarwal | IBSAT | IBS Mumbai | MBA |
| 28. | Nitin Chalana | Exam | Amity university | MBA |
| 29. | Nitin Sen | Exam | JNU, Jaipur | MBA |
| 30. | Priyadarshani | TOFEL | University of New South Wales | MIB |
| 31. | Raghav Khandelwal | CAT | NIRMA University | MBA |
| 32. | Rahul Gupta | Exam | Jaypee Insitute of Information Technology | MBA |
| 33. | Riya Mehrotra | Exam | Indo French Cultural Center | French |
| 34. | Saloni Gupta | Exam | IBS Mumbai | MBA |
| 35. | Saloni Pokharana | Exam | IBS Hyderabad | MBA |
| 36. | Samarth Jain | Exam | Christ University | MBAD |
| 37. | Shantanu Pandey | TOFEL | Cape Breton University | MBA |
| 38. | Shubham Sharma | MAT | Presidency, Banglore | MBA |
| 39. | Shudhanshu Mittal | Exam | SP Jain School of Global Management | MBA |
| 40. | Sidardth | Exam | Lambton College of Applied Arts and Technology | MBA |
| 41. | Sonu Khangarot | Exam | Tapmi, MUJ | MBA |
| 42. | Sunita Chaudhary | TOFEL | Strathclyde Business School, Glasgow | MSc |
| 43. | Utsav Jha | Exam | Skema Business School | MSc |
| 44. | Vedant Sharma | Exam | IBS Hyderabad | MBA |
| 45. | Vedant Tater | Exam | Skema Business School | MSc |
| 46. | Vinay Varjani | Exam | Victoria University | MBA |
| 47. | Vishal Shankar Yadav | Exam | Universal Business School | PGDM |
| 48. | Yash Jain | Exam | Skema Business School | MSc |
| 49. | Yashwani Sopra | Exam | IBS Mumbai | MBA |
| 50. | Yuvika Pareek | Exam | Jaypee Insitute of Information Technology | MBA |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 0 | 1 |

| Name of Alumni | Date of meeting | No. of members attended | Particulars |
|---|-----------------|-------------------------|-------------|
| Jahnvi Saxena, Chirag Pareek, Deepshikha Wadhwa | 2 March 2019 | 7 | Meeting |

Awards/Recognition of Students

| S.No. | Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|-------|-----------------------------------|---|------------------|
| 1. | Angad Singh | All India Inter University American Football Tournament | Sports |
| 2. | Dayanand Singha | All India Inter University American Football Tournament | Sports |
| 3. | Bhairon Singh Shekhawat (Captain) | AIU AMERICAN FOOTBALL/SILVER MEDAL | Sports |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds(INR) | Membership | Fees(INR) |
|------------------------------|------------|------------|-----------|
| 13 | 323818 | 3 | 331018 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S.No. | Name of Teachers Who Attended | Title of the Professional Development Program | Date And Duration (From – To) |
|-------|-------------------------------|---|-------------------------------|
| 1. | Dr Anuradha Agarwal | National Workshop on "Plagiarism, Research, Ethics and Patent (Prep -2018)" held at Manipal University Jaipur | 20 – 22 September |
| 2. | Dr Bhavna Chahar | National Workshop on "Plagiarism, Research, Ethics and Patent (Prep -2018)" held at Manipal University Jaipur | 20 – 22 September |
| 3. | Dr Ity Patni | FDP on Event Study Methodology at Delhi | 11 August 2018 |
| 4. | Dr Manvinder Singh Pahwa | Case Writing Workshop and Conference at JNVU Jodhpur | 16-18 March 2019 |
| 5. | Dr Manvinder Singh Pahwa | Financial Research Workshop at IIM Calcutta | 18 – 19 November 2018 |
| 6. | Dr Narender Singh Bhati | Research School at MNIT Jaipur | 12 – 16 October 2018 |
| 7. | Dr Narender Singh Bhati | Workshop on "Psychometrics and Scale Development in Social Sciences" Mumbai | 8-12 December 2018 |
| 8. | Ms Nishu Gupta | FDP on Event Study Methodology at Delhi | 11 August 2018 |
| 9. | Ms Nishu Gupta | Workshop accounts audit and assurance, Aerocity, New Delhi | 10-12 September 2018 |
| 10. | Dr Suhasini Verma | FDP in Management, IIM, Ahmedabad | 14 May 2019 - 31 August 2019 |
| 11. | Dr Sunishtha Dhaka | Workshop On "Psychometrics and Scale Development in Social Sciences" Mumbai | 8-9 December 2018 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|------------------------|---|--|------------------|
| Social Connect Program | School of Business & Commerce | 7 | 27 February 2019 |

Department of Commerce

Programs:

1. Bachelor of Commerce (B. Com)
2. Bachelor of Commerce (Hons) - Accounting
3. M Com - Financial Analysis
4. PhD

About the Department:

The Department of Commerce provides excellence in teaching through graduate and post graduate programmes. The department offers two undergraduate programme and one post graduate programme. The commerce programme at MUJ has been designed to address emerging market needs and ensure excellent job opportunities. It aims to provide the students with a wide range of skills and competencies in the area of commerce. The programmes

equip students with the knowledge of accounting principles, export & import laws, economic policies and other aspects that impacts trade & business. The programme aims at achieving excellence in commerce education and training for accounting, taxation, banking, changing socio-cultural aspirations, the IT revolution and globalization of economies.

Bachelors of Commerce is also collaborated with CIMA (Chartered Institute of Management Accountants) UK and ACCA (Association of Chartered Certified Accountants) UK , which provides the students with various certificate courses that other universities do not offer. The Department prides of having national level faculty and focuses on the latest developments. Department of Commerce offers 61 Courses having focus on Employability /Entrepreneurship / Skill Development and introduced 3 value added courses.

Faculty Members in Department and their Specialization:

| S. No. | Name | Designation | Specialization | State | Experience (Years) |
|--------|---------------------|--------------------------|--------------------------------|---------------|--------------------|
| 1. | Prof M. L. Vadera | Director, SBC | Accounting & Banking | Rajasthan | 40 |
| 2. | Dr Tina Shivnani | HoD, Associate Professor | Accounting | Rajasthan | 12 |
| 3. | Dr Gaurav Lodha | Associate Professor | Accounting | Rajasthan | 19 |
| 4. | Dr Saurabh Sharma | Associate Professor | Finance, Banking and Economics | Rajasthan | 17 |
| 5. | Dr Tanushree Sharma | Associate Professor | Accounting & Finance | Uttar Pradesh | 17 |
| 6. | Dr Sunny Dawar | Assistant Professor | Marketing & General Management | Rajasthan | 10 |
| 7. | Dr Somya Choubey | Assistant Professor | Marketing & General Management | Rajasthan | 8 |
| 8. | Ms Savita Panwar | Assistant Professor | Marketing & General Management | Rajasthan | 7.2 |
| 9. | Mohd. Zeeshan Qadri | Assistant Professor | Accounting & Finance | Rajasthan | 7 |



Alumni Lecture



Social Connect Outreach Programme

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| S.No. | Name of Faculty | No. of Courses. |
|-------|--------------------|-----------------|
| 1 | Dr Sunny Dawar | 6 |
| 2 | Dr Tanushee Sharma | 6 |
| 3 | Dr Tina Shivnani | 2 |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--|--|---|------------------|
| 1 | Mr Pullock Bhattacharya | Vice President, BSE Institute Ltd. | Guest Lecture on Importance of Timely Investment | 31 July 2019 |
| | Mr Abhishek Kalla | Representaive Member of BSE Institutae Ltd. | | |
| 2 | Mr Anurag Rana | Business Relationship Manager North India ACCA | Guest lecture on importance ACCA and ISDC | 30 July 2019 |
| | Mr Arjun Passi Mr Shone Babu Mr Varun Sharma | Reprentaives from ACCA & ISDC | | |
| 3 | Dr Anil Mehta | Former Professor and Head, Department of Business Administration, University of Rajasthan Jaipur | Guest Lecture on Time Management | 29 July 2019 |
| 4 | Ms Saumya Mehrotra, | Business Relationship Manager, and Centre for Monitoring India Economy Pvt. Ltd. (CMIE) | One-Day Training on | 11 July 2019 |
| 5 | Ms Jui Gangan | Manager- Business Consulting and Research, Intellecap Advisory Services Private Limited, Mumbai | Guest Lecture on "Democratizing Impact Investing" | 5 April 2019 |
| 6 | Mr Prashant Sipani | Chartered Accountant | Expert Lecture on Valuation of Enterprise | 29 March 2019 |
| 7 | Mr Manish Chowdhary | CEO Tally Education | Guest Lecture on Tally | 5 September 2018 |
| 8 | Mr Rahul Agarwal | Certified trainer NSE, BSE and BFSI | Interactive Session & NSE Quiz | 24 August 2018 |
| | Mr Vikram Singh Nathawat | Director Institute of Financial Literacy | | |
| | Mr Bhuvnesh Sen | Regional Head NSE | | |



Alumni Lecture



Alumni Lecture

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 10 | 2 | 0 |

Awards/Recognition Received from Government or Recognised Bodies

| Name of Faculty | Name of the Award, Fellowship | Awarding Agency/Body | Date of Award |
|-------------------|--|-------------------------------|----------------|
| Prof M. L. Vadera | Junior Vice president of Indian Accounting Association | Indian Accounting Association | 6 January 2019 |

Ph.D.s Awarded

| Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------------------------|--|---|-------------------------------------|
| Manoj Srivastava | Prof M. L. Vadera & Dr Gaurav Bhattacharya | Culinary Based World Records and Their Impact as a Motivating Factor for Hospitality Students | 2015 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Freeships provided by the Government/Manipal University Jaipur Institution

| Name of the Scheme | No. of Students Benefited by Non -Government Schemes | Total Number of Students |
|--|--|--------------------------|
| Manipal University Jaipur Institutional Scholarships | 10 | 10 |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 7 | 0-3 |
| 2. | 2 | 3-6 |

Students Progression to Higher Education/ Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE)

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-----------------|
| GRE | TOEFL | IELTS | GATE | OTHER (UGC-NET) |
| NIL | NIL | NIL | NIL | 1 |

| S. No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of programme |
|--------|--|--------------------------|---|---|
| 1 | Anusheel Williamson | Exam | IFIM Business School, Bengaluru | PGDM (FINANCE) |
| 2 | Deeptanshu Poonia | Exam | IILM University ,Gurgaon | MBA |
| 3 | Monark Rao | Exam | IILM University, Gurgaon | MBA |
| 4 | Nikita Agrawal | Exam | Symbiosis Institute Of International Business (SIIB) Pune | MBA - International Business |
| 5 | Rishabh Sharma | Exam | Manipal University Jaipur | MBA |
| 6 | Riya Jain | Exam | NSE Academy, Delhi | PGCP -IBR (Investment Banking and Research) |
| 7 | Varuna Khatwani | Exam | Jaipuria Institute of Management, Lucknow | PGDM (FINANCE) |
| 8 | Suman Maholiya | UGC-NET | Nil | Nil |

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | | No. of Alumni Interaction/Meetings | | |
|---|--|---|--|--|
| 0 | | 2 | | |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|--------------|--|------------------------|--------------------------------|--------------------------------|
| 1. | Vishnu , Vijay, Suman Maholiya, Jatin Madaan, Kishan Gattani, Rajat Yadav, Vijay Meena | 15 May 2019 | 8 | Meeting for Social Development |
| 2. | Jatin Madaan, Kishan Gattani, Rahil Quershi, Rishabh Sharma | 2 March 2019 | 10 | Interaction with Alumni |

Awards/Recognition of Students

| S. No. | Name of Student | Name of the Award/ Medal | Sports/ Cultural |
|---------------|------------------------|---|-------------------------|
| 1. | Ravi Bhambhu | 2nd Runner Up -TMA PAI QUIZZING CUP | Cultural |
| 2. | Avinash Lamba | 3rd Runner Up -TMA PAI QUIZZING CUP | Cultural |
| 3. | Nivedita Lamba | 4th Runner Up -TMA PAI QUIZZING CUP | Cultural |
| 4. | Yuvraj Singh | 2nd Position in All India Inter -university Amercian Football Tournament | Sports |
| 5. | Shubham Baheti | First Prize in National Stock Exchange (NSE) Quiz | Cultural |
| 6. | Sumit Singh | 3rd Position in Finance and Investment Convention 2019 | Cultural |
| 7. | Dainya Beg | 3 rd Position in International Conference on Sustainable Development BICON -2018 at Biyani Group of Colleges, Jaipur | Cultural |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership |
|-------------------------------------|--------------------|-------------------|
| 18 | 334919 | 2 |



All India Accounting Conference & international on Accounting Education and Research

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.)

| S. No. | Name of teachers who attended | Title of the professional development program | Date and Duration (from – to) |
|--------|-------------------------------|---|-------------------------------|
| 1. | Prof M. L. Vadera | UGC Sponsored National Seminar on Recent Trends, Challenges and Innovation in Commerce & Management | 24-25 February 2019 |
| 2. | Dr Saurabh Sharma | Workshop on Case Method Teaching & Writing at MNIT Jaipur | 19-20 January 2019 |
| 3. | Dr Sunny Dawar | Workshop on "Psychometrics and Scale Development in Social Sciences" Mumbai | 8-9 December 2018 |
| 4. | Dr Sunny Dawar | Research School at MNIT Jaipur | 12-16 October 2018 |
| 5. | Mohd. Zeeshan Qadri | Research School at MNIT Jaipur | 12-16 October 2018 |
| 6. | Dr Gaurav Lodha | Pedagogic & Personal Effectiveness Workshop at Manipal University Jaipur | 21-23 August 2018 |
| 7. | Prof M. L. Vadera | Pedagogic & Personal Effectiveness Workshop at Manipal University Jaipur | 21-23 August 2018 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

Alumni Association /Chapters/ Meeting/Lecture Conducted

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 0 | 2 |

| S.No. | Name of activity | Organising unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|------------------------|---|--|------------------|
| 1. | Social Connect Program | Department of Commerce, MUJ | 10 | 28 February 2019 |
| 2. | School Connect Program | School of Business & Commerce, MUJ | 12 | 27 February 2019 |



Glimpses of the School of Business of Commerce



Faculty of Science

School of Basic Sciences

Established : 2011

Name of Dean : Dr Anoop K Mukhopadhyay

Name of Director : Dr Lalita Ledwani

About the School : Faculty of Science (FOS) aims to foster creativity and innovation for an intellectually satisfying learning environment as well as to establish Manipal University Jaipur (MUJ) as a globally preferred destination for students, faculty, researchers and other stakeholders. FOS includes School of Basic Sciences (SBS) which was entrusted with the responsibility of developing and executing academic programs in different discipline of Basic Sciences at undergraduate, postgraduate and research levels. The SBS consists of five departments: Physics,

Chemistry, Mathematics & Statistics Biosciences, and Department of Computer Applications. It also supports the teaching of Science courses in other Schools of the University to promote interdisciplinary studies. The SBS has developed syllabi for various core courses blending basic science with interdisciplinary topics. Experimental learning, study visits to industries and research institutes are integral parts of all programs These enable students to excel in the areas of basic as well as applied sciences. In addition, they serve as launching pads for attractive carrier opportunities in the academia and industry. The school has unique synergy of teaching and research with many national as well as international interactions and collaborations.

Department of Biosciences

Programs:

1. BSc Biotechnology (Hons)
2. BSc Microbiology (Hons)
3. MSc Biotechnology
4. PhD

About the Department : Department of Biosciences was established in the year 2012 with an integrated approach towards higher education and research and development in diverse areas of life sciences. The department offers programs at Under-Graduate (BSc) and Post-Graduate (MSc) level in Biotechnology. The BSc(Hons) Biotechnology & BSc (Hons) Microbiology programs are specifically designed to learn about the fundamental properties of living organisms and their impacts on the quality of life. The department follows the Choice Based Credit System (CBCS) approved by the UGC and offers various Discipline Specific Courses, Skill Enhancement courses and Program Elective Courses in all the programs. The PG course (MSc Biotechnology) is specifically designed to groom the students for advanced research and development. The department also offers PhD programme

in different field of biological sciences such as such as Experimental Morphogenesis, Bioprocess Engineering and Downstream Processing, Nanotechnology, Bioinformatics, Structural Biology, Microbial Fuel cell Technology, Cancer Biology, Metabolomics, Molecular Biology and Animal Cell Culture etc. The department aims to meet the targeted demands to cater the requirements of biotechnology/ biopharmaceutical/ agriculture/microbiology based industries apart from fundamental research. Students are provided an opportunity to carry on research projects which may help them to grasp independent projects in future.

The department has received external funding in the form of research grants from various agencies such as, DST Rajasthan, DST-SERB New Delhi, ICMR, New Delhi and NMPB, New Delhi. Department of Bio Sciences offers 58 Courses having focus on Employability/Entrepreneurship/Skill Development and introduced 2 Value-added courses. Besides, the department has introduced 10 new courses also. The department partnered with 3 institutions / industry for projects and other industry linkages. Following are the details of accomplishments and achievements of the department in academic year 2018-19:

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|--------------------------|----------------------------|---|-----------|--------------------|
| 1. | Dr Abhijeet Singh | Associate Professor & Head | Molecular Biology and Nano-biotechnology | Rajasthan | 10 |
| 2. | Dr M. M. Sharma | Associate Professor | Plant Tissue Culture and Nano-biotechnology | Rajasthan | 13 |
| 3. | Dr Sandeep K. Srivastava | Associate Professor | Structural Biology and Bioinformatics | Delhi | 13 |

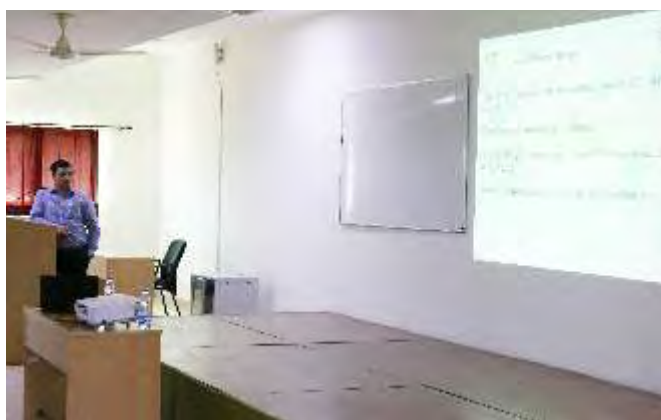
| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|------------------------|---------------------|---|---------------|--------------------|
| 4. | Dr Mousumi Debnath | Associate Professor | Stress Physiology and Metabolite Profiling | Rajasthan | 14 |
| 5. | Dr Rohit Jain | Assistant Professor | Plant Tissue Culture and Metabolite Profiling | Rajasthan | 8 |
| 6 | Dr Rakesh Sharma | Assistant Professor | Industrial and Applied Microbiology | Punjab | 7 |
| 7. | Dr Rajeev Mishra | Assistant Professor | Cancer and Molecular Biology | Uttar Pradesh | 11 |
| 8 | Dr Nitesh Kumar Poddar | Associate Professor | Protein Biochemistry and Molecular Biophysics | Delhi | 9 |

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching

| Name of Faculty | No. of Courses. |
|--------------------------|-----------------|
| Dr Sandeep K. Srivastava | 1 |

Details of Guest Visits / Invited Lectures/ Expert Talk

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|-------------------------|---|---------------------------------------|------------------|
| 1. | Dr Kanchan Mishra | Assistant Director & Head-Lab Operations of SmartStem, Surat Raktadan Kendra & Research Centre, Surat, Gujarat | Expert Lecture | 10 January 2018 |
| 2. | Dr Nitika Parmar | Professor, Biology Program, Director, MS Biotechnology program, Program Director, CIRM Bridges to Stem Cell Research Training Grant Program, California State University, Channel Islands | Student Exchange and MoU | 26 December 2018 |
| 3. | Prof VM Katoch | Former Director General, ICMR, New Delhi | Keynote Speaker, National Science Day | 28 February 2019 |
| 4. | Prof Antonio Villivarde | Chair Professor of Microbiology, Institute de Bioteconologia de Biomedicina, Department de Genètica de Microbiologia, Universitat Autònoma de Barcelona | Webinar Online Lecture | 21 November 2018 |
| 5. | Dr Anand Jindal | Senior Scientist, Forensic Science Laboratory, Jaipur | Expert Lecture | 18 October 2018 |
| 6. | Dr Ratika Srivastava | UGC-Asst Prof, MS University Baroda | Expert Lecture | 29 March 2019 |



Invited lecture by Dr Irfan, CIPET



Invited lecture by Dr Kanchan Kumar Mishra

Investment for Infrastructure/Lab Augmentation:

| S. No. | Name of the Lab | Name of the Equipment | Total Cost(INR/USD) |
|--------|-----------------|--|---------------------|
| 1. | Bioscience Lab | Plant Tissue Culture Racks with Temperature Controller | 159300 |
| 2. | Bioscience Lab | Microprocessor Based Ice FlackingMachine | 107545 |
| | | Thermostatic Temperature Controlled Water Bath | 19204 |
| | | Monocular Microscope | 60905 |
| | | Incubator Shaker | USD 9000 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 16 | 0 | 4 |

Book Chapter :

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|---------------------|---|---|--------------------------|
| 1. | Abhijeet Singh | In Tech Press | Morphological, Biochemical, and Molecular Characterization of Orange-Fleshed Sweet Potato (Ipomoea batatas [L.] Lam) GermplasMs | International |
| 2. | Nitesh Kumar Poddar | Synucleins -Biochemistry and Role in Diseases Book edited by: Dr Andrei Surguchov by INTECHOPEN LIMITED, Press United Kingdom | Role of Osmolytes in Amyloidosis | International |
| 3. | MM Sharma | CRC Press, Taylor & Francis Group, USA | Biosynthesized Nanomaterials: hope for the resolution of societal problems | International |
| 4. | Abhijeet Singh | Harnessing Plant Biotechnology and Physiology to Stimulate Agricultural Growth | Fungi as Cellular Factories for Production of Industrially Important Enzymes | International |



Invited lecture by Dr Anand Jindal



National Science Day 2019

Seed Money/Endowment funds Granted by University:

| S. No. | Name of the Faculty | Title of Project | Seed Money Amount (INR) |
|--------|---------------------|---|-------------------------|
| 1. | Dr Rajeev Mishra | Tracking metabolic foot prints in tumor micro environment interaction and its implications fortargeted cancer therapy | 300000 |
| 2. | Dr Mousumi Debnath | Exploring halophilic microorganisms from Sambhar lake for potential biotechnological applications | 300000 |

Research Grants/Projects from external agencies:

| S. No. | Project Name | Principal Investigator and Co-investigator | Funding Agencies | Type (Government/ Non-Government) | Total Grant (INR) |
|--------|---|--|---|-----------------------------------|-------------------|
| 1. | The effect of N-Acetyl L-Cysteine (NAC) encapsulated PLGA nanoparticles on neuroinflammation for the treatment of neurodegenerative disorders | Dr Abhijeet Singh | Indian Council of Medical Research, New Delhi | Government | 1437600 |
| 2. | Assessment of immunomodulatory properties of steroidal lactones isolated from <i>Withania coagulans</i> | Dr Rohit Jain | Indian Council of Medical Research, New Delhi | Government | 1518000 |

Awards for Innovation won by Institution/Teachers/ Research Scholars/Students:

| S.No. | Title of the innovation | Name of the Awardee | Name of the Awarding Agency | Category/Institution/Teacher/ Research Scholar/Student |
|-------|--|---------------------|---|--|
| 1. | IMRF best scientist award | Juhi Saxena | Carmel College for Woman, Goa | Research Scholar |
| 2. | Best award for research on "Recent advances at interface of physics and life science " | Zainab Syed | Central University Rajasthan, Ajmer | Research Scholar |
| 3. | Best Poster Award for presentation of innovation and research in Plant health management | Raja M | Phyto pathological Society Banaras Hindu University | Research Scholar |



Nukkad Natak on Hygiene in Govt School Dehmi Kalan



visit to Bansal Oil Mill Ltd

Awards/Recognition Received from Government or Recognised Bodies:

| Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|--------------------|---|----------------------|----------------|
| Dr Mousumi Debnath | Recognition Certificate for Outstanding Contribution in Reviewing 'Scientia Horticulture' | Elsevier | September 2018 |

Ph.D.s Awarded

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|-------------------------|---------------------|---|-------------------------------------|
| 1. | Juhi Saxena | Dr Abhijeet Singh | Screening And Characterization Of Industrially Important Fungi, Nanoparticle Synthesis And Their Bio Efficacy | 2014 |
| 2. | Yash Mishra | Dr M. M. Sharma | Screening Of Endophytic Fungi From Some Medicinal Plants, MicroSynthesis Of Nanoparticles And Analysis Of Antimicrobial Activities | 2013 |
| 3. | Ankit Chokriwal | Dr Abhijeet Singh | Screening And Identification Of Industrially Important Microbes, Biogenesis Of Nanoparticles And Evaluation Of Their Antimicrobial Activities | 2014 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc

| S.No. | Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|-------|--|---|-------------------------|
| 1. | Ayushraj Enterprises Pvt. Ltd.,Jaipur | MOU–Student visit and training projects | Dr M.M. Sharma |
| 2. | California State University Channel Islands, USA | MOU–Student exchange | Dr M.M. Sharma |
| 3. | ROCL, JU, TU | MOU–student visit and training | Dr Mousumi Debnath |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution:

| S. No. | Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|-------------------------------------|---|--------------------------|
| 1. | Rajasthan Merit Scholarships | 03 | 03 |
| 2. | Scholarships/Seats Reservations for | 02 | 02 |
| 3. | Merit Scholarships for PG Students | 03 | 02 |
| 4. | TMA Pai Scholarships | 03 | 03 |

Alumni Association /Chapters/ Meeting/Lecture Conducted:

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 00 | 01 |

| S. No | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|--------------------|------------------|-------------------------|-------------|
| 1. | Mohd. Kamran | 15 November 2018 | 20 | Interaction |
| 2. | Sunil Dutt | | | |
| 3. | Vikas | | | |
| 4. | Rajat Giri | | | |
| 5. | Anupriya Shekhawat | | | |
| 6. | Prerna | | | |
| 7. | Parikshit Patel | | | |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty:

| No. of Faculties | No. of Conferences/Workshops | Funds(INR) | Membership (INR) | Fees(INR) |
|------------------|------------------------------|------------|------------------|-----------|
| | 20 | 114617 | NIL | NIL |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community

| Name of activity | Organizing unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|--------------------------------|---|--|------------------|
| Nukad Natak - Health & Hygiene | Govt. School, DehmiKalan | 52 | 24 January 2019 |



Visit to CIPET Jaipur



visit to mushroom culture facility

Department of Chemistry

Programs:

1. B.Sc (Hons)
2. M.Sc
3. Ph.D

About the Department : Department of Chemistry has been functioning since the inception of Manipal University Jaipur (MUJ). Department of Chemistry, MUJ, has a vibrant research environment which encompasses all frontier areas of research of chemical sciences. At present 16 full time faculty members are working in the department with different specialization like Synthesis, Plasma Chemistry, Sensitized solar cells, Photocatalysis, Polymer Nanocomposites, Computational Chemistry, Homogeneous catalysis and Supra-

Molecular Chemistry. The department is well equipped for carrying out cutting edge research and our research findings are published in high impact peer reviewed journals. Striving for quality in academics and research is continuous endeavour of the Department and on line with this vision and objective, the department conducts regularly expert lectures, guest lectures for the benefit of students. The Department of Chemistry is committed to fostering a respectful workplace culture. Department of Chemistry offers 8 courses having focus on Employability/ Entrepreneurship/Skill Development and introduced 2 value added courses. Following are the details of accomplishments and achievements of the department in academic year 2018-19:

Faculty Members in Department and their Specialization

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|--------------------------|---------------------------|---|-----------------|--------------------|
| 1. | Dr Lalita Ledwani | Professor | Natural Products, Plasma surface modification of polymers | Uttar Pradesh | 18 |
| 2. | Dr Babita Malik | Professor | Synthetic Organic Chemistry | Rajasthan | 22 |
| 3. | Dr Tanmoy Chakraborty | Associate Professor & HoD | Theoretical and computational chemistry | West Bengal | 8 |
| 4. | Dr Rahul Shrivastava | Associate Professor | Host-Guest chemistry, Molecular recognition and Supramolecular chemistry | New Delhi | 8 |
| 5. | Dr Nitu Bhatnagar | Associate Professor | Polymeric composites & Nanotechnology, Plasma Chemistry, Adhesion science, Pesticide Analysis | Sikkim | 8 |
| 6. | Dr Arunava Agarwala | Associate Professor | Inorganic Chemistry | Israel | 8 |
| 7. | Dr Veena Dhayal | Associate Professor | Coordination chemistry, Organometallic chemistry and nanomaterials | Rajasthan | 8 |
| 8. | Dr Praveen Kumar Surolia | Associate Professor | Solar Energy and Photocatalysis | Ireland | 8 |
| 9. | Dr Debasis Behera | Assistant Professor | Corrosion Inhibitors, corrosion monitoring, electrochemistry, molecular modelling | Jharkhand | 5 |
| 10. | Dr Naveen Kumar Singh | Assistant Professor | Ecotoxicology & Bioremediation (Environmental Science) | Uttar Pradesh | 7 |
| 11. | Dr Meenakshi Pilania | Assistant Professor | Organic Synthesis | Rajasthan | 3 |
| 12. | Dr Sriparna ray | Assistant Professor | Organometallic Chemistry | Maharashtra | 6.5 |
| 13. | Dr Susruta Samanta | Assistant Professor | Computational Chemistry | Bremen, Germany | 6.5 |
| 14. | Dr Sarika Singh | Assistant Professor | Composite materials, Waste water treatment | | 3 |
| 15. | Dr Abhiroop Chowdhury | Assistant Professor | Heavy metal mobilization, Remediation of metal pollutants | Jharkhand | 2 |
| 16. | Dr M Prabhu | Assistant Professor | Wastewater Treatment, Phytoremediation, Mine | Tamil Nadu | 2 |

ACADEMICS

Teachers using Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for Effective Teaching:

| S.No. | Name of Faculty | No. of Courses. |
|-------|--------------------------|-----------------|
| 1. | Dr Lalita Ledwani | 1 |
| 2. | Dr Babita Malik | 2 |
| 3. | Dr Tanmoy Chakraborty | 2 |
| 4. | Dr Rahul Shrivastava | 3 |
| 5. | Dr Nitu Bhatnagar | 3 |
| 6. | Dr Arunava Agarwala | 3 |
| 7. | Dr Veena Dhayal | 3 |
| 8. | Dr Praveen Kumar Surolia | 3 |
| 9. | Dr Debasis Behera | 3 |
| 10. | Dr Naveen Kumar Singh | 6 |
| 11. | Dr Meenakshi Pilia | 3 |
| 12. | Dr Sriparna Ray | 3 |
| 13. | Dr Susruta Samanta | 3 |
| 14. | Dr Sarika Singh | 3 |
| 15. | Dr Abhiroop Chowdhury | 6 |
| 16. | Dr M. Prabhu Inbaraj | 6 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 23 | 02 | 02 |

Book Chapter:

| S. No. | Name of the Teacher | Title of the Book/ Chapters Published | Title of the Paper | National / International |
|--------|---------------------|---|---|--------------------------|
| 1. | Bhatnagar N. | Advanced Machine Learning Technologies and Applications (AISC series) | Role of Robotic Process Automation in Pharmaceutical Industries | International |
| 2. | Babita Malik | Elsevier encyclopedia of bio informatics and computational biology | Characterizing and Functional Assignment of Noncoding RNAs | International |

Ph.D.s Awarded:

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|-------------------------|---------------------|--|-------------------------------------|
| 1. | Ms Suman Swami | Dr Rahul Srivastava | Studies on synthesis of nitrogen containing heterocyclic receptor for molecular recognition | 2014 |
| 2. | Mr Ajay Saini | Dr Veena Dhayal | Nano-fabrication and applications of metal/ hetero-metal oxides nanostructures of Al(III), Si(IV), Ti(IV), Zn(II) and Sn(IV) | 2015 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution:

| Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--|---|--------------------------|
| Dr RamdasPai Scholarship+TeachingAssistantship | 06 | 06 |

INTERNATIONALIZATION

Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.

| List The Activities Under Each Mou | Number Of Students/Teachers Participated Under MOU's |
|------------------------------------|--|
| Creation of Soil Testing Lab | 01 |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty:

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|------------------------------|-------------|------------|------------|
| 2 | 120000 | 1 | 5000 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community:

| S.No. | Name of activity | Organizing unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|-------|---|---|--|----------------------------|
| 1. | OutreachActivity | Consultancy work on Mangrove Regeneration through the participation of local communities at Indian Sundarbans | Tagore Society for Rural Development, Kolkata (NGO), Karl Kubel Stifun fur de Familie, Germany (KKS), Federal Ministry of Economic Cooperation and Development (Germany) (BMZ) | Conducted on various dates |
| 2. | Awareness workshop (I) on Rural Development Schemes | Gramiksha | 25 | 29 January 2019 |



Awareness workshop on Rural Development Schemes

Department of Mathematics

Programs:

1. B.Sc. (Hons) (Mathematics)
2. M.Sc. (Mathematics)
3. Ph.D.

About the Department : Department of Mathematics & Statistics has its existence since the inception of the University with the vision to provide quality education and promote research activities in core & allied areas of Mathematical Sciences. The mandate of the department is to conduct the courses for the students of Science, Engineering and Management & Commerce. There are 21 full time regular faculty members who are deeply engrossed in teaching-learning, research and mentorship. The major thrust areas of research are Fluid Dynamics, Special

Functions, Fractional Calculus, Relativity, Ring Theory, Reliability Theory, Theory of Sample Surveys, Small Area Estimations, Operations Research, Mathematical Modelling etc. Currently 40 scholars are enrolled in Ph.D. program. The students are exposed to comprehensive theoretical & practical knowledge through its academic curriculum and teaching learning pedagogy. In addition, department frequently conducts expert lectures, guest lectures for the benefit of students and faculty members as well. Department of Mathematics offers 30 courses having focus on Employability/Entrepreneurship/Skill Development and also introduced 2 value added courses along with 1 new course. Following are the details of accomplishments and achievements of the department in academic year 2018-19:

Faculty Members in Department and their Specialization

| S. No | Name | Designation | Specialization | State | Experience (Years) |
|-------|------------------------|------------------------------------|---|----------------|--------------------|
| 1. | Dr Indeewar Kumar | Associate Professor & Head | Fluid Dynamics | Jharkhand | 17 |
| 2. | Dr Sunil Joshi | Professor | Special Functions and Integral Transforms and Fractional Calculus | Rajasthan | 25 |
| 3. | Dr Kalpna Sharma | Professor | Fluid Dynamics | Rajasthan | 17 |
| 4. | Dr Dasari Nagaraju | Professor | Ring Theory, Fuzzy Algebra | Andhra Pradesh | 15 |
| 5. | Dr Reema Jain | Associate Professor (Senior Scale) | Fluid Dynamics & Mathematical Modelling | Rajasthan | 17 |
| 6. | Dr Pooja Sharma | Associate Professor | Fluid Dynamics | Rajasthan | 15 |
| 7. | Dr Md. Rizwanullah | Associate Professor | Optimization, Graph theory, Simulation, Mathematical programming | Uttar Pradesh | 15 |
| 8. | Dr Giriraj Methi | Associate Professor | Partial Differential Equation, Linear Algebra, Numerical Methods | Rajasthan | 13 |
| 9. | Dr Ruchika Mehta | Associate Professor | Fluid Dynamics | Rajasthan | 16 |
| 10. | Dr Ram Naresh Saraswat | Assistant Professor | Information Theory and Coding Fuzzy Modeling | Rajasthan | 13 |
| 11. | Dr Alok Bhargava | Assistant Professor | Special Functions & Fractional Calculus | Rajasthan | 20 |
| 12. | Dr Anamika Jain | Assistant Professor | Sampling Theory & Theory of Sample Surveys | Uttar Pradesh | 15 |
| 13. | Dr Ashish Kumar | Assistant Professor | Reliability Modelling & Analysis, Stochastic Process | Haryana | 07 |
| 14. | Dr LaxmiPoonia | Assistant Professor | Relativity and Cosmology | Rajasthan | 14 |

| S. No | Name | Designation | Specialization | State | Experience (Years) |
|-------|---------------------------|---------------------|--|----------------|--------------------|
| 15. | Dr Virendra Singh Chouhan | Assistant Professor | Fixed point theory in fuzzy metric space | Madhya Pradesh | 08 |
| 16. | Dr Monika Saini | Assistant Professor | Performance Modeling and Mathematical Analysis of queuing problem | Haryana | 06 |
| 17. | Dr Garima Agarwal | Assistant Professor | Special Functions | Rajasthan | 09 |
| 18. | Dr Himashu Rathore | Assistant Professor | OR-Inventory control and Modelling | Rajasthan | 12 |
| 19. | Dr Bhoopendra Pachauri | Assistant Professor | Software Reliability | Madhya Pradesh | 06 |
| 20. | Dr Hemlata Joshi | Assistant Professor | Population Sciences, Fertility and Mortality Modeling and Applied Statistics | Rajasthan | 05 |
| 21. | Dr Mahesh Kumar Dubey | Assistant Professor | Pure Mathematics & Theoretical Computer Sciences | Jharkhand | 02 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching:

| Number of Faculty Members | Number of Courses |
|---------------------------|-------------------|
| 21 | 21 |

Details of Guest Visits / Invited Lectures/Expert Talk:

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|-----------------------|---|--|------------------|
| 1. | Prof J. L. Bansal | Retd. Professor, Department of Mathematics, University of Rajasthan | Invited Talk on Srinivasa Ramanujan's 131st Birth Anniversary | 22 December 2018 |
| 2 | Prof David D. Hanagal | Department of Statistics, University of Pune | Invited Talk on Correlated Inverse Gaussian Frailty Models for Bivariate Survival Data | 19 March 2019 |
| 3. | Prof M. K. Kadalbajoo | Retd. Professor, IIT Kanpur, Currently serving as Distinguished Professor of Mathematics, LNM Institute of Information Technology, Jaipur | Invited Talk on The Boundaries of Computability | 28 March 2019 |
| 4. | Prof Rama Bhargava | Professor, Department of Mathematics IIT Roorkee | Invited Talk on Writing the Research papers and Research project | 12 July 2019 |

Investment for Infrastructure/Lab Augmentation:

| Name of the Lab | Name of the Equipment | Total Cost (INR) |
|-----------------|-----------------------|------------------|
| Software | IBM SPSS | 1291265 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC):

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 32 | 06 | 06 |

Book Chapter:

| S. No. | Name of the Teacher | Title of the Book/Chapters Published | Title of the Paper | National / International |
|--------|---------------------|---|--|--------------------------|
| 1 | Anamika Jain | Performance Prediction and Analytics of Fuzzy, Reliability and Queueing Models- Theory and Applications | Balking Strategies for a working vacation priority queueing system with two classes of customers | International |
| 2 | Anamika Jain | Asset Analytics-Performance and Safety Management | Study of queue with server startup under threshold N policy using parametric non-linear programming method | International |
| 3 | Ashish Kumar | Information and Communication Technology for Sustainable Development | Analysis of Performance Measures of Computer Systems with Priority and Maximum Operation Time | International |
| 4 | Bhoopendra Pachauri | Performance Prediction and Analytics of Fuzzy, Reliability and Queueing Models | Imperfect Software Reliability Growth Model Using Delay in Fault Correction | International |
| 5 | Himanshu Rathore | Logistics, Supply Chain and Financial Predictive Analytics | A Preservation Technology Model for Deteriorating Items with Advertisement-Dependent Demand and Trade Credit | International |
| 6 | Indeewar Kumar | Information and Communication Technology for Sustainable Development | Analysis of Performance Measures of Computer System with Priority and Maximum operation Time | International |

Awards/Recognition Received from Government or Recognised Bodies:

| S.No. | Name of faculty | Name of the award, fellowship | Awarding Agency/Body | Date of Award |
|-------|------------------------|----------------------------------|-------------------------------------|---------------|
| 1. | Dr Ram Naresh Saraswat | Best Teacher (Mathematics) Award | ITSR Foundation | 31 March 2019 |
| 2. | Dr Reema Jain | Council Member | Indian Women and Mathematics (NBHM) | 30 May2019 |



Glimpses of the School

Ph.D.Awarded:

| S.No. | Name of the PhD scholar | Name of the guide/s | Title of the thesis | Year of registration of the scholar |
|-------|-------------------------|------------------------|--|-------------------------------------|
| 1. | Ajay Tak | Dr Ram Naresh Saraswat | A study of generalised information divergence measure, inequalities and their applications | 17 July2014 |
| 2. | Amit Prarmar | DrShalini Jain | Heat transfer effects on non-newtonian fluid flow through porous boundaries | 17 July2014 |
| 3. | Neha Kathod | Dr Ram Naresh Saraswat | A study of fuzzy divergence measures, information inequalities and their new development | 09 January2015 |
| 4. | Kuntal Devi | Dr Ashish Kumar | Analysis of redundant system of non-identical units using weibull distribution | 09 January 2015 |
| 5. | Sumit Gupta | Dr Kalpna Sharma | Thermally developed fluid flow analyses through various regimes | 09 January 2015 |
| 6. | Preeti Gupta | Dr Shalini Jain | A study of entropy generation on transport of newtonian and non-newtonian fluids in the presence of porous media | 09 January 2015 |

INDUSTRY CONNECT

Linkages with Institutions/Industries for Internship, on-the-job training, Project work, sharing of research facilities etc.

| Name of the partnering Institution/ Industry /Research lab | Nature of Linkage | Name of the Participant |
|--|-------------------|-------------------------|
| IAESTE MUJ | Student exchange | Anna Clara Wendler |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution:

| Name of the scheme | No. of students Benefited by Government Scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--|--|---|--------------------------|
| Scholarships/Seat Reservations for Local region Students | Nil | 02 | 02 |

Capability Enhancement and Development schemes:

| S. No. | Name of the capability enhancement scheme | Number of students enrolled | Name of the agencies involved with contact details |
|--------|---|-----------------------------|--|
| 1. | Counselling | 26 | Manipal University Jaipur |
| 2. | Remedial Classes | 10 | Manipal University Jaipur |



Glimpses of the School

Placement of Outgoing Students:

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 1 | 4-6 |
| 2. | 2 | 4-9 |

| S. No. | Name of the Student | Name of the Company | Package Received (INR) |
|--------|---------------------|--|------------------------|
| 1. | Kuntal Devi | Maharaja Neemapal Singh Govt college, Bhiwani, Hariyana | 684000 |
| 2. | Rakesh Choudhary | Bhartiya skill Development University, Ajmer High, Jaipur, Rajasthan | 500000 |
| 3. | Sumit Gupta | Swami Keshvanand Institute of Technology and Management and Gramothan, Jaipur, Rajasthan | 550000 |

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE):

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| NIL | NIL | NIL | NIL | 1 |

| Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of program me |
|--|--------------------------|----------------------------|--------------------|
| Akshay Jain | JAM | IIT Gandhinagar | M.Sc. |

INTERNATIONALIZATION

Student Exchange: Incoming or Outgoing:

| Name of the Student | Name of the University/College/Company | Incoming/Outgoing |
|---------------------|--|-------------------|
| Anna Clara Wendler | University of Göttingen, Germany | Incoming |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty:

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|------------------------------|-------------|------------|------------|
| 29 | 338151 | 12 | 35968 |



Glimpses of the School

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.):

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|--|------------------------------|
| 1. | Dr Giriraj Methi | Short Term Course on "Finite Element Method in Engineering for Industries and Academia (FEMEIA-2019)" at MNIT Jaipur | 13 -17 May 2019 |
| 2. | Dr Reema Jain | Short Term Course on "Finite Element Method in Engineering for Industries and Academia (FEMEIA-2019)" at MNIT Jaipur | 13 -17 May 2019 |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community:

| Name of activity | Organizing unit/ agency/ collaborating agency | Number of students participated in such activities | Date of Activity |
|---------------------------------|--|--|-------------------|
| Mathematics Awareness Programme | Govt. Senior Secondary School, Sanjharia, Jaipur | 50 | 4-8 February 2019 |



Faculty Block 1AB

Department of Physics

Programs:

1. B.Sc. (Hons.)
2. M.Sc.
3. Ph.D.

About the Department : The Department of Physics offers B.Sc., M.Sc. and Ph.D. programs with syllabi designed as a combination of core sciences & interdisciplinary sciences by adopting Choice Based Credit System (CBCS). We have faculties with research interests ranging from experimental to theoretical aspects of condensed matter physics, material sciences and engineering, plasma physics, biophysics and Nanoelectronics. The department has faculty strength of 13 members, 2 technical assistant and 1 lab technician for the laboratories. There is a synergetic connection and collaboration with professional and industrial leaders for Guest Lectures/Expert talks & Training. The Department

enhances scientific knowledge as well as skill and ability of the students, motivating them to think critically, helping them to act independently and to take decisions according to scientific pursuits and other endeavours. It strives to empower its students and faculty members to contribute to the development of society and nation. Our mission is to inspire & transfer lives of our students by providing them innovative learning experience that prepares them to thrive in dynamic & competitive world. Department has state of art Labs for its B.Sc. as well as M.Sc. programs In particular the department is proud of fully equipped Labs e.g. Electronics Lab., Spectroscopic Lab., Solid state Physics Lab., Materials research Lab., Nuclear Physics Lab, Optics Lab. Department of Physics offers 11 Courses with focus on Employability/Entrepreneurship/Skill Development and introduced 5 Value added courses

Faculty Members in Department and their Specialization:

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|------------------------------|---------------------|-------------------------------------|----------------|--------------------|
| 1. | Dr Anoop Kumar Mukhhopadhyay | Professor | Ceramics | West Bengal | 36.5 |
| 2. | Dr Pushpendra Kumar | Associate Professor | Condensed Matter Physics | New Delhi | 13 |
| 3. | Dr Sushil K. Jain | Associate Professor | Condensed Matter Physics | Rajasthan | 15 |
| 4. | Dr Nilanjan Halder | Associate Professor | Material Science and Nanotechnology | West Bengal | 13 |
| 5. | Dr Anupam Sharma | Associate Professor | Experimental Solid-StatePhysics | Madhya Pradesh | 10.5 |
| 6. | Dr Ashima Bagaria | Associate Professor | Biophysics | Karnataka | 11.5 |
| 7. | Dr K.P. Misra | Assistant Professor | Material Science and Thin Film | Uttar Pradesh | 8 |
| 8. | Dr Saikat Chattopadhyay | Assistant Professor | Material Science | Madhya Pradesh | 3 |
| 9. | Dr Vipin Kumar | Assistant Professor | Computational Materials Science | Assam | 3.5 |
| 10. | Dr Reenu Gill | Assistant Professor | Plasma Physics | New Delhi | 1 |
| 11. | Dr Uvais V | Assistant Professor | Organic Electronics and Thin film | Kerala | 4 |
| 12. | Dr RashiNathawat | Assistant Professor | Material science and engineering | Rajasthan | 6.8 |
| 13. | Dr Satyapal Singh Rathore | Assistant Professor | Material Engineering | Maharashtra | 5.3 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching:

| S.No. | Name of Faculty | No. of Courses. |
|-------|----------------------|-----------------|
| 1. | Pushpendra Kumar | 2 |
| 2. | Saikat Chattopadhyay | 1 |
| 3. | Anupam Kumar Sharma | 2 |

| S.No. | Name of Faculty | No. of Courses. |
|-------|------------------------|-----------------|
| 4. | Kamakhya Prakash Misra | 2 |
| 5. | Ashima Bagaria | 2 |
| 6. | Reenu Gill | 1 |
| 7. | Uvais V. | 1 |
| 8. | S. S. Rathore | 1 |
| 9. | RashiNathawat | 1 |
| 10. | Vipin Kumar | 2 |

Details of Guest Visits / Invited Lectures/Expert Talk:

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--------------------|---|---------------------|--------------------|
| 1. | Dr Kunwar P. Singh | Director SIMUTECH, USA | Invited Talk | 16 July 2019 |
| 2 | R. P. Joshi | CEO, RI Instruments Innovation India | Industrial Talk | 22-23 October 2018 |
| 3. | S. N. Dolia | Professor | Interaction Meeting | 16 November 2018 |
| 4 | Ravi Garg | Engineer | Industrial Talk | 4 January 2019 |
| 5 | B. K. Sharma | Ex. Dean R&I, MUJ | Invited Talk | 1 September 2018 |
| 6 | L. M.Kukreja | Founder President of Epi knowledge foundation | Invited Talk | 13 October 2018 |

Investment for Infrastructure/Lab Augmentation:

| S. No. | Name of the Lab | Name of the Equipment | Total Cost (INR) |
|--------|-----------------------|--------------------------------|------------------|
| 1. | Optics Lab | Newton's Ring | 17820 |
| | | Diffraction Grating | 7906 |
| 2. | Spectroscopy Lab | He -Ne Laser | 27000 |
| | | Balmer Series and Spectrometer | 126038 |
| 3. | Electronics Lab | Energy Gap of Semiconductor | 20000 |
| | | Digital Source Meter | 313100 |
| 4 | Materials Science Lab | Fume hood | 739856 |
| 5. | Materials Science Lab | Centrifuge | 300000 |



Industrial talk by LAKESHORE CRYOTRONICS COMPANY, SIMC on 4th January, 2019



Interaction with Prof Satyanarain Dolia, University of Rajasthan on 28th November 2018

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC) :

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 17 | 03 | Nil |

Seed Money/Endowment funds Granted by University:

| S. No. | Name of the Faculty | Title of Project | Seed Money Amount (INR) |
|--------|---------------------|---|-------------------------|
| 1. | Dr Uvais | Flexible polymer nanocomposite hybrid material for functional applications. | 300000 |
| 2. | Dr Saikat | Development of Nanoceremic Hydroxides and oxides for toxic metal scavenging | 290000 |

Research Grants/Projects from external agencies

| Project Name | Principal Investigator and Co-investigator | Funding Agencies | Type (Government/ Non-Government) | Total Grant (INR) |
|---|--|------------------|-----------------------------------|-------------------|
| All Ceramic Magneto-Electric Multiferroic Based Energy Harvesters | Dr Satyapal Singh Rathore | DST-SERB | Government | 5000000 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution:

| Name of the scheme | No. of students Benefited by Government Scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------------------|--|---|--------------------------|
| Merit Scholarship | Mahi Chaudhary | 1 | 1 |

Capability Enhancement and Development schemes:

| Name of the capability enhancement scheme | Number of students enrolled | Name of the agencies involved with contact details |
|---|-----------------------------|--|
| Remedial Classes | 26 | MUJ |



Outreach activity (Social-connect) on 18th January, 2019



Outreach activity (Social-connect) on 18th January, 2019

Students Progression to Higher Education/Percentage of Students Qualifying in State/ National/ International Level Examinations(GRE/TOEFL/IELTS/GATE):

| No. of Students Qualified National/ International Level Examinations | | | | |
|--|-------|-------|------|-------|
| GRE | TOEFL | IELTS | GATE | OTHER |
| 1 | 0 | 0 | 1 | 1 |

| S.No. | Name of Students Enrolling into higher education | Name of Competitive Exam | Name of Institution Joined | Name of Program me |
|-------|--|--------------------------|----------------------------|--------------------|
| 1. | Vishal Joshi | JAM | IIT Guwahati | M. Sc. |
| 2 | Sunil Kumar Chaourasia | NIL | SMIT, Sikkim | M. Sc. |

Alumni Association /Chapters/ Meeting/Lecture Conducted:

| No. of Alumni Lectures Conducted | No. of Alumni Interaction/Meetings |
|----------------------------------|------------------------------------|
| 2 | 0 |

| S.No. | Name of Alumni | Date of meeting | No. of members attended | Particulars |
|-------|----------------|-----------------|-------------------------|-------------|
| 1. | G. L. Vyas | 5 Feb 2019 | 20 | Lecture |
| 2. | G. L. Vyas | 15 Oct 2018 | 12 | Lecture |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty

| No. of Conferences/Workshops | Funds (INR) | Membership | Fees (INR) |
|------------------------------|-------------|------------|------------|
| 46 | 302051 | 07 | 23091 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.

| S.No. | Name of Teachers who attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|--|--|
| 1. | Anupam Kumar Sharma | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" | 25 February-01 March 2019 at Manipal University Jaipur |
| 2. | K.P. Mishra | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" | 25 February-01 March 2019 at Manipal University Jaipur |
| 3. | Vipin Kumar | 1.National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" 2. Faculty Development program on Teaching Learning and Evaluation for Faculty Members of HEIs | 25 February-01 March 2019 at Manipal University Jaipur 5-9 August 2019 at Central University of Rajasthan |
| 4. | Uvais VN | Smart Nanomaterials: Fundamentals to application (SNFA-2019) | 25-29 March 2019 at Scholl of Material Science and Engineering, NIT Calicut, Kerala |

OUTREACH AND EXTENSION ACTIVITIES

Outreach Program/Initiatives undertaken to engage with and contribute to local community:

| Name of activity | Organizing unit/ agency/ collaborating agency | Number of Dept. students participated in such activities | Date of Activity |
|------------------|---|--|------------------|
| Brain Rain | Department of Physics | 25 | 18 January 2019 |

Department of Computer Applications

Programs:

1. BCA
2. MCA
3. Ph.D.

About the Department : Department of Computer Applications offers two courses Bachelor of Computer Applications (BCA) & Master of Computer Applications (MCA). Duration of BCA is 3 years & MCA is of 2 years with lateral entry. These courses are among the most popular courses in India, these courses are favored by students who wish to make their career in IT Industry. The Department of Computer Applications prepares students to design, develop and implement software applications. Department of Computer Applications emphasizes on the latest programming languages, cutting edge technologies and tools to make the students ready for the IT Industry. The department aims to become a center of excellence in providing in-depth technical knowledge and opportunities

for innovation and research with state-of-the-art computer facilities and is to produce versatile students making them ready to be employed and capable of cross disciplinary collaboration in industry/government sector/higher education/research and development/entrepreneurship. Students of the department have been placed in big MNCs like SAP labs, Deloitte, Infosys, Convergence, Concentrix, Atmax apart from their in-semester summer internship projects. Manipal University Jaipur has an exchange program as inter-university research collaboration between “Manipal Academy of Higher Education” (MAHE), Manipal and “Manipal University Jaipur” (MUJ). BCA and MCA curriculum is designed with latest content, it is designed with the inputs of Industry and Academia experts to make it relevant for the Industry needs and to bridge the gap between Industry and academia. Department of Computer Applications offers 12 Courses having focus on Employability/Entrepreneurship/Skill Development.

Faculty Members in Department and their Specialization

| S No | Name | Designation | Specialization | State | Experience (Years) |
|------|---------------------------|---------------------------|---|------------------|--------------------|
| 1 | Dr Devershi Pallavi Bhatt | Associate Professor & HoD | Wireless Networking, Information Security and IoT | Rajasthan | 13.3 |
| 2 | Dr Pradeep Kumar Tiwari | Assistant Professor | Cloud Computing | Rajasthan | 10.1 |
| 3. | Mr Pradeep Kumar | Assistant Professor | Image Processing | Rajasthan | 9 |
| 4. | Ms Kuntal Gaur | Assistant Professor | VANET & SDN | Rajasthan | 10.6 |
| 5. | Dr Garima Aggarwal | Assistant Professor | Special Functions & Fractional Calculus | Rajasthan | 9 |
| 6. | Dr Shilpa Sharma | Associate Professor | Software Engineering & Image Processing | Madhya Pradesh | 13.2 |
| 7. | Dr Linesh Raja | Assistant Professor | Wireless Networking, Computer Algorithms & IOT | Rajasthan | 10.2 |
| 8 | Dr Vanita Jaitly | Assistant Professor | Data Analytics, Social Networks, Algorithms | Himachal Pradesh | 10 |

ACADEMICS

Teachers use Learning Management Systems (LMS) and E-learning Resources (Canvas, Moodle etc.) for effective Teaching:

| S.No. | Name of Faculty | No. of Courses. |
|-------|---------------------------|-----------------|
| 1. | Dr Devershi Pallavi Bhatt | 2 |
| 2. | Dr Pradeep Kumar Tiwari | 1 |
| 3. | Mr Pradeep Kumar | 1 |
| 4. | Mrs Kuntal Gaur | 1 |
| 5. | Dr Garima Agarwal | 1 |

Details of Guest Visits / Invited Lectures/ Expert Talk:

| S. No. | Visitor | Designation and Brief profile of the visitor | Purpose of Visit | Date of Visit |
|--------|--|---|----------------------|------------------|
| 1. | Mr Bhanu Pratap | Senior Consultant Infosys, Jaipur | Expert talk | 14 February 2019 |
| 2. | Emmanuel Pilli | Associate Professor, Department of CSE, Malviya National Institute of Technology Jaipur | Expert talk | 02 January 2019 |
| 3. | Mr Nishant Goel | Founder & CEO, BOT mantra, Jaipur | Industry Expert Talk | 23 January 2019 |
| 4. | Dr Rajiv Mathur and Mr Niclas Wigstrom | CTO, CFO, Chainvine, UK | Industry Expert Talk | 08 January 2018 |

RESEARCH VISIBILITY

Journal/Conference/Book Chapter Publications(SCOPUS/WoS/UGC)

| No. of Journal Publications | No. of Conference Publications | No. of Book Chapters Published |
|-----------------------------|--------------------------------|--------------------------------|
| 03 | 01 | 02 |

Book Chapters

| S. No. | Name of the Teacher | Title of the Book/ Chapters Published | Title of the Paper | National / International |
|--------|-------------------------|--|--|--------------------------|
| 1 | Dr Pradeep Kumar Tiwari | Novel Practices and Trends in Grid and Cloud Computing | Resource Management Techniques to Manage the Load Balancing in Cloud Computing | International |
| 2 | Dr Pradeep Kumar Tiwari | Critical Approaches to Information Retrieval Research | Load Balancing in Cloud Computing: Challenges and Management Techniques | International |

Seed Money/Endowment funds Granted by University

| Name of the Faculty | Title of Project | Seed Money Amount(INR) |
|---------------------------|--|------------------------|
| Dr Devershi Pallavi Bhatt | School Children Safety System using RFID and IOT | 175000 |

STUDENT ENGAGEMENT

Students Benefited by Scholarships and Free ships provided by the Government/Manipal University Jaipur Institution

| S. No. | Name of the scheme | No. of Students Benefited by Non-Government Schemes | Total Number of Students |
|--------|--|---|--------------------------|
| 1. | TMA Pai Merit Scholarships | 05 | 05 |
| 2. | Scholarships/Seat Reservations for Local Region Students | 01 | 01 |
| 3. | Scholarship for Lateral Entry (Diploma)/Transfer Cases | 01 | 01 |
| 4. | Scholarship for student of Higher Semester | 01 | 01 |
| 5. | Rajasthan Merit Scholarships | 01 | 01 |

Placement of Outgoing Students

| S.No. | No. of Students | Average Package Received (Lakhs) |
|-------|-----------------|----------------------------------|
| 1. | 10 | 0-3 |
| 2. | 02 | 4-6 |

FACULTY ENGAGEMENT

PDA (Professional Development Allowance) utilized by Faculty:

| No. of Conferences/Workshops | Funds (INR) | Membership (INR) | Fees (INR) |
|------------------------------|-------------|------------------|------------|
| 11 | 165936 | Nil | 7912 |

Faculty Attended Professional Development Programs (Refresher Course, Faculty Development Program, Short Term courses etc.) :

| S.No. | Name of Teachers who Attended | Title of the Professional Development program | Date and Duration (from –to) |
|-------|-------------------------------|---|--------------------------------------|
| 1. | Dr Devershi Pallavi Bhatt | National One Week Faculty Development Program on "Analytics and Optimization for Business and Engineering (AOBE-2019)" from February 25-March 01, 2019 at Manipal University Jaipur | 25 February 2019 – 25 March 2019 |
| 2. | Mr Pradeep Kumar | Faculty Development Programme on "Big Data Analytics and Machine Learning using Python" Dehradun | 21 December 2018- 26 December 2018 |
| 3. | Dr Garima Agarwal | National Workshop on "Plagiarism, Research, Ethics and Patent (PREP-2018)" held at Manipal University Jaipur | 20 September 2018- 22 September 2018 |
| 4. | Dr Garima Agarwal | National Workshop on "Statistical and Optimization Learning in Multidisciplinary Arena" at Manipal University Jaipur | 11 November 2018- 12 November 2018 |



Academic Block 2AB

V

Social Responsibility



Social Responsibility

All aesthetic activities are inspired by one singular thought that the society around the University premises has been forthcoming and embraced it with open arms. It's now the University's social obligation to reciprocate and the best way ahead is to ameliorate the region's ambience, surroundings etc. The green club has adopted five villages around the college. The various activities undertaken by the University and its impact are listed below: -

| Activity | Impact |
|---|---|
| <p>Manipal University Jaipur, has adopted following villages in the neighborhood of the University and students and faculty members have carried out extensive work for the upliftment of these villages: -</p> <ol style="list-style-type: none"> 1. DehmiKalan 2. Sanjharia 3. Thikaria 4. DehmiKhurd 5. Begas | <p>Enhanced awareness among villagers regarding Health, Hygiene and Sanitation programme in nearby schools & villages.</p> <p>Cleanliness has improved in villages</p> <p>Rain Water Harvesting has increased among villagers</p> <p>Rural Waste Management awareness has also been enhanced under Swachh Bharat Abhiyan</p> <p>Implementation of Model Village Concept</p> |
| <p>Annual Blood Donation Camp – Manipal University has organized blood donation Camps in the university in association with 11 local hospital, NGO and rotary club</p> | <p>Every year, the university has been able to collect approximately 1700 units</p> |
| <p>Regular Computer and Soft skill Training in Government Schools in the above adopted villages</p> | <p>The students of government schools have been initiated into the computer education and soft skill training has been imparted to them.</p> |
| <p>Identification of Promising Rural Youth in sports from the above 5 adopted villages on yearly basis</p> | <p>Some promising young players have been identified and regular training is being imparted to hone their skills.</p> |
| <p>Tree Plantation in the university and schools of adopted villages (4 times in a year) Greenery Maintenance in the Jaipur City</p> | <p>Green club has planted 50 tree plantations in the university and school in the undertakes tree plantation in the university and school .</p> <p>The university with the help of Green club comprising Students undertakes regular maintenance of plantation in the city divider on Ajmer road in Sodala Area.</p> |
| <p>Wall Paintings for message dissemination</p> | <p>University has students undertakes wall painting in the villages to spread message about cleanliness, environment care and girl child</p> |

| | |
|--------------------------|--|
| Dehmi Khurd Activities | The cleanliness drive here has been spearheaded by the tender yet committed school children. The university MIS wings supplied Face masks, broomstick, dustpan, gloves and dustbins etc. MUJ students were lively and active and enthusiastic in their participation. The message of sensitizing the community regarding the virtues of cleanliness was effectively communicated, followed by presentations on Health and Hygiene. |
| Begas Village Activities | The school children at Begas were divided into groups and with the help of our NSS volunteers, all the areas were disinfected systematically. The students were shown a presentation on pollution (sources, types and remedies), health and hygiene. The children were then given posters made by the NSS volunteers. |
| Book and Cloth Donation | The surrounding schools don't have enough notebooks, books and stationary. MUJ students collected books and went for a hostel wide cloth donation drive. Donation boxes were also set up in locations like common room, at the entry gate of all the blocks and in the mess. Huge piles of old books, clothes, shoes and miscellaneous other items were collected and sorted considering their condition and usability & then distributed. |

Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development 2018-19

| S.No | Name of The Activity | Organizing Unit/ Agency/ Collaborating Agency | Date of Activity | Number of Students Participated In Such Activities |
|------|------------------------------|---|----------------------|--|
| 1. | Run Against Drug Abuse | Udupi District Police | 23 September 2018 | 423 |
| 2. | Nukadnatak - Health & Hygien | Govt. School, Dehmikalan | 24 January 2019 | 52 |
| 3. | First Hand On Testing | Ministry Of Health | 24-29 September 2018 | 19 |
| 4. | Passport Awareness Seminar | TCS | 6 July 2018 | 287 |
| 5. | Dental Camp | Garamshika | 10 July 2018 | 13 |
| 6. | Donation Distribution Drive | Robin Hood Army, Jaipur | 22 August 2018 | 41 |
| 7. | Unnat Bharat Abhiyaan Survey | Panchayat Samithi Sanjharia, Begas, Dehmikhalan | 14 August 2018 | 14 |
| 8. | Donation Drive | Garamshika | 30 August 2018 | 83 |
| 9. | Blood Donation Camp | Rotary Club Jaipur | 15 November 2018 | 1700 |

| S.No | Name of The Activity | Organizing Unit/ Agency/ Collaborating Agency | Date of Activity | Number of Students Participated In Such Activities |
|------|--|---|--------------------|--|
| 10. | Renovating The School | Govt. School – Dehmi Kala | 4 September 2018 | 30 |
| 11. | Orientation And Vedic Maths Sessions | Govt. School – Dehmi Kala | 8 September 2018 | 5 |
| 12. | Drawing And Craft | Govt. School –Beagus | 19 September 2018 | 3 |
| 13. | One Day Camp On Sports And Mental Health | Panchayat Samithi Sanjharia | 21 September 2018 | 6 |
| 14. | Plantation Drive | Green Club Jaipur | 20 October 2018 | 11 |
| 15. | National Youth Day Rally | Garamshika | 12 January 2019 | 50 |
| 16. | Pratibimba | Danikbhaskar | 2 February 2019 | 50 |
| 17. | Orientation Program | Robotics Club Jaipur | 18 August 2018 | 60 |
| 18. | Gandhi Jayanti | Hindi Club And J&MC | 2 October 2018 | 200 |
| 19. | Aryavarta | Spicmacay | 4 September 2018 | 50 |
| 20. | Ingenuity | NIIT University | 10 Feb 2018 | 2 |
| 21. | 24th ISCBC | Rajasthan Patrika | 24 - 25 April 2018 | 20 |
| 22. | Awareness Workshop | Rennes School Of Business, ESIGELEC: An Engineering And Technology University, And Campus France, Embassy Of France | 3 December 2018 | 21 |
| 23. | Hands-On Workshop On "Nanostructured Materials And Coatings" | Dol | 24-25 April 2018 | 21 |
| 24. | Industrial Visit To Rajasthan Patrika | Rajasthan Patrika | 8 – 9 March 2019 | 27 |
| 25. | Visit Of Campus France & Embassy Programme | Department of Language MUJ | 23 August 2018 | 150 |
| 26. | Workshop On Translating Poetry | Department of Language MUJ | 14 March 2019 | 49 |
| 27. | Demonstration Of Science Models In Science Exhibition | School of Sciences MUJ | 28 September 2018 | 24 |

| S.No | Name of The Activity | Organizing Unit/ Agency/ Collaborating Agency | Date of Activity | Number of Students Participated In Such Activities |
|------|---|--|-------------------|--|
| 28. | Craft Based Activities, Games, Interactive Sessions | Nss | 14 November 2018 | 9 |
| 29. | Craft Based Activities, Quiz, Stationery Distribution | Dehmi | 14 November 2018 | 10 |
| 30. | Nukkadnattak | Nayasawera | 22 February 2018 | 50 |
| 31. | National Conference On Role Of Forensic Science & Medical Jurisprudence In Criminal Investigation | Biotech Club | 3-4 November 2018 | 25 |
| 32. | Pact Cdr Boot Camp | Basillica Law Firm, New Delhi | 13 November 2018 | 49 |
| 33. | Soft School Development Programme | PACT And ADR Cell, School Of Law | 13 November 2018 | 41 |
| 34. | Judgment Writing Competition | Training And Placement Cell, SOL | 10 September 2018 | 89 |
| 35. | Lecture On Practical Aspects Of Law Of Taxation | School Of Law, MUJ | 22 November 2018 | 85 |
| 36. | Drug Awareness Camp | Laxmikumaran And Sridharan Law Firm, New Delhi | 18 April 2019 | 50 |
| 37. | Juvenile Justice Board & Observation Home | Garamshika | 26 March 2019 | 30 |



Social Outreach Porgramme



Social Outreach Porgramme

| S.No | Name of The Activity | Organizing Unit/ Agency/ Collaborating Agency | Date of Activity | Number of Students Participated In Such Activities |
|-------------|--|--|-------------------------|---|
| 38. | Awareness Workshop On Rural Development Schemes | Garamshika | 29 January 2019 | 25 |
| 39. | Fun Games For Children's | Chahat Women Welfare Society | 6 Feb 2019 | 49 |
| 40. | Personality Development Through The Art & Craft | Chahat Women Welfare Society | 15-16 February 2019 | 30 |
| 41. | Mathematics Awareness Camp | Govt. Sr.School, Sanjharia | 15 October 2018 | 50 |
| 42. | Workshop On Data Analysis Using R | Govt. Sr.School, Sanjharia | 4-8 Feb 2018 | 65 |
| 43. | Rang De! | Govt. Sr.School, Sanjharia | 11 March 2019 | 30 |
| 44. | Teaching For Economical Challenged Child And Mid Day Meal Distribution | Centre Start Up Cum NGO | 30 October 2018 | 50 |
| 45. | Mid Day Meal Scheme | SAY(Society And You) Club, MUJ | 21 November 2018 | 24 |
| 46. | Awareness About On Line Return Filling & Savings | Muj | 28 February 2019 | 10 |
| 47. | Creative Development Of Mental And Physical Health | Raghukul NGO | 15 March 2019 | 20 |
| 48. | Pragyan 1.0 - Chain Of Positive Thought To Pursue Dreams | Raghukul NGO | 19 December 2018 | 28 |
| 49. | Pragyan 2.0 - Empathy, Love & Care Social Responsibility For Adulthood | Raghukul NGO | 16 January 2019 | 32 |
| 50. | Pragyan 3.0 - Academic And Career Advice For Intermediate Student | Raghukul NGO | 14 February 2019 | 27 |

| S.No | Name of The Activity | Organizing Unit/ Agency/ Collaborating Agency | Date of Activity | Number of Students Participated In Such Activities |
|------|--|--|------------------|--|
| 51. | Pragyan 4.0 - Social Responsibility And Change | Raghukul NGO | 7 March 2019 | 34 |
| 52. | Choose The Right Path - Career Guidance | Raghukul NGO | 02 March 2019 | 35 |
| 53. | Electric System Awareness Program | Gramiksha | 11 January 2019 | 15 |
| 54. | Electric System Awareness Program | Bhartiya Skill Development University And NCC | 30 March 2019 | 15 |
| 55. | Rural Sanitation, Health And Hygiene | Bhartiya Skill Development University And NCC | 11 January 2019 | 13 |
| 56. | Old Book And Cloth Donation Drive | Dst Rajasthan | 15 January 2019 | 15 |
| 57. | Wall Painting Activity | Civil Engineering Department, Manipal University Jaipur | 18 August 2018 | 8 |
| 58. | Mid Day Meal School Via Akshaypatra | Civil Engineering Department, Manipal University Jaipur | 24 January 2019 | 16 |
| 59. | Swachh Bharat Abhiyan Through Akshaypatra | Learnit (Student Club Of Department Of IT) And Akshaypatra | 2 October 2018 | 26 |
| 60. | SPIE Outreach Activity | Learn IT (Student Club Of Department Of IT) And Akshaypatra | 2 March 2019 | 21 |



Alumni Meet

| S.No | Name of The Activity | Organizing Unit/ Agency/ Collaborating Agency | Date of Activity | Number of Students Participated In Such Activities |
|-------------|--|--|-------------------------|---|
| 61. | Safety Workshop On Traffic | SPIE And Gramiksha | 4 February 2019 | 14 |
| 62. | Rider Safety Event | RPM Club | 7 February 2019 | 15 |
| 63. | Road Safety Event | RPM Club | 8 February 2019 | 74 |
| 64. | Voting Awareness Rally | Muskaan NGO | 24 November 2018 | 9 |
| 65. | Rajasthan Patrika Visit | Muskaan NGO | 8 - 9 March 2019 | 57 |
| 66. | Book & Accessories Donation | Green Club Jaipur | 5 March 2019 | 43 |
| 67. | Teaching - Learning Activity | Rotary Club Jaipur | 9 March 2019 | 21 |
| 68. | Awareness Workshop On Faecal Sludge Management At MNIT, Jaipur | Bill & Melinda Gates Foundation | 2 August 2018 | 57 |
| 69. | Awareness Workshop On Faecal Sludge Management At Poornima University Jaipur | Bill & Melinda Gates Foundation | 10 August 2018 | 88 |
| 70. | Awareness Workshop On Faecal Sludge Management At Rajasthan Technical University Kota | Bill & Melinda Gates Foundation | 13 August 2018 | 95 |
| 71. | Awareness Workshop On Faecal Sludge Management At IIT, Tripuati | Bill & Melinda Gates Foundation | 20 August 2018 | 40 |
| 72. | Awareness Workshop On Faecal Sludge Management At SRM, Tamil Nadu | Bill & Melinda Gates Foundation | 21 August 2018 | 130 |
| 73. | Skill Based Short Term Training Program On Electrical Discharge Machining & CNC Machine Tool | DST, Rajasthan And MUJ | 22 September 2018 | 30 |
| 74. | Skill Based Short Term Training On Advance Welding | DST, Rajasthan And MUJ | 20 December 2018 | 30 |

| S.No | Name of The Activity | Organizing Unit/ Agency/ Collaborating Agency | Date of Activity | Number of Students Participated In Such Activities |
|------|---|--|-------------------|--|
| 75. | Advanced Information And Communication Technology (ICT) Awareness And Its Usage | DST, Rajasthan And MUJ | 18 October 2018 | 30 |
| 76. | Drawing And Sports Competition | Govt. School - Sangharia | 25 October 2018 | 20 |
| 77. | Coloring Competition | Govt. School - Sangharia | 20 September 2018 | 25 |
| 78. | Janmasthanmi Celebration | Akshyapatra | 31st Aug 2018 | 57 |
| 79. | ART Of Controlling Mind | Akshyapatra | 8 February 2019 | 30 |
| 80. | Good To Great Series | Akshyapatra | 16 April 2019 | 24 |
| 81. | Improvisation: Self-Management, Be A Leader, De-Stress & Rejuvenation | Akshyapatra | 24 November 2018 | 132 |
| 82. | Learn Bhagwat-Gita In Just 5 Hours | Akshyapatra | 10 November 2018 | 24 |
| 83. | Know The Manual | Akshyapatra | 20 November 2018 | 13 |
| 84. | Electric System Awareness Programme | Bhartiya Skill Development University And NCC | 22 November 2018 | 15 |
| 85. | Arts And Craft | Rajkiya praveshika Sanskrit Vidhyalaya, Dabur Dehra | 19 October 2018 | 30 |
| 86. | Bringing Close To Nature | Rajkiya Adarsh Madhyamik Vidyalaya, Fatehpura (Jhotwada) | 23 September 2018 | 20 |
| 87. | Mentoring On Computer Based Learning Skills | Panacea And Government Sec. School, Thekariya | 14 September 2018 | 11 |
| 88. | Rural Development Scheme For Women And Child | Rural Development And Panchayat Raj Department | 11 January 2019 | 45 |
| 89. | Basic Learning Skills Development | Smt kamla Devi Budhiya Government School, Ajmer Road | 10 February 2019 | 3 |
| 90. | Education And Learning Participation Activity | Sunil Higher Secondary School, Bagru, Jaipur | 25 March 2019 | 2 |

| S.No | Name of The Activity | Organizing Unit/ Agency/ Collaborating Agency | Date of Activity | Number of Students Participated In Such Activities |
|------|--|---|-------------------|--|
| 91. | Youth Awareness Work | Akshayaptra Foundation At Jagatpura Road, Jaipur | 21 April 2019 | 25 |
| 92. | Social Connect Activity | Rajkiya Ucchprathmik Vidhyalya | 23 March 2019 | 30 |
| 93. | Social Connect Program On Swachh Bharat Abhiyaan | Hingoniagaushala, Akshyapatra Jaipur | 23 March 2019 | 24 |
| 94. | Health And Awareness | Panchayat Raj Begus | 18 April 2019 | 97 |
| 95. | Village Cleanliness Initiative | Panchayat Raj Dehmikalan | 15 March 2019 | 89 |
| 96. | Brain Rain | From Government Senior Secondary School, Dehmikalan | 18 January, 2019 | 110 |
| 97. | Blood Donation Camp | JSG Central Sanasthan, Jaipur | 20 April 2019 | 300 |
| 98. | Tedx-'18 | Tedx | 10 February 2018 | 351 |
| 99. | Smart Village | ITI, Bagru | 15 June 2019 | 36 |
| 100. | Women Menstruation Health And Hygiene | Govt. Girls College, Bagru | 4 February 2018 | 41 |
| 101. | Breast Cancer Awareness | Govt. Girls College, Bagru | 31 October 2018 | 61 |
| 102. | ICT Knowledge Sharing In Village | TDTC | 11 April 2019 | 15 |
| 103. | Book & Accessories Donation | Green Club Jaipur | 23 November, 2018 | 43 |
| 104. | Teaching - Learning Activity | Rotary Club Jaipur | 12 October 2018 | 21 |



VI
Green Initiatives and
Waste Management
at MUJ



Green Initiatives and Waste Management at MUJ

Rain water harvesting structures and utilization in the campus

MUJ has initiated and executed the rooftop rainwater harvesting in all the buildings of the university, including hostels. Rainwater is collected from rooftops of buildings from existing sources which are connected to a common header and led to a trickling sand filter. The filtered water is then used for domestic purpose after chlorination. Rainwater harvesting is also done by diverting storm water

drains towards ponds in order to recharge the ground water.

University has four rainwater storage ponds with capacity of 16625 KL and six water tanks with the capacity of 700 KL. The water which gets stagnated on low lying road outside the university compound wall is also channelized to these storage tanks.

All drains are provided with filters for allowing water to reach the soil and thus keep increasing/sustaining ground water level. This helps in recharging the ground water.



Glimpses of Green Initiatives at MUJ

Waste Management initiatives at Manipal University Jaipur

- Solid waste management
- Liquid waste management
- E-waste management

Solid waste management:

Waste management & recycling helps the campus to achieve its goal to reduce the amount of waste production. There are more than 740 recycling bins on the campus which are used to collect paper, plastic and aluminum cans,

newspaper and cardboard waste, for recycling. Although, the university diverts more than 50% of its waste to landfills, but the goal is to reach 70% before 2020.

MUJ recognizes the importance of its role in working with its supply chain and others, which can help to avoid or minimize the waste generation by working with the waste collection authorities. The university is committed to best practices in reducing and managing waste effectively and innovatively and integrating this policy within all department, at all levels. The average values for the last five years.

| | |
|--|------------------|
| Total Waste generation per year | 113400 Kg |
| Plastic (Kg) | 864 Kg |
| Papers (Kg) | 112536 Kg |

❖ **Liquid waste management**

1. Water Management

Overnight leak tests, by taking meter reading before and after a period of occupancy is done to identify any leaks or overflows occurring in the building. The specification and design of all water systems enable the management staff to monitor the system by remote means. While good design of water systems will reduce the amount of water used at MUJ, the habits of the students and staff at the university are critical and instrumental to bring about transformational change. University operates an irrigation monitoring program, specifically designed to conserve water and reduce runoff from the campus. The irrigation schedule is administrated by an advanced automated central control system based on historical irrigation practices.

Targets to be achieved from water consumption:

- To Reduce the unit cost of water
- To Reduce the volume of mains water used
- Water monitoring
- To Investigate its own sources

2. Waste water treatment

Waste Water treatment process facilitates the treatment of

existing contaminants in the water or reduces the concentration of such contaminants so that the water becomes fit for the desired use.

The average waste water generated in the campus is 1837 KLD. The average waste water treated in the 4 STPs (1850 KLD Plant) is 1670 KLD. The entire treated water is used for toilet flushing, watering the gardens and maintaining lawns in the campus. The sludge settled in the STPs is removed four times a month and is composed and used as manure for the gardens. Thus, the entire waste water which is generated in the campus is treated and used.

❖ **E-Waste management**

E-waste collected at the site is transferred for wiping or recycling to the local vendors on monthly basis. Students are encouraged to dispose of any unwanted electronics with IT Dept.

Examples of electronic waste:

- TVs, computer monitors, printers, scanners, keyboards, mics, cables, television tubes (CRTs) etc.
- Kitchen equipment (toasters, coffee maker, microwave ovens)
- Laboratory equipment



Glimpses of Green Initiatives at MUJ

VII

Significant Event Gallery



Significant Events

Manipal University Jaipur, from time-to-time has been consistently conducting, coordinating and doing the activities effectively engaging the students, faculty and society. Following is the gist of activities conducted by the University in academic year 2018-19:

| S No | Details | Number of events/activities |
|------|--|-----------------------------|
| 1. | Initiatives to address locational advantages and disadvantages | 11 |
| 2. | Activities to engage with and contribute to local community | 27 |
| 3. | Campaigns and activities to increase consciousness about national identities & symbols, Fundamental Duties and Rights of Indian citizens | 03 |
| 4. | Activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion | 21 |

The photo gallery here showcases celebration of some events of significant events at Manipal University Jaipur

Global Communication Conclave



Independence Day



Holi Festival



Rajasthan Diwas



Women's Day



Republic Day



Annual Retreat



Founder's Day



Karnataka Mahautsav



E-Conclave



Motor Sports Conclave





VIII Sports Activities

Sports Activities 2018-19

(1) National Sports Day 2018

29th August is celebrated as the 'National Sports Day' in memory of legendary Hockey player Major Dhyan Chand and it happens to be the birth anniversary of Major Dhyan Chand, who made India proud by his extraordinary sporting skills. To give tribute to such a great personality in the field of sports, Manipal University Jaipur organized a Marathon (8 Kms), Run for Fitness on August 29th, 2018 at 06:00 AM. Prof G.K. Prabhu, President, MUJ was the chief guest of the award ceremony and addressed a motivational talk to youth.



(2) Felicitation of Ms. Manini Kaushik

Manipal University organized a felicitation ceremony of Mr Manini Kaushik who Shot Gold (Women Team India) with New Record in World 10 Meter Air Rifle Championship in 52nd International Shooting Sports Federation (ISSF) World Championship Changwon, South Korea.



(3) All India Inter-University Squash Rackets (Men & Women) Tournament 2018-19

Manipal University Jaipur organized the All India Inter-University Squash Rackets (Men & Women) Tournament 2018-19 from 16-18 October 2018. The result of the All India Inter-University Squash Rackets (Men & Women) Tournament 2018-19 are as follows.

[I] MEN

| Position | Name of the University |
|----------|--|
| First | University of Delhi |
| Second | University of Mumbai |
| Third | University of Madras |
| Fourth | Savitribai Phule Pune University, Pune |

[II] WOMEN

| Position | Name of the University |
|----------|--|
| First | University of Madras |
| Second | Manipal Academy of Higher Education, Karnataka |
| Third | University of Delhi |
| Fourth | Pandit Ravishankar Shukla University Raipur |

(4) MUJ Xpression 2018-19 (Cultural and Sports Fest)

Manipal University Jaipur organized MUJ Xpression 2018 (Cultural and Sports Fest) for Teaching and Non-teaching Staff from 13-19 December 2018 at Manipal University Jaipur to promote physical fitness and health related aspects (reducing mental stress, recreation etc.) by active participation in the same and to break the monotony of the MUJ Faculty and Staff.



(5) ABHIVARTA 2019 – Annual Sports Festival

Manipal University, Jaipur organized its premier national level sports festival “ABHIVARTA – 2019” at Manipal, concluded on 16th – 17th of Feb' 2019. Is an annual event of Manipal, which receives participation of the teams for various sports across the Nation. This than 21 teams across the country participated very enthusiastically for almost one included various outdoor and indoor games like Cricket, Football, Volleyball, Basket-ball, squash, Boxing, Chess, Carom and many more.

The event was inaugurated by former lead cricketer of Rajasthan Mr Vilas Joshi, Chief Selector JCB and a senior SBI officer. Who shared his thoughts about the importance of sports in today's life and the impact of sports on the personality of an individual. After the series of sports events for two days the annual festival came to an end with by Dr Subir Debnath, Head Physical Education, MNIT, Jaipur an eminent international sports person and an official BCCI fitness trainer. Students felt motivated and enthusiastic with his presence. The teams left for their abode with the commitment of participating again next year in “Abhivarta – 2020”.



(6) National Seminar on Physical Education and Sports Science

Department of Arts (Physical Education) and Directorate, Student's Welfare Manipal University Jaipur, under the guidance of Prof.N.D. Mathur and Dr Rina Poonia organized a National Seminar on the theme “Development of Sports and Fitness in Schools and Universities of Rajasthan” on March 01, 2019. Padma Shree Bajrang Lal Takhar graced the occasion as the Chief Guest and Mr Gaurav Sharma was the Guest of Honor. Dr Krishna Kant Pathak, IAS, Commissioner Industries, Jaipur was the Chief Guest in the valedictory ceremony. In the event, 150 delegates participated in the seminar from various schools and universities of Rajasthan and other states.



(7) Pre-International Yoga Day 2019

The Department of Arts (Physical Education), Manipal University Jaipur organized the Pre-International Yoga Day from 17-19 April 2019 at the campus premises. It was a preparation for International Yoga Day (21st June 2019) to promote yoga awareness and its accrued benefits among MUJ faculty, staff and students through yoga.



(8) AIU Annual General Meeting 2019-20

Manipal University Jaipur organized the 30th Annual General Meeting of Sports Board and Sports Committee, AIU for the year 2019-20. Six Members from East, West, North and South Zone Board participated in the meeting. The meeting was graced by 30 members including Prof Sandeep Sancheti, President AIU; Dr Baljit Singh Sekhon, Joint Secretary AIU; Prof G.K. Prabhu, President, MUJ; Prof N.N. Sharma Pro-President, MUJ; Dr Rina Poonia, Organizing Secretary, AGM.



(9) International Yoga Day 2019

"Yoga is like music: the rhythm of the body, the melody of the mind, and the harmony of the soul create the symphony of life." B.K.S. Iyengar. AT 7:00 am, on the 21st of June 2019, Manipal University Jaipur witnessed a gathering of like minded staff and students who got together to participate and promote the Fifth International Day of Yoga by engaging themselves in a yoga session. This event initiated by the Ministry of Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homoeopathy (AYUSH) was an excellent opportunity to celebrate our rich cultural heritage in an active manner. After a few short words of introduction, the Dean of the Directorate of Student Welfare, Professor G.L. Sharma briefly impressed upon the gathering some of the benefits and advantages of practicing Yoga regularly. Mr Jasbir Singh from the Department of Arts (Physical Education) led the gathering through the common Yoga protocol prescribed by the GOI. This included Asanas (standing, sitting and lying), Pranayama's and meditation. All the participant thoroughly enjoyed themselves in this combined exercise of the mind, body and soul. At the end of the program, the President, Dr G.K. Prabhu congratulated all the participants for their keen interest and urged them to keep at it so that they may continually refresh themselves to face an exciting and challenging work environment. The program concluded with all the participants being served specially prepared Satvik refreshments.



(10) Yoga Session for Faculty Members

Directorate of Students' Welfare and Department of Arts (Physical Education) organized Yoga Classes for Manipal University Jaipur Faculty Members from 15-25 July 2019. The faculty members were very happy to join the classes and were benefitted by the same.



(11) Induction Program Activity

Directorate of Students' Welfare, Sports actively supported in the induction program of Engineering and Non-engineering students organized from 22-29 July 2019. Deputy Director with the help of nucleus members and Sports Officer engaged the students in an enthusiastic manner in the plantation, sports activities and class activities.



(12) MUJ Intra University Sports Activities 2018-19

Manipal University Jaipur organized Intra University Sports Activities for the students of the University in various sports in the session 2018-19.



| S. No. | Name of Event / Sport | Date(s) | Venue |
|--------|---------------------------------------|---------------------|--------------------------|
| 1 | National Sports Day | 29 August 2018 | MUJ Campus |
| 2 | Basketball (Men & Women) | 10-12 October 2018 | Basketball Court |
| 3 | Volleyball (Men & Women) | 10-12 October 2018 | Volleyball Court |
| 4 | Football (Men & Women) | 12-13 October 2018 | Football Ground |
| 5 | Squash (Men & Women) | 12 October 2018 | Squash Court |
| 6 | Chess & Carom (Men & Women) | 23-24 October 2018 | 1 AB - Room No. 002 |
| 7 | Table Tennis (Men & Women) | 30-31 October 2018 | Table Tennis Room |
| 8 | Archery (Men & Women) | 22-23 November 2018 | Archery Ground |
| 9 | Cricket (Men & Women) | 22-24 November 2018 | Cricket Ground |
| 10 | Tennis (Men & Women) | 29-30 November 2018 | Tennis Court |
| 11 | Badminton (Men & Women) | 04-05 December 2018 | Badminton Court |
| 12 | Faculty Sports (Men & Women) | 19-20 December 2018 | Sports Ground |
| 13 | ABHIVARTA - National Sports Fest 2018 | 16-17 February 2018 | Respective Sports Fields |





MANIPAL UNIVERSITY

JAIPUR'S

CENTRAL LIBRARY

IX
Library Resources

Library Resources



Manipal University Jaipur's Central Library is the hub for academic information services in the University and serves as a major Learning Resource Centre. The Central Library has a spacious area of 2319 Sq m that exudes peaceful learning environment. The Library is fully air-conditioned with the seating capacity of 450. The Central Library has various sections like Circulation Desk, Technical Section, Reference Section, Book stack area-Engineering, Books stack area-Non engineering, Periodical section, and has five discussion rooms. Further, the Library has Digital library, Back volumes section, Project reports section, Thesis section, Research Wing, Competitive Exam section, and an Open Reading Hall.

Apart from the Central Library, Faculty of Design, and Faculty of Art & Architecture have separate Libraries with a seating capacity of 100 each, and every School of the University has its own department Libraries.

Library Collection

The Library has a collection of 57800 books with 14500 titles on various subjects and over 3000 reference books covering atlases, biographies, dictionaries, directories, encyclopaedias, handbooks, manuals, yearbooks, as well as other reference books. It subscribes about 300 national and 50 international print journals and holds over 450 project reports and 50 Ph.D Theses.

The Central Library added 7120 books at a cost of INR

36.06 Lacs, Faculty of Design Library added 476 books at a cost of INR 15.89 Lacs, and Faculty of Arts & Law Library added 1174 books at a cost of INR 5.68 Lacs during the year 2018-19.

Rare Books

Rare Book collection of the Manipal University Jaipur consists of books, manuscripts, and reports maintained in the Central Library to support the information needs of the students, faculty and the research scholars for their specific study and reference purposes. The Central Library holds about 1000 books in its rare book collection from the year 1800, available in the form of e-book collections and in the Institutional Repository. They include the documents on Indian Constitution, Britain & Russian constitutions, Ancient Indian culture, various regimes, dynasties, cultures, religions and subjects like astronomy, economy, literature, science and Technology etc.

Library e-Resources

The Digital Library has 15 computers and subscribed 20 E-Resources for the year 2018-19 at a cost of INR 120.11 Lacs, include 17900 e-journals, manuals, reports, standards, and other information from ASCE, ASME, EBSCO Art & Architecture Complete, EBSCO Business Elite, EBSCO Hospitality & Tourism Complete, Emerald Premier e-journals, Taylor and Francis, DELNET-Proquest, DELNET-INFOTRAC, IEEE, SIAM Journals, LexisNexis,

Manupatra, Supreme Court Cases, AIR online, EPW India Times, Mc GrawHill Science & Engineering Access, Science Direct, and World E-Books. The Digital library holds about 2500 CDs and DVDs.

Library Services

The Library is kept open from 8 am to 11 pm on weekdays and 9 am to 6 pm on Saturday, Sunday and other holidays. The UG and PG Students can borrow 3 books for the period of 15 days. The Research Scholars and faculty can borrow 8 books for the period of 3 months. The Central Library extends photocopying and printing service of few pages of books, journal articles, and previous years' University question papers at a nominal charge.

Remote Access with Mobile App

The Central Library provides off campus access to all its subscribed contents to the students, faculty, and research scholars through username and password using knimbus software. Further, the library has implemented mobile App facility and the users can access all library resources through mobile technology.

Institutional Repository

The Central Library has established an Institutional Repository using Dspace: A Digital Library Software. Faculty Publication, Institution Publications, Conference Proceedings, Lecture Notes, Video Lectures, Course Syllabus, Previous year question papers, Project Reports, Theses, etc. are made available in the Institutional

Repository.

Academic Integrity

The Central Library extends research support to the researchers and faculty by providing Turnitin: A Plagiarism checking software. Further, the library is an institutional member in INFLIBNET and accessing URKUND plagiarism checking software also.

Institutional Member

The Central Library is a Member of DELNET, INFLIBNET, e-ShodhSindhu, ShodhGanga, Current Science, Indian Academy of Social Sciences, British Council Library, and American Library and the users are accessing these library services.

Library Automation and Security

The central Library employs RFID technology for access control, automatic issue and return of library documents, and stock verification of library holdings. The library has Koha: An Open Source Library Management Software for all library operations from the year 2018.

Library Orientation Programme

The Library conducted orientation programme for the all first-year students on Library resources, facilities, and services. The trainers from various e-resources are being provided training to the all students, Research scholars and faculty members periodically.



OUR GROUP ALUMNI LEADING THE WORLD



SATYA NADELLA
CEO, Microsoft Corporation



VIKAS KHANNA
Celebrity Chef



BANMALI AGRAWALA
President - Infrastructure,
Defence and Aerospace, Tata Sons



DATO'S Dr SHEIKH MUSZAPHAR
Malaysia's First Astronaut



RAJEEV SURI
CEO, Nokia Siemens Networks



George Muthoot
Chairman, Muthoot Group

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Students



10 L Alumni
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WORLDWIDE MANIPAL



(indicative map - not to scale)

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