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## At a Glance 2018-19

|           |   |
|-----------|---|
| <b>25</b> | International MoUs/<br>Agreements signed  |
| <b>7</b>  | No. of Countries covered<br>through MoUs  |
| <b>29</b> | Incoming Foreign delegations<br>& faculty |

### Student exchange

|           |           |
|-----------|-----------|
| Incoming  | Outgoing  |
| <b>14</b> | <b>32</b> |

## Newsletter Team

Dr. Amit Jain  
Director, DOIC

Dr. Santosh Patil  
Deputy Director, DOIC

Dr. Siddharth Koduru  
Member, DOIC

Designed & Edited by  
Ar. R. Pushkala  
SA&D

## Message from The President, MUJ



Collaborations and Internationalization is one of the key strategic initiatives at Manipal University Jaipur. Networking with professionals in one's area of study, areas immediately connected with it as well as distantly related to it is becoming increasingly necessary for growth. Collaborations at MUJ are dedicated to academic synergisation and research association with Frontline Universities/Institutions. There has been a considerable progress on the collaboration front in last one year in terms of new MOUs, student exchanges and faculty visits at MUJ. I congratulate the entire team of Directorate of International Collaborations for their efforts in bringing the first issue of Newsletter and wish them all the success in future endeavors.

*-Dr. G K Prabhu*

## Message from Pro-President



I appreciate the initiative undertaken by the Directorate of International Collaborations and congratulate them for the successful launch of the inaugural Issue of newsletter – Synergy. This newsletter highlights MUJ's Student Centric approach of providing global exposure and experience. I wish great success in all the endeavors of Directorate.

*-Dr N.N. Sharma, Pro-President, MUJ*

## Message from Registrar



I take this opportunity to congratulate and appreciate the initiative of the Directorate of International Collaborations for launching Newsletter "Synergy". The Newsletter attempts to create awareness regarding International Collaborations of MUJ. The name Synergy itself signifies Collaboration and Cooperation. Best wishes for future endeavors.

*-Dr H. Ravishankar Kamath, Registrar, MUJ*

## Message from The Director, International Collaborations



International Collaborations at MUJ facilitate quality education and training to produce world class professionals. Directorate of International Collaborations at MUJ endeavors to provide opportunities to its students and faculty to stretch their wings towards global networking. In addition to several new MOUs with highly ranked international Universities and institutions, several student and faculty exchanges were facilitated by the Directorate during the year. Our Collaborations now span to 20+ countries covering all parts of the world. I am thankful to Hon'ble President, Pro-President and Registrar for their guidance and support. I express my sincere appreciation and gratitude to the Deputy Director and entire team of nucleus members for their untiring efforts and unending enthusiasm.

*-Dr. Amit Jain*

# About DOIC

## Directorate of International Collaborations

The Directorate of International Collaborations has been created to further internationalization initiatives and partnerships. The Directorate facilitates collaboration and partnerships with institutions globally for student and faculty exchange, semester abroad Programme, student mobility and higher education opportunities. The Directorate is headed by Dr. Amit Jain, Director and supported by Dr. Santosh Patil, Deputy Director. A team of faculty members acting as nucleus members further strengthen and support the activities of the Directorate.

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 - industries, research institutes, consulting firms and laboratories. Manipal University Jaipur has over 53 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.

## The Team



Dr. Amit Jain  
Director



Dr. Santosh Patil  
Deputy Director



Ms Neha V Sharma



Mr Mahipal Bukya



Dr Saad Ullah Khan



Dr. Dhaneshwar Mishra



Dr Narender Singh Bhati



Ms Deepika Kaur



Ms Anita Shrotriya



Dr Mohd. Rizwanullah



Dr Siddhartha Koduru



Prof Sandeep Joshi



Dr Monika Sogani



Dr Sanyog Rawat



Prof. Manish Tiwari



Mr Harshwardhan Soni



Dr Akhilesh Kumar Sharma



Dr. Sonu Agarwal



Ms Kavita



Mr Gaurav Prasad



Dr Praveen Kumar Surolia



## Visits of International Delegations and Interactions

The Directorate of International Collaborations 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. Students and faculty of partner institutes willing for association with MUJ are always welcome.

## Facilitation for Student Exchange and International Experience

The Directorate facilitates outgoing students of MUJ to enjoy living and working 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 CV of a student but also helps in developing professional contacts and stand out to potential employers.

The Directorate of International Collaborations tries to capture all possible student enquiries related to student exchange and addressing them effectively. To strengthen academic relationship presentations by partner institutions and delegations visits are organized on regular basis for students willing to pursue further studies abroad. The Directorate also coordinates in organizing and activating programmes to improve social and cultural skills like International Culture Day, Cross Cultural Culinary workshops, Cultural Immersion and exploration visits.

## Facilitation for Faculty Exchange and International Experience

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 reputed 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.

## Memorandum of Understanding (MOUs)

The Directorate coordinates signing of MoU's and Agreements for Collaboration, Partnerships and Exchange Agreements. The Directorate also coordinates the functioning of existing MoU's and Agreements and specific activities undertaken. Nodal officers are appointed amongst the faculty members for better support and facilitation to students.

## New Initiatives by DoIC

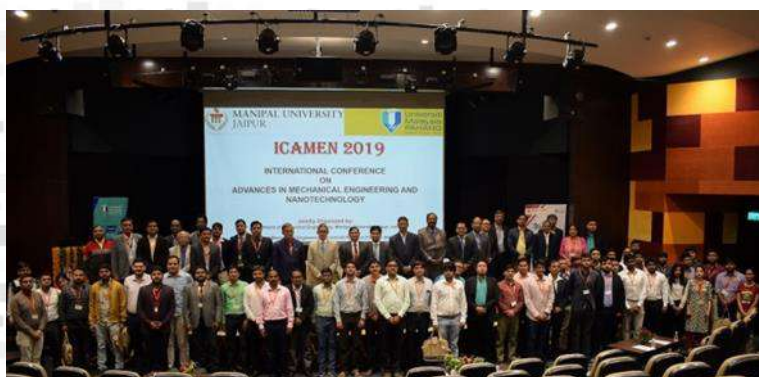
The Directorate of International Collaborations (DoIC) in its endeavour to promote international collaborations and active participation from MUJ has initiated some major step in the past year.

Some of them are as listed below:

- \* Nucleus Members Team formed with faculty members for promoting International Collaborations
- \* Organization of Structured Summer School 2019
- \* Designing and circulation of mailers for MoUs to all faculty and students
- \* Scholarship opportunities are shared with students on regular basis
- \* Development of Processes and Procedures for Student Exchange, Semester Abroad Programme
- \* Organization of Workshops on Funding Opportunities
- \* Organization of Workshops to help students prepare for IELTS and TOEFL
- \* Workshop for HOD and Faculty to harness potential of MOUs
- \* International Day Celebrations and International Culinary Workshops
- \* Creation of EU Portal PIC ID and submission of 3 Proposal under CBHE/ICM Project of EU

# Visits & Interactions

## International Conference on Advances in Mechanical Engineering and Nanotechnology



A two day International Conference on Advances in Mechanical Engineering and Nanotechnology - ICAMEN2019 (March 08-09, 2019) was organized at Manipal University Jaipur. The conference was a joint venture of Department of Mechanical Engineering (MUJ) and Faculty of Mechanical Engineering, Universiti Malaysia Pahang, Malaysia. The focal theme of the conference was the ongoing advances in the field of Mechanical Engineering and Nanotechnology. Delivering the welcome address, convener of the conference, Professor Rahul Goyal states the relevance and implications of nanotechnology on biofuel and development of other allied fields. Prof. G. L. Sharma, who chaired the conference, explained the importance of academic conferences and the necessity of co-operation between different universities for the further development of technology. Prof. Jagannath Korody (Dean, Faculty of Engineering at MUJ) zero in on the importance of practical, experiment-based education, and relevance of industry-academia connect for betterment in engineering education. Vice Chancellor (Universiti Malaysia Pahang) Professor Dato' Sri Dr. Daing Mohammed Nasir Daing Ibrahim, vice Chancellor of UMP, Malaysia was the Chief Guest and shared the benefits of collaboration in making the technical universities stronger. Prof. Rizalman Mamat was the Guest of Honour and also presented a plenary address on Renewable Energy resources. Mr Akhilesh Prasad, Ex GM of SAIL was another Guest of Honour and shared his experience and promoted industry-academia connect.

The conference screening committee received more than 180 papers from all parts of the globe. 90 papers were selected after proper screening and review for presentation. There were altogether four keynote addresses and eight invited talks. Papers were presented from India as well as abroad namely Indonesia, Malaysia, Serbia, Oman, Saudi Arabia etc. Dr. Rizalman Mamat, Dean, UMP thanked MUJ for hospitality and providing UMP opportunity to be a collaborative partner for this conference. Dr. Santosh Patil, who was the organizing secretary of the conference, delivered the formal vote of thanks. The faculty members of Department of Mechanical Engineering (MUJ) played a pivotal role for making this conference successful.

## Seminar on Education Opportunities in USA



Directorate of International Collaborations and IAESTE LC MUJ organized a Seminar on 'Education Opportunities in USA' on January 31, 2019 at Old Auditorium.

The prime speaker was Mr. Rajkamal Rao from Rao Advisors LLC, Bedford, Texas USA. Mr. Rao is part of IUCEE consortium of which (DIC) MUJ is also a member. IUCEE has robust resources to help students, including the ability to directly interact with program leaders about specific topics related to their careers.

The workshop was attended by Faculty members and Graduate students. The topics of discussion ranges from CV preparations to immigration and jobs etc. in U.S. The students learned a lot regarding higher education module in U.S. and how to approach U.S. institutions in this regard.



## Australian Education Expo organized by Directorate of International Collaborations

Directorate of International Collaborations (MUJ) in association with IAESTE LC MUJ and Global Reach organized Australian Education Expo 2019 on Jan 22, 2019 at Old Auditorium of MUJ.

Almost 28 Australian Universities represented Australian Higher Educational Institutions. President MUJ, Prof. Dr. G. K. Prabhu inaugurated the event. The President stated the importance of overseas higher education and its relevance in the contemporary scenario. In the expo, the students were imparted in-depth knowledge and guidance for admissions and scholarships in Australia.

A Counselling Desk for Lodging and Boarding in various Australian cities was also established. Students from almost all classes and diversified backgrounds interacted with the Counsellors in order to understand the procedure and importance of pursuing Higher Education from Australia.



## Interactive Session by KEDGE Business School, France

Directorate of International Collaborations MUJ organized an information session for undergraduate students of school of Business & Commerce on 'Education Opportunities in France' on February 15, 2019 at room no. 313, 2 AB, Manipal University Jaipur.

The prime speaker was Mr. Prayag Raj Tripathi from KEDGE Business School (India office). Mr. Prayag shared the education opportunities in France for the students for their higher studies. He also discussed the need and the current scenario in study abroad programs in business management.

The session was attended by DIC team and under graduate students of School of Business & Commerce (BBA & B.Com). The students were able to explore the foreign opportunities available and how to approach for the same.



## Guest Lecture by Chinese Architects on Heritage Preservation

A guest lecture was organized by Interior Design Department on Heritage Preservation. Wang Qian and Yi Ye, architects and Interior Designers from China visited Manipal University Jaipur. The talk was around their portfolios focusing on "Heritage Preservation" and was followed by an interactive session with the students.

The delegates were felicitated by Prof Madhura Yadav (Director SA&D), Ar. Sneh Singh (HoD of Interior Design Department) and Dr. Santosh Patil (Deputy Director - International Collaborations). The session was organized by faculty of Interior design, Ar. Sonali Jain in collaboration with Directorate of International Collaborations.

More than 40 students and faculties attended the session, from which they got an insight on Conservation and History as well as they were introduced to a different perspective towards design. The purpose of the session was to open doors to new realms of design world.



# Visits & Interactions

## Snapshot

- \* 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 Buisine, Professor at Nanterre Campus, CESI, 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.
- \* 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, 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 IndoGenius.
- \* Arizona State University's Experts visited MUJ and interacted with faculty members and students of Science and Humanities streams on 06 April 2019.



# Faculty Engagement

## Faculty Exchange & International Experience

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



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

Dr Amit Jain, 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.



**Glimpses of Prof Amit Jain, Director, DoIC visiting various Universities in Australia**

- \* Dr Monika Sogani, Department of Civil Engineering, MUJ visited University of Cambridge, UK from 7 May to 24 July 2018 as part of research work undertaken at CEB, UC.
- \* Ms Anubha Parashar, Department of Computer Sciences, MUJ visited University of Zagreb, Croatia from 3-16 September 2018 to present paper as part of International Conference.
- \* Dr Amit Rathi, Department of Electronics and Communication Engineering, MUJ visited Tsinghua University, Beijing, China from 18 March to 1 April 2019 to explore possibilities of development of lab at MUJ. Also collaborative research work and joint events were also planned.
- \* Around 64 faculty members of MUJ visited various international Universities to present papers during 2018-19. They visited countries like Thailand, Malaysia, Canada, Singapore, Nepal, China, South Korea, Serbia, Switzerland, Sri Lanka, Dubai, South Africa, Hong Kong, Indonesia, UK, Bahrain and Czech Republic.

# Student Engagement

## Summer School / Study Abroad Programs – Outgoing

- \* 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, MUJ attended Student Exchange program at ES-TACA, 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, student of SCIT, MUJ attended UG Major Project Work (2018-19) at Institute of Transportation (INTRANSU), IOWA State University, USA from 10 January 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, USA.

## Summer School / Study Abroad Programs – Incoming

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



Austria



Bangladesh



Germany



Poland



Tunisia



Turkey

Nationality of Students visiting MUJ as part of various Exchange Programs



## Student Exchange Programs

The Directorate assists interested students for Semester Exchange Programs by coordinating with their respective Departments to confirm credit exchange possibilities & parity (Credit Mapping) in terms of courses on offer during particular semester at a partner University or Institution. Information received from partner Institution regarding opportunities for internship & semester exchange are constantly shared with students & faculty through email/poster on notice board.

Information regarding new MoU's, academic and research opportunities available (apart from existing MoU's) are shared as and when received from various agencies like NTU India Connect, Rhodes scholarship, Linnaeus Palme (Sweden) etc. with students and faculty of concerned departments.

The Directorate apart from sharing information also assists students and faculty with required certificates or reference letter for visit and VI-SA, on receiving confirmation from partner Institutions.



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



Australian student delegation with Mr. Nick Booker, IndoGenius

## IAESTE

The Directorate provides need based assistance to the Local Student Committee of The International Association for the Exchange of Students for Technical Experience (IAESTE) in case of both outgoing and incoming students.

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



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

## IOWA State University, Iowa, USA; 26 July 2018



The MoU was an outcome of the visit and interaction by Prof. Arun Somani of ISU to MUJ on 26 July 2018. Mr. Ankit Mundra, Department of Information Technology, MUJ coordinated for the MoU.

## Universiti Malaysia Pahang, Pahang, Malaysia; 8 August 2018



To help both organisations benefit from mutual applied research developments and teaching methods through training courses, internships, joint research projects and exchange of both students and faculty. Dr. Saiful Anwar, Dr. Daing Mohammad and Dr. Sudhakar Kumasamy from UMP along with Dr. Santosh Patil, Deputy Director, DoIC, MUJ were instrumental behind the MoU.

## University of Johannesburg, South Africa; 27 September 2018



To promote research activities through joint supervision, publications and funding. Conduct joint short term courses, seminars and online sessions. Exchange of students & faculty on a reciprocal basis.

Dr. Kapil Gupta from University of Johannesburg, Dr. Anand Pandey and Dr. Manish Rawat, Department of Mechatronics, MUJ were instrumental behind the MoU.



## Curtin University, Sarawak, Malaysia; 16 January 2019

To establish academic and research relationship. Pro Vice Chancellor of Curtin University, Australia Prof. Moses Tade along with Prof. Vishnu Pareek, Distinguished Professor and Head of West Australian School of Mines (WASM) visited the campus on 2 January, 2019. Dr Abhishek Sharma, Department of Chemical Engineering, MUJ was the coordinator for the MoU.



## International College of Hotel Management (ICHM), Adelaide, Australia; 31 January 2019

To promote Post Graduate programs and built international relations through exchange of students & faculty on a reciprocal basis. As part of the MoU the International College of Hotel Management, Australia was represented by Mr. Ian Redman, Senior Representative, ICHM and Dr. Amit Datta, Department of Hotel Management represented MUJ.



## Russian State Social University, Moscow, Russia; 18 February 2019

Development of academic mobility programmes for the Professors, scholars on different education levels. The MoU was signed by Prof. G.K. Prabhu, President, MUJ and Prof. N.N. Sharma, Pro President, MUJ during their visit to Russia.



## Bauman Moscow State Technical University, Moscow, Russia; 19 February 2019



Provide quality education at BMSTU for both UG, PG levels. The MoU was signed by Prof. G.K. Prabhu, President, MUJ and Prof. N.N. Sharma, Pro President, MUJ during their visit to Russia.

## Gubkin University, Moscow, Russia; 22 February 2019



To promote research collaboration, faculty exchange on a reciprocal basis and to explore opportunities for joint research and supervision. The MoU was signed by Prof. G.K. Prabhu, President, MUJ and Prof. N.N. Sharma, Pro President, MUJ during their visit to Russia.

## Kathmandu University, Kathmandu, Nepal; 27 February 2019



To promote research activities with joint supervision, publications and funding. Conduct joint short courses, seminars and online sharing sessions. Student exchange programs. The MoU was signed by Prof. G.K. Prabhu, President, MUJ and Prof. Dr. Ram KM Shrestha, Vice Chancellor, KU.



## Polytechnic Institute of Leiria, Leiria, Portugal; 5 March 2019

The MoU was signed by Prof. G.K. Prabhu, President, MUJ and Prof. Rafael Caldeirinha, Head of Research Group on Antennas & Propagation – Leiria, Instituto Telecomunicações, Polytechnic Institute of Leiria, Portugal. To collaborate on research projects, conference partnership, summer training programs, faculty exchange programs at various levels.



## Small Business Association of Australia (SBA), Australia; 28 March 2019

The MoU was signed to promote academic projects and internships and to explore opportunities.



## King Mongkut's University of Technology, Thailand; 18 May 2019

The MoU was signed to promote joint research activities, participation in seminar and academic meetings, exchange of faculty and students, exchange of academic material and information, short term academic projects, training courses, staff development projects for Master and PhD programs.



## **University of New Castle, Callaghan, Australia; 27 August 2018 & 27 September 2018**

To promote research activities with joint supervision, publications and funding. Conduct joint short courses, seminars and online sharing sessions. Student exchange program.

## **Siberian Federal University, Krasnoyarsk, Russian Federation; 4 July 2018**

The MoU was an outcome during the visit to the University by Prof. N.N. Sharma, Pro President, MUJ. The aim of the MoU was to collaborate over research projects, promote students exchange on graduate and postgraduate levels and exchange of publications and other material of mutual interest.

## **Illinois State University, Illinois, USA; 25 October 2018**

To promote joint supervision, publications and funding. Conduct joint short courses, seminars and online sharing sessions. Student exchange program. Dr. Gaurav Sacheti, Department of Civil Engineering, MUJ was the coordinator for the MoU.

## **Technical University of Varna, Varna, Bulgaria; 28 November 2018**

To promote research activities with joint supervision, publications and funding. Conduct joint short courses, seminars and online sharing sessions. Student exchange program. Dr. Amit Nandal, Department of Computer and Communication Engineering, MUJ was the coordinator for the MoU.

## **University of Ostrava, Ostrava, Czech Republic; 19 December 2018**

To promote research activities with joint supervision, publications and funding. Conduct joint short courses, seminars and online sharing sessions. Student exchange program. Dr. Amit Nandal, Department of Computer and Communication Engineering, MUJ was the coordinator for the MoU.

## **AIESE, Jaipur, Rajasthan; 19 February 2019**

To promote student mobility on technical and cultural grounds. Conducting information seminars and promoting opportunities for international volunteering and exchange.



### **Florida International University, Greater Miami, USA; 8 March 2019**

To promote research collaboration, faculty exchange on a reciprocal basis and to explore opportunities for joint research and supervision.

### **Mathematical Institute of Serbian Academy of Science and Arts, Serbia; 9 March 2019**

To promote research collaboration, faculty and student exchange on a reciprocal basis and to explore opportunities for joint research and supervision. Dr. Ivana Atanavoska and Dr. Santosh Patil, Deputy Director, DoIC, MUJ was instrumental in coordinating for the MoU.

### **Nanjing Forestry University, China; April 2019**

The MoU was signed to build an International Collaborative BIONAC Lab at Nanjing Forestry University, China with the help of MUJ. The MoU shall also promote collaborative research activities, setup research groups with chosen faculty and students and collaborate in holding academic conference and seminars.

### **ESIGELEC Graduate School of Engineering, France; 02 May 2019**

The MoU was signed to promote student and faculty exchange, build academic exchange programs specifically for semester exchange of Master students. The MoU also offered partial fee waiver / scholarship ranging between 2500 to 5000 Euros to students of MUJ with CGPA over 9+ and willing to undertake 4 Semester Master Program at ESIGELEC. Working on collaborative research projects and identifying new areas of collaboration were also defined as part of the MoU.

# New Initiatives

## Summer School 2019; 2 – 15 June 2019

MUJ is organising Summer School 2019 under the aegis of DoIC from 2 to 15 June 2019. Various faculties have proposed 17 courses and 5 projects as part of the 2 week Summer School. Apart from regular academic sessions other programs like Inspired Talk, Talent Show by Participants and Jaipur City Tour have also been planned as part of the event.



**MANIPAL UNIVERSITY  
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**COURSES OFFERED**

| Sl. No. | Department                               | Course Title   | Faculty Name   |
|---------|--|--|--|
| 1       | School of Architecture and Design        | Sustainable Buildings: Theory and Practice                             | Dr. Shikha Kalyan Nayak                                |
| 2       | Civil Engineering                        | Application of Software in Civil Engineering                           | Dr. Gaurav Kachhava                                    |
| 3       | Civil Engineering                        | Evolution Building   | Dr. Shikha Kalyan Nayak                                |
| 4       | School of Basic sciences                 | Control structure and Non-linear differential                          | Dr. Jayraj Singh Anand                                 |
| 5       | Mechanical Engineering                   | Multi scale search for Chemical Storage Localisation                   | Dr. Kumar Chandra                                      |
| 6       | Mechanical Engineering                   | Machine Learning   | Dr. Anand Srivastava                                   |
| 7       | Mechanical Engineering                   | Computational Engineering Design                                       | Dr. Ravi Kumar Gupta                                   |
| 8       | Mechanical Engineering                   | Design of Experiments and Optimisation Methods                         | Dr. Mohitkumar Kumar Shukla and Dr. Vinod Kumar Pathak |
| 9       | Mechanical Engineering                   | Finite Element Analysis using ANSYS Mechanical                         | Dr. Dharmendra Mishra and Dr. Sushant Patel            |
| 10      | Mechanical Engineering                   | Quality Management   | Dr. R. K. Gupta  |
| 11      | Mechanical Engineering                   | Real time training on Manufacturing Processes                          | Dr. Anand Prasad                                       |
| 12      | Mechanical Engineering                   | 3D based training on 3D Printing Technology                            | Dr. Ramesh Kumar Shukla                                |
| 13      | Computer Science and Engineering (IT/CE) | SQL/PLSQL  | Dr. Vinod Kumar Pathak                                 |
| 14      | Computer Science and Engineering (IT/CE) | Business Process Automation in IT                                      | Dr. Yashraj Singh                                      |
| 15      | Computer Science and Engineering (IT/CE) | Cyber Forensics  | Dr. Yashraj Singh                                      |
| 16      | Computer Science and Engineering (IT/CE) | Big Data   | Dr. Yashraj Singh                                      |
| 17      | Computer Science and Engineering (IT/CE) | SOA/JSR and JSR Applications in Computer Vision using Machine Learning | Dr. Anishkumar Khatwani and Dr. Manoj Kumar Sharma     |

**PROJECTS OFFERED**

| Sl. No. | Department               | Project Title   | Faculty Name               |
|---------|--------------------------|---|----------------------------|
| 1       | School of Basic sciences | Optimize control system using the design design application   | Dr. Paragdeep Khatwani     |
| 2       | School of Basic sciences | Topology and characterization of 2D band structure and their implementation for the imaging application | Dr. Kanchan Prakash Mishra |
| 3       | School of Basic sciences | Study of Solenoid Current in Daily Power  | Dr. Rama Osh               |
| 4       | School of Basic sciences | Synthesis of 2D band structure of 2D material (graphene and 2D MoS2)                                    | Dr. Ramesh Kumar Shukla    |
| 5       | Mechanical Engineering   | Computational Analysis of Beam composite Materials  | Dr. Pradeep Tazari         |

**Dates: June 2 - June 15, 2019**  
**Venue: Manipal University Jaipur Campus**  
**(For Registration Enquiries contact: Dr. Deepika Kaur deepika.kaur@jaipur.manipal.edu Phone: +91 - 0141- 3999478)**



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**Schedule of Summer School**  
02.06.2019 – 15.06.2019

| Date & Day             | 8:00 AM - 12:00 Noon        | 12:00 Noon - 2:00 PM | 2:00 PM - 4:00 PM           | 4:00 PM - 6:00 PM    |
|------------------------|-----------------------------|----------------------|-----------------------------|----------------------|
| 02.06.2019 (Monday)    | Arrival                     |                      |                             |                      |
| 03.06.2019 (Tuesday)   | Registration & Registration |                      |                             |                      |
| 04.06.2019 (Tuesday)   | Course Session 1            | Lunch                | Course Session 2            | Lab Practice Library |
| 05.06.2019 (Wednesday) | Course Session 3            | Lunch                | Course Session 4            | Lab Practice Library |
| 06.06.2019 (Wednesday) | Course Session 5            | Lunch                | Course Session 6            | Lab Practice Library |
| 07.06.2019 (Friday)    | Inspired Talk               | Lunch                | Course Session 7            | Lab Practice Library |
| 08.06.2019 (Saturday)  | Course Session 8            | Lunch                | Talent Show by Participants |                      |
| 09.06.2019 (Monday)    | Jaipur Tour (Optional)      |                      |                             |                      |
| 10.06.2019 (Monday)    | Course Session 9            | Lunch                | Course Session 10           | Lab Practice Library |
| 11.06.2019 (Tuesday)   | Course Session 11           | Lunch                | Course Session 12           | Lab Practice Library |
| 12.06.2019 (Tuesday)   | Course Session 13           | Lunch                | Course Session 14           | Lab Practice Library |
| 13.06.2019 (Wednesday) | Course Session 15           | Lunch                | Customized Talk             |                      |
| 14.06.2019 (Friday)    | Exhibition                  | Lunch                | Feedback and Valdefictory   |                      |
| 15.06.2019 (Saturday)  | Departure                   |                      |                             |                      |


\*Cultural night and dinner with President, Manipal University Jaipur between 6:00 PM to 9:00 PM.


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**Campus: Dehmi Kalan, Jaipur - Ajmer Expressway, Jaipur (Raj) - 303007**  
**(For Registration Enquiries contact: Dr. Deepika Kaur deepika.kaur@jaipur.manipal.edu Phone: +91 - 0141- 3999478)**



## Capacity Building in Higher Education (CBHE) and Credit Mobility Funding

DoIC has been instrumental in partnership of MUJ with various Universities and Agencies as part of 3 European Funding Applications. The results of these applications shall be announced in August 2019.

## Data-Driven Operations Management to Optimize Indian Universities' Governance (DOMAIN)

The project proposal aims to improve the management and operation of higher education institutions in India. The project's chief end is to improve and advance the multifaceted ongoing management processes at the Indian universities involved by adopting and embedding data-driven decision-making procedures and approaches and by nurturing a university culture of accountability, transparency and efficiency. The total budget applied is 75000 euros (Approx. Rs. 60,00,000). Project consortium: Varna University of Management, Bulgaria: coordinator, Manipal University Jaipur- member + 8 other Indian universities and 4 others from across the world.

## Erasmus+ APPLY Proposal

The project aims to develop a Masters in Computational Fluid Dynamics. Project consortium: Chiang Mai University- Coordinator, Manipal University Jaipur-member, MIT, Manipal- member + 7 others from across the world.

## International Credit Mobility (ICM) Erasmus + (KA107) Project

The proposal includes project funding for International Mobility of students and faculty/staff between ESTACA, France and Manipal University Jaipur.

## Fostering Internationalization Workshops

DoIC in partnership with various Schools / Departments at MUJ continuously organised 'Foster Internationalisation' Workshops with the aim to disseminate information regarding MoUs, research funding options, interaction with international Universities / agencies to both faculty and students.



Glimpses of Fostering Internationalisation Workshops conducted in 2018-19

# Our Collaborations



| Name of Country          | No of MoU  |
|--------------------------|------------|
| United Kingdom           | 8          |
| United States of America | 9          |
| Portugal                 | 2          |
| France                   | 7          |
| Switzerland              | 1          |
| Germany                  | 2          |
| Czech Republic           | 1          |
| Poland                   | 1          |
| Hungary                  | 1          |
| Serbia                   | 1          |
| Bulgaria                 | 1          |
| Ukraine                  | 1          |
| Russia                   | 4          |
| Nepal                    | 1          |
| South Africa             | 1          |
| Thailand                 | 1          |
| Malaysia                 | 3          |
| Singapore                | 1          |
| Australia                | 5          |
| New Zealand              | 2          |
| <b>Total</b>             | <b>53*</b> |



## Recent MOUs

