



**MANIPAL UNIVERSITY
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(University under Section 2(f) of the UGC Act)





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Contents:

- 1. Research collaboration**
- 2. International and National Partners**
- 3. Collaboration with NGO**
- 4. Activities for SDGs**



Research collaboration

S r . N o .	Title of the collaborative activity	Name of the collaborating agency	Name of the participant	Nature of the activity
1	Expert Session with UTSAV, Australia	UTAS, AUSTRALIA	DR. KIRSTY MÁTÉ	Student Exchange
2	Joint Classes with MAHE, Dubai	MAHE, DUBAI	Sophia Rahman	Academic development
3	SEMINAR: Decolonizing knowledge: "Researching with lived concepts"	Dr Sahana Udupa, Ludwig-Maximilians-University, Institute for Ethnology Munich,	Dr Meera Baindur	Academic Development
4	Thinking through India: Debating the Legacy of Intellectual Traditions of India and Contemporary Challenges	HRDC Panjab University, Pankaj Srivastava Coordinator, Refresher Course Department of Philosophy & HRDC, Panjab University Contact no 9878983877	Dr Meera Baindur	Academic Development
5	MEDIA RESEARCH EXPLORING APPROACHES AND OPPORTUNITIES, FDP	Research Cell Nitte Institute of Communication Paneer, Derelakatte Contact: 7676565368	Dr Meera Baindur	Academic Development
6	FDP: Philosophical Methodologies in Higher Education: Research and Teaching	Department of Philosophy, Ramanujan College, University of Delhi,	Dr Meera Baindur	Academic Development
7	WORLD PHILOSOPHY DAY AND INTERNATIONAL WOMEN'S DAY . , "Body, Liberation and the Social: Women Philosopher-Poets in India"	MUJ and DOP, MAHE	Prof Neeta Inamdar,	Academic Development
8	SAMAAGAMAA: "Being grounded, Becoming earthlings"	Poorna school, Bangalore	Dr Meera Baindur	Academic Development



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9	Board Member , India Peace Centre, Helping design educational program for general public and communities on Peace and conflict management on voluntary basis.	India Peace Centre 350A, C K Naidu Road, Civil Lines, Nagpur – 440 001, Maharashtra, India Tel: (+91) 712 2556952 Mobile phone: (+91) 9970157446 www.indiapeacecentre.org www.facebook.com/IndiaPeaceCentre	Kasta Dip	Research
10	Co-GUIDE MSAP (MAHE)	MAHE, MSAP	Dr Meera Baindur	Research
11	Immersion program: “ Thinking Critically through Diversity, Inclusivity and Privilege”	MAHE, (DOP, MCES)	Revati Nadgir, Meera Baindur, Priya Vijaykumar Poojary, Praveen Shetty	Academic development
12	Pool of experts in Global Ethics.net)	Global ethics.net, Head Office- 150, route de Ferney CH-1211 Geneva 2, Switzerland	Meera Baindur, Paul Dembinski, Dicky Sofjan, Retha Visagie, Meggy Kantert	Academic development
13	ASHRAE Distinguished Lecture Program	ASHRAE	Chandana Dalugoda	Academic development
14	Webinar on Law: A Pathway to Success	Lawrbit Global Compliance Network Ltd, 865, Tower-B1, Spaze I-Tech Park, Sector 49, Gurgaon, Delhi/NCR - 122018	Jayant Kohli	Academic development
15	Global Summer School on Law & Ethics of Artificial Intelligence	South Ural State University Russia, 76, Lenin prospekt, Chelyabinsk, Russia, 454080 Phone/fax: +7 (351) 267-99-00	Deepankar Sharma	Academic development
16	Oxygen Concentrator at MUJ	Dr. Ramdas Pai, Chairman, Prof. Abhishek Sharma from Department of Chemical Engineering in collaboration with Prof. Paul Webley from Monash University Australia and Prof. Vishnu Pareek and Dr. Tejas Bhatelia from Curtin University Australia	Paul A webley	Research
17	IAESTE student exchange, Lund University_Melker	IAESTE	Villca	Student Exchange
18	IAESTE student exchange, Universidad Autónoma de Chile	IAESTE	Muskaan Arora	Student Exchange



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19	IAESTE student exchange,Danna	IAESTE	Melker Axellson	Student Exchange
20	Strategies to Revive Ancient Water Systems of Garden Complex at Ghat ki Guni, Jaipur	Department of Architecture, Manipal University Jaipur	Mr. Bineet Chhajjer	Research
21	Remote Internship	IAESTE	Alero Awani	Student Exchange
22	Remote Internship	IAESTE	Alzahha Alhari	Student Exchange
23	Remote Internship	IAESTE	Manan Sahai	Student Exchange
24	Remote Internship	IAESTE	Vishakha Ranade	Student Exchange
25	Remote Internship	IAESTE	Aditya Sali	Student Exchange
26	Remote Internship (Outgoing)	IAESTE	Vidushi Goswami	Student Exchange
27	Remote Internship (Outgoing)	IAESTE	HARSHA PANDEY	Student Exchange
28	Rennes SB International Fair -Student Faculty Exchange	Rennes School Of Business	Aditya Sal	Faculty Exchange
29	Virtual Fair -Student Faculty Exchange	Ajman University, UAE	Dr. Santosh Patil	Faculty Exchange
30	Faculty participation Project Manager/coordination	Chaing Mai University	Dr. Santosh Patil	Academic development
31	Joint research Project applied-International Cooperation (Bilateral) India Serbia Joint S and T Proposals	Mathematical Institute of the Serbian Academy of Sciences and Arts (MISANU) Belgrade, Serbia (Active0	Dr. Santosh Patil	Research
32	Research Methodology in engineering perspective	Electrical Engineering	Dr. Himanshu Choudhary	Research
33	Disruptive Technologies shaping jobs of the future	Electrical Engineering	Mr. Abhishek Ranjan,	Academic development
34	Industry Academia Invited Lecture on Entrepreneurship	Electrical Engineering	SAVITHA PAREEK	Academic development



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35	Taking start-up's global through patents	Electrical Engineering	Mr. DP Goel	Academic development
36	Taking start-up's global through patents	Electrical Engineering	Mr. DP Goel , Vivek Dahiya	Academic development
37	Technologies for the global energy transition: Smart grid, HVDC interconnectors, energy storage and clean power production	Electrical Engineering	Dr. Ralf Bucher,	Academic development
38	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Introduction of Electric vehicles	Electrical Engineering	Dr. Shankar Venugopal	Academic development
39	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Materials for High Voltage Batteries for Electric Vehicles and Fundamentals	Electrical Engineering	Dr. M V Reddy,	Academic development
40	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on 'System Level Analysis for Electric Vehicles	Electrical Engineering	Mr. Shekhar Malani,	Academic development
41	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Overview of e-Mobility and Importance of Safety Issues in Electric Vehicles	Electrical Engineering	Mr. Mahipal Bukya	Academic development
42	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Automotive Power Electronics - EV chargers	Electrical Engineering	Dr. Satish Naik,	Academic development
43	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk	Electrical Engineering	Dr. Dipankar Debnath,	Academic development



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	on Protection schemes (battery reverse polarity, inrush current, over voltage, etc).			
4	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Co-Simulation in Electric Vehicle Thermal Management	Electrical Engineering	Dr. Kaushal kumar Jha,	Academic development
4	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Co-Simulation in Electric Vehicle Thermal Management	Electrical Engineering	Dr. Kaushal kumar Jha,	Academic development
5	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Mobility Engineer 2030 - Future Skills	Electrical Engineering	Dr. Shankar Venugopal	Academic development
4	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Design of passive components and overview of closed loop control techniques in Evs	Electrical Engineering	Dr Abhijit Kulkarni,	Academic development
6	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Design of passive components and overview of closed loop control techniques in Evs	Electrical Engineering	Dr Abhijit Kulkarni,	Academic development
4	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Charging station siting and sizing of EV	Electrical Engineering	Dr. Rajesh Kumar,	Academic development
7	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Charging station siting and sizing of EV	Electrical Engineering	Dr. Rajesh Kumar,	Academic development
4	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Hands on Practice on Vehicles and develop the understanding of how to use optimization techniques such as AI and ML to improve the features of EV and Battery Swapping system	Electrical Engineering	Dr. Shankar Venugopal,	Academic development
8	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Hands on Practice on Vehicles and develop the understanding of how to use optimization techniques such as AI and ML to improve the features of EV and Battery Swapping system	Electrical Engineering	Dr. Shankar Venugopal,	Academic development
4	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Overview of most popular motors for EV and its controller	Electrical Engineering	Dr Dipankar Debnath,	Academic development
9	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Overview of most popular motors for EV and its controller	Electrical Engineering	Dr Dipankar Debnath,	Academic development
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5	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Overview of most popular motors for EV and its controller	Electrical Engineering	Dr. Rajesh Kumar,	Academic development
0	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk on Overview of most popular motors for EV and its controller	Electrical Engineering	Dr. Rajesh Kumar,	Academic development



	ORGANIZATION; Expert Talk on Battery Management System for Electric Vehicle			
5 1	ELECTRIC VEHICLES: ANALYSIS OF COMPONENTS AND THEIR ORGANIZATION; Expert Talk onEMI/EMC Standards, Design Aspects and Challenges Faced by EV	Electrical Engineering	Mr. Leela Krishna	Research
5 2	FlexEV-2021(Opportunities for Printed/Flexible Electronics in Automotive Applications)	Electrical Engineering	Dr. Leonardo Israel Farfan Cabrera, Dr. Matthew Dyson, Dr. Rudolf Frycek, Dr. Siddhartha Panda, Prof. Dr. Sanjeet Dwivedi, and Dr. Ranga Srinivas Gunti	Research
5 3	FlexEV-2021 (ExploringEVs' technologyproducingenergyc onsumptionbyfrictionlosse)	Electrical Engineering	Dr. Leonardo Israel Farfan Cabrera, Dr. Matthew Dyson, Dr. Rudolf Frycek, Dr. Siddhartha Panda, Prof. Dr. Sanjeet Dwivedi, and Dr. Ranga Srinivas Gunti	Research
5 4	FlexEV-2021 (Smart EEs: Digital marketplace for flexible and wearable electronics)	Electrical Engineering	Dr. Leonardo Israel Farfan Cabrera, Dr. Matthew Dyson, Dr. Rudolf Frycek, Dr. Siddhartha Panda, Prof. Dr. Sanjeet Dwivedi, and Dr. Ranga Srinivas Gunti	Research
5 5	FlexEV-2021 (Methodologies for Maximizing the Range of an Electric Vehicle – An MDO approach)	Electrical Engineering	Dr. Leonardo Israel Farfan Cabrera, Dr. Matthew Dyson, Dr. Rudolf Frycek, Dr. Siddhartha Panda, Prof. Dr. Sanjeet Dwivedi, and Dr. Ranga Srinivas Gunti	Research
5 6	FlexEV-2021 (Flexible Electronics – A Future of Devices)	Electrical Engineering	Dr. Leonardo Israel Farfan Cabrera, Dr. Matthew Dyson, Dr. Rudolf Frycek, Dr. Siddhartha Panda, Prof. Dr.	Research



			Sanjeet Dwivedi, and Dr. Ranga Srinivas Gunti	
5 7	FlexEV-2021 (Technological Advances in Electric Vehicles: Past Present and Future)	Electrical Engineering	Dr. Leonardo Israel Farfan Cabrera, Dr. Matthew Dyson, Dr. Rudolf Frycek, Dr. Siddhartha Panda, Prof. Dr. Sanjeet Dwivedi, and Dr. Ranga Srinivas Gunti	Research
5 8	Zinc tolerant plant growth promoting bacteria alleviates phytotoxic effects of zinc on maize through zinc immobilization	Maharana Pratap University of Agriculture and Technology, Udaipur	Dr. Abhijeet Singh, Bjorn John Stephen	Research
5 9	MICROBIAL FABRICATION OF ZINC OXIDE NANOPARTICLES AND EVALUATION OF THEIR ANTIMICROBIAL AND PHOTOCATALYTIC PROPERTIES	(i) Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan (MPUAT) (ii) Material Research Centre, Malviya National Institute of Technology, Jaipur, India (iii) Amity Institute of Biotechnology, Amity University Rajasthan, India (iv) School of Science, RMIT University, Melbourne, VIC, Australia (v) Mewar University, Chittorgarh, Rajasthan	Dr. Abhijeet Singh, Bjorn John Stephen	Research
6 0	Surface Morphology and Physicochemical Characterization of Thermostable Moringa Gum: A Potential Pharmaceutical Excipient	University of Rajasthan, Jaipur Amity University Rajasthan, Jaipur	Dr. Rohit Jain, Dr. Manoj K Bohra, Dr. Swati Gupta	Research
6 1	Humidity induced opening of stomata leads to enhanced uptake of copper nanoparticles in Triticum aestivum L.	University of Rajasthan, Jaipur Amity University Rajasthan, Jaipur	Dr. Rohit Jain, Dr. Swati Gupta	Research
6 2	Crystallographic and molecular dynamics simulation analysis of NAD synthetase from methicillin resistant Staphylococcus aureus (MRSA)	Molecular and Structural Biology Division, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extension, Lucknow, Uttar Pradesh	Dr. Sandeep K Srivastava, Kazi Nasrin Sultana,	Research
6 3	Strategies to mitigate the adverse effect of drought stress on crop plants—influences of soil bacteria: A review	ICAR, Karnal haryana ICAR, Lucknow, UP	Dr. Rakesh Kumar Sharma, WUNNAVA	Research



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6 4	Emerging trends in colorectal cancer: Dysregulated signaling pathways (Review)	Department of Surgery, King Saud University College of Medicine, Riyadh 11472, Saudi Arabia	Dr. Sandeep K Srivastava, Jackie Kumar	Research
6 5	Association of the microbiome with colorectal cancer development (Review)	Department of Surgery, King Saud University College of Medicine, King Saud University, Riyadh Department of Biomedical Sciences, Cooper Medical School of Rowan University, Camden, NJ	Dr. Sandeep K Srivastava, Jackie Kumar, Disha Agarwal	Research
6 6	Food Safety & Quality Control	CEG Test House & Research Center Pvt Ltd	Mr. Laxmi kant meena	Academic development
6 7	Food Safety & Quality Control	Vimta Labs, Ahmedabad	Mr. Laxmi kant meena	Academic development
6 8	Food Safety & Quality Control	Food Corporation of India	Mr. Laxmi kant meena	Academic development
6 9	Developmental Biology	IISER, Mohali	Dr. Mohit Prasad	Academic development
7 0	Covid-19 and Ayurveda	NIA, Jaipur	Dr. Sanjeev Sharma	Academic development
7 1	Technical approaches for diagnosis of Covid- 19	FSL, Jaipur	Dr. Anand Kumar	Academic development
7 2	Symptoms and clinical presentation of Covid- 19	USUHS, USA	Prof. Knollmann-Ritschel	Academic development
7 3	Advances & Applications of Genomics	Texas Children's Hospital, Houston	Mr Nipun Kakkar	Academic development
7 4	Developmental Biology	IISER, Mohali	Dr. Mohit Prasad	Academic development
7 5	Developmental Biology	IISER, Mohali	Dr. Mohit Prasad	Academic development
7 6	Startup opportunities post Covid-19	Global Center for Entrepreneurship & Commerce	Mr. Paresh Gupta	Academic development
7 7	Developmental Biology	IISER, Mohali	Dr. Mohit Prasad	Academic development



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7 8	Developmental Biology	IISER, Mohali	Dr. Mohit Prasad	Academic development
7 9	Developmental Biology	IISER, Mohali	Dr. Mohit Prasad	Academic development
8 0	Molecular Materials Based on Host-Guest Interactions	University of Peradeniya, Sri Lanka	Dr. Abhijit Patra	Academic development
8 1	Rare-earth doped phosphors for light emitting display, light harvesting and biological applications	Bhabha Atomic Research Centre, Mumbai	Prof. Raghmani S Ningthoujam	Academic development
8 2	Modelling of Pitting Corrosion-Fatigue mechanism in in-homogeneous metallic Structures using Coupled CA-XFEM	Indian Institute of Science, Bangalore	Prof. S. Gopalakrishnan	Academic development
8 3	Multifunctional Porous Organic Polymers for Environmental Remediation	Indian Institutes of Science Education & Research, Bhopal	Dr. Abhijit Patra	Academic development
8 4	High performance bullet resistance materials	Reliance Technology Group, India	Dr. R. V. Jasra	Academic development
8 5	Supports for Low Temperature Fuel Cells based on Transition Metal Carbides	Tel Aviv University, Israel	Prof. Brian Rosen	Academic development
8 6	Precursor-controlled synthesis of inorganic nanomaterials	Bernard University of Lyon 1	Dr. Shashank Mishra Claude	Academic development
8 7	Nonlinear Optics for Molecular Dynamics and Microscopy	Deutsches Elektronen-Synchrotron, Hamburg, Germany	Dr. Mahesh V. Namboodiri	Academic development
8 8	Plant variety protection	K and S Partners, Bangalore	Ashish Singh, Kavita Arora	Research
8 9	Patents	K and S Partners, Bangalore	Ashish Singh, Kavita Arora	Research
9 0	Patents	K and S Partners, Bangalore	Ashish Singh, Kavita Arora	Research
9 1	Trademark, Copyright and Geographical Indication	K and S Partners, Bangalore	Ashish Singh, Kavita Arora	Research
9 2	Live discussion on "Covid-19 Testing"	Manipal Hospitals Jaipur	Dr Ravi Dara, Dr Neha Jain	Live discussion session
9 3	Lecture Series	IISER, Kolkata	Dr Mohit Prasad	Lecture



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9 4	Lecture Series	IISER, Kolkata	Dr Mohit Prasad	Lecture
9 5	Lecture Series	IISER, Kolkata	Dr Mohit Prasad	Lecture
9 6	Lecture Series	IISER, Kolkata	Dr Mohit Prasad	Lecture
9 7	Resrach Paper	University of Technology and applied sciences, OMAN, Vinod HAtwal	Bhawana Chahar	Research
9 8	Investment Awareness	Centre for Investment Education & Learning (CIEL) in collaboration with UTI Swatantra under Finance Club (MUJ)	BBA students	Seminar on Investment Awareness
9 9	Internship	younity	Riyana marwah	Academic development
1 0 0	Internship	Younity.in	Nandini sharma	Academic development
1 0 1	Internship	Unschool	Nikita Jha	Academic development
1 0 2	Internship	Unschool	Jaya Chandrakant	Academic development
1 0 3	Internship	Unschool	Himanshi dudi	Academic development
1 0 4	Internship	Houseltto/ Wesettle	Harsh Jindal	Academic development
1 0 5	Internship	IIFCL	Shaurya Dixit	Academic development
1 0 6	Internship	TimesInternet	Yasha Sharma	Academic development



1 0 7	Internship	Leads Flick	Shaurya Dixit	Academic development
1 0 8	Internship	Mahindra & Mahindra	Arushi	Academic development
1 0 9	Internship	Cashkaro	Drishti Verma	Academic development
1 1 0	Internship	Saar Infobiz Solutions	Shaurya Dixit	Academic development
1 1 1	Internship	Ludifo.com	Shruti Swami	Academic development
1 1 2	Internship	Folk's Go	Jyoti Kumari	Academic development
1 1 3	Internship	Inglu GLOBAL	Shruti Swami	Academic development
1 1 4	Internship	bonaza pvt. ltd.	Ritvik Jain	Academic development
1 1 5	Internship	Ajanta Industrial Corporation	Gurusha Bagora	Academic development
1 1 6	Internship	INGLU GLOBAL	MISAL AGARWAL	Academic development
1 1 7	Fingerprint Based Authentication Architecture for Accessing Multiple Cloud Computing Services using Single User Credential in IOT Environments	Department of Computer Science, Bule Hora University, Ethiopia	Biniyam Alemu, Rajesh Kumar, Deepak Sinwar, Ghanshyam Raghuwanshi	Research



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1 1 8	Study of social and geographical factors affecting the spread of COVID-19 in Ethiopia	Department of Computer Science, Bule Hora University, Ethiopia	Rajesh Kumar , Amit Pandey , Rabira Geleta Ibsa , Deepak Sinwar & VijaypalSingh Dhaka	Research
1 1 9	Applications of Flying Ad-hoc Network During COVID-19 Pandemic	Department of Computer Science and Engineering, BRCM College of Engineering and Technology, Bahal, Haryana, India Department of Chemistry, Government College, Hisar, Haryana	Manisha Devi, Sunil Kumar Maakar, Deepak Sinwar, Mahesh Jangid, Poonam Sangwan	Research
1 2 0	Adverse Effects of 5th Generation Mobile Technology on Flora and Fauna: Review Study	Department of Computer Science, Bule Hora University, Ethiopia	Rajesh Kumar, Rabira Geleta, Amit Pandey, Deepak Sinwar	Research
1 2 1	Assessing the Role of Age, Population Density, Temperature and Humidity in the Outbreak of COVID-19 Pandemic in Ethiopia	Department of Computer Science, Bule Hora University, Ethiopia	Amit Pandey, Rajesh Kumar, Deepak Sinwar, Tesfaye Tadele, and Linesh Raja	Research
1 2 2	A Survey of Deep Convolutional Neural Networks Applied for Prediction of Plant Leaf Diseases	Department of Computer Science and Engineering, Chandigarh University, Mohali, Punjab 140413, India Department of Intelligent Mechatronics Engineering, Sejong University, Seoul 05006, Korea Faculty of Applied Mathematics, Silesian University of Technology, 44-100 Gliwice, Poland;	Vijaypal Singh Dhaka, Sangeeta Vaibhav Meena, Geeta Rani, Deepak Sinwar1, Kavita, Muhammad Fazal Ijaz, and Marcin Wozniak	Research
1 2 3	Applying deep learning-based multi-modal for detection of coronavirus	Federal University of Piauí (UFPI) Teresina, Teresina, PI, Brazil Joel J. P. C. Rodrigues Instituto de Telecomunicações, Aveiro, Portugal Joel J. P. C. Rodrigues	Geeta Rani · Meet Ganpatlal Oza · Vijaypal Singh Dhaka · Nitesh Pradhan · Sahil Verma · Joel J. P. C. Rodrigues	Research



1 2 4	IoT and Interpretable Machine Learning Based Framework for Disease Prediction in Pearl Millet	ICAR DOS in Biotechnology, University of Mysore Manasagangotri, Mysore 570005, India Department of Computer Science and Engineering, Chandigarh University, Mohali 140413, India Department of Intelligent Mechatronics Engineering, Sejong University, Seoul 05006, Korea Faculty of Applied Mathematics, Silesian University of Technology, 44-100 Gliwice, Poland	Nidhi Kundu, Geeta Rani1, Vijaypal Singh Dhaka, Kalpit Gupta, Siddaiah Chandra Nayak, Sahil Verma, Muhammad Fazal Ijaz, and Marcin Wozniak	Research
1 2 5	Efficient Predictive Modelling for Classification of Coronary Artery Diseases Using Machine Learning Approach	Department of Computer Science, GD Goenka University, Gurugram, India	Savita, Ganga Sharma, Geeta Rani, Vijaypal Singh Dhaka	Research
1 2 6	An Impact of Different Uncertainties and Attacks on the Performance Metrics and Stability of Industrial Control System	,Poornima College of Engineering, Jaipur, India Kalasalingam Academy of Research and Education, Krishnankoil, Tamil Nadu, India,	Harish Sharma, Mukesh Kumar Gupta, G. S. Tomar, Wang Lipo Editors	Research
1 2 7	C*-Algebra Valued Modular G-Metric Spaces with Applications in Fixed Point Theory	Department of Mathematical Sciences, Bodoland University, Kokrajhar 783370, India 2 Department of Mathematics, School of Advanced Sciences, Vellore Institute of Technology (VIT) University, Vellore 632014, India 3 Department of Mathematics, Indira Gandhi National Tribal University, Lalpur, Amarkantak 484887, India 4 Center for Research and Innovation in Information and Communication (INFOTEC),	Dipankar Das, Lakshmi Narayan Mishra, Vishnu Narayan Mishra, Hamurabi Gamboa Rosales, Arvind Dhaka, Francisco Eneldo López Monteagudo, Edgar González Fernández4and Tania A. Ramirez-del Real	Research



		Ciudad de México 14050, Mexico 5 Department of Computer and Communication Engineering, Manipal University Jaipur, Jaipur 303007, India 6 Academic Unit of Electrical Engineering, Autonomous University of Zacatecas, Zacatecas 98000, Mexico 7 CONACyT—CentroGeo Centro de Investigación en Ciencias de Información Geoespacial, Aguascalientes 20313, Mexico		
1 2 8	RESTFULL web services	Celebal Technologies	Mr. Yash Bhutoria	Academic development
1 2 9	Innerve programmer's league	Turing Sapiens and Indira Gandhi Delhi Technical University for Women	Dr. Geeta Rani and Dr. Sunil Kumar	Academic development
1 3 0	GUI design	Accolite Technology,India	Mr. Omdev Dalsaniya,	Academic development
1 3 1	OOPS concepts	Kane LPI Solutions	Ms. Muskan Sharma,	Academic development
1 3 2	Uses of SQL in industries	Celebal Technologies	Mr. Maulik Agarwal.	Academic development
1 3 3	Software Design Principles	Accolite Technology,India	Mr. Omdev Dalsaniya,	Academic development
1 3 4	Research Risk and Innovations	TCS	Mr. Anupam Shekhawat	Academic development



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1 3 5	Skill Deployment on Cloud using Salesforce by Industry expert	Traction on demand Jaipur	Mr. Sanjay Gupta	Academic development
1 3 6	Skill Deployment on Cloud using VMware Virtualisation by Industry expert	VM Ware	Mr. Uma Sankar Panda.	Academic development
1 3 7	How to Build a Great Profile for Top Universities Abroad	Turing Sapiens	Dr. Geeta Rani	Academic development
1 3 8	My Journey to Microsoft	Microsoft	Dr. Geeta Rani and Dr. Sunil Kumar	Academic development
1 3 9	Importance of Design and Algorithms in Industry	Zycus Infotech	Mr Ankit Misra	Academic development
1 4 0	Binary Search Algorithm Workshop	Coding Blocks	Mr. Prateek Narang	Academic development
1 4 1	Testing Life Cycle for Online Projects	Europeana, The Hague Area, Netherland	Ms. Srishti Singh	Academic development
1 4 2	Machine Learning Industry aspect	Bosch, USA	Dr. Radhey Shyam	Academic development
1 4 3	Machine Learning industry aspects	R&D Rexroth Bosch, South Carolina, USA	Dr. Radhey Shyam.	Academic development
1 4 4	Data Structure Applications in Industry	Deloitte, Pune	Mr. Setu Mittal	Academic development
1 4 5	Defect Removal- Software Testing in Industry	Dell	Er. Sarthak Agarwal	Academic development



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1 4 6	Role of Advanced Data Structures in Industry	Intel, Bangalore	Er. Pankaj Siwan	Academic development
1 4 7	Web Technology: How to develop Project	Trell	Mr Sushant Mehta	Academic development
1 4 8	Penetration Testing	NTRO	Nishi Taneja	Academic development
1 4 9	GitHub and Open Source Workshop	Oppia Foundation	Mr Pulkit Agarwal	Academic development
1 5 0	Divide and Conquer C++ Workshop	CodingBlocks	Mr. Apaar Kamal	Academic development
1 5 1	Web Applications with Python -Django Workshop	Internshala and Microsoft	Mr. Tushar, Mr. Tanuj	Academic development
1 5 2	Collaboration for Real Time Research data	Artemis Hospital, Gurugram	Dr. V. S. Dhaka	Research
1 5 3	Collaboration for Research data	RG Stone Urology & Laproscopy Hospital	Dr. V. S. Dhaka	Research
1 5 4	Collaboration for Research data	Indian Council of Agricultural Research, Mysore Centre	Dr. Geeta Rani	Research
1 5 5	Mutual Collaboration	Sharda University, Plot No. 32-34, Knowledge park - III, Greater Noida, Uttar Pradesh – 2013006, India	Dr. Praveen Kumar Surolia, Dr. Prabhat Ranjan, Dr. Tanmoy Chakraborty,	Research
1 5 6	Research Project	IISc, Bangalore, Prof. S. Gopalakrishnan	Dr Veena Dhayal	Research



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1 5 7	Mutual Collaboration	Sharda University, Plot No. 32-34, Knowledge park - III, Greater Noida, Uttar Pradesh – 2013006, India	Dr Tanmoy Chakraborty	Research
1 5 8	Research project	IISc, Bangalore, Prof. S. Goaplakrishnan	Dr. Veena Dhayal	Research
1 5 9	Introduction to Academic Excellence in the Virtual mode.	Biff and Bright College of Engineering and Biff and Bright College of Engineering and Technology, Padasoli, Dudu, Jaipur	Dr.SaurabhSharma, Dr. Teena Shivnani	Academic development
1 6 0	Data Analysis and it's growing importance for all stream students	CRPF School, Prashant Vihar, Rohini, Delhi	Mr Harmeet Gill, Mr.Vaibhav Sharma, Dr.Sanjeev Kumar Sharma, Mr.Shailendra Singh, Ms.Mansi Malik, Mr.Neeraj Topani, Prof.Gaurav Lodha	Student Exchange
1 6 1	Two days Online Faculty Development Programme (FDP) On “Academic Excellence in Digital Teaching and Learning”	Biff and Bright College of Engineering and Technology	Dr.SaurabhSharmaDr. Teena Shivnani	Faculty Development Program
1 6 2	Research Paper	Taif University, Saudi Arabia and Sfax University, Tunisia	Dr. Pradeep Kumar Tiwari	Research
1 6 3	Research Paper	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan, India	Dr. Linesh Raja	Research
1 6 4	Research Paper	Amity University Jaipur	Dr. Vaibhav Bhatnagar& Dr. Linesh Raja	Research
1 6 5	Research Paper	JECRC University, Jaipur, India	Dr. Vaibhav Bhatnagar& Dr. Linesh Raja	Research
1 6 6	Research Paper	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India	Dr. Pradeep Kumar Tiwari	Research



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1 6 7	Research Paper	Amity University, Jaipur, Rajasthan, India	Dr. Shilpa Sharma & Dr. Linesh Raja	Research
1 6 8	Research Paper	Amity University, Jaipur, Rajasthan, India	Dr. Shilpa Sharma & Dr. Linesh Raja	Research
1 6 9	Research Paper	G L Bajaj Institute of Technology and Management, Greater Noida, India	Dr. Pradeep Kumar Tiwari	Research
1 7 0	Research Paper	Amity University, Jaipur, India	Dr. Shilpa Sharma	Research
1 7 1	Research Paper	University of Oulu, Finland, anshuman.kalla@oulu.fi	Mrs. Kuntal Gaur	Research
1 7 2	Research Paper	Shri Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu, Churu Rd, Vidyanagari, Churela, Rajasthan 333001 India	Dr. Devershi Pallavi Bhatt	Research
1 7 3	Research Paper	Research Scholar, Department of Computer Science & Engineering, Sri Jagdish Prasad Jhabarmal Tibrewala University, Jhunjhunu, India	Dr. Devershi Pallavi Bhatt	Research
1 7 4	Research Paper	AIIT, Amity University, Rajasthan, India, E-mail: pragya.vaishnav23@gmail.com	Dr. Linesh Raja	Research
1 7 5	Research Paper	Graphic Era Hill University, Dehradun, Uttarakhand, India	Dr. Linesh Raja	Research
1 7 6	Research Paper	Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Hyderabad, India	Dr. Linesh Raja	Research
1 7 7	Research Paper	Department of Computer Sc & Engg., Bharat Institute of Engg. & Tech. Hyderabad, India. raj_tiwari_in@yahoo.com	Dr. Timothy Malche, Dr. Pradeep Kumar Tiwari, Dr. Sumegh Tharewal	Research



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1 7 8	Development of Prediction Model for COVID-19 using Machine Learning	DST SERB and Amity University Rajasthan	Dr. Linesh Raja and Dr. Vaibhav Bhatnagar	Research Project
1 7 9	How to file copyright in India	Ms. Pooja Kumar, 99106 27125	Ms. Pooja Kumar	Research
1 8 0	Wearable Computing: It's opportunities and challenges in Industry 4.0	Prof. Rajiv Ranjan, 9742649493	Prof. Rajiv Ranjan Singh	Research
1 8 1	HOW TO FILE PATENT IN INDIA	Dr. Amrish Chandra, 9971117009	Dr. Amrish Chandrai	Research
1 8 2	MODELS ON CYBER ATTACK/CRIME IN WIRELESS NETWORK	Dr. Bimal Mishra,	Prof. Bimal Mishra	Research
1 8 3	University Associate Partner, Keynote, Conference International Advisor	Data Analytics & Artificial Intelligence Laboratory - DAAI Lab, Director of US\MS Information System Programme Engineering- Technology School Thu Dau Mot University 06 Tran Van On street, Phu Hoa district, Thu Dau Mot city, Binh Duong province, Vietnam	Bui Thanh Hung	Reserach, Academic Development
1 8 4	IPR, Research Consultancy	Innove Intellects LLP	Ms Pooja Kumar	Reserach Development
1 8 5	Higher Education Opportunities in Malta	Deputy Dean, Faculty of Information & Communication Technolgy, University of MALTA	Dr. Conrad Attard	Academic / Research Collaboration
1 8 6	Industry Conclave hosted by Departement of ECE in collaboration with Industry	Rohde and Scharz, India	Faculty and Students of Deapartment of ECE	Research oriented talk on "Modern Instrumentation for Microwave and mmWave



				Antenna Characterization"
1 8 7	Industry Conclave hosted by Department of ECE in collaboration with Industry	Numeregion Technologies, India	Faculty and Students of Department of ECE	Research oriented talk on "Performance Studies of Antennas through simulation using Tarang"
1 8 8	Industry Conclave hosted by Department of ECE in collaboration with Industry	International Centre for Radio Science (ICRS) Jodhpur, Rajasthan	Faculty and Students of Department of ECE	Research oriented talk on "Microwave Engineering"
1 8 9	Industry Conclave hosted by Department of ECE in collaboration with Industry	FEKO, Altair India	Faculty and Students of Department of ECE	Research oriented talk on "5G Antenna Designs and Radio Channel-Planning with Altair Feko"
1 9 0	Activities with other Institute	Madan Mohan Malaviya University of Technology, Gorakhpur (U.P.) INDIA		Madan Mohan Malaviya University of Technology, Gorakhpur (U.P.) INDIA
1 9 1	Talk in collaboration with ECE department and BSES Rajdhani Power Limited, Delhi	BSES Rajdhani Power Limited, Delhi	Faculty and Students of Department of ECE	Expert lecture on the topics of "Employer Expectations: Myths, Work-Life, Job Descriptions & Legal Aspects of Job"



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1 9 2	Talk in collaboration with DoR, ECE department and Pravin Gandhi College of Law, Mumbai	Pravin Gandhi College of Law, Mumbai	Faculty and Students of Department of ECE	Expert lecture on the topics of "Lock and Key for Intellectual Property: Legal framework for its protection".
1 9 3	Activities with other Institute	Malaviya National Institute of Technology Jaipur	Faculty and Students of Department of ECE	Malaviya National Institute of Technology Jaipur
1 9 4	Talk in collaboration with ECE department and Universite de Montreal	Universite de Montreal	Faculty and Students of Department of ECE	Expert lecture on the topics of "Photonics Crystals Applications: From VECSELS to selective UV Filters"
1 9 5	Industry Conclave hosted by Departement of ECE in collaboration with Industry	Jyoti Electronics	Faculty and Students of Department of ECE	Research oriented talk on "Making of RF Anechoic Chamber and its Applications"
1 9 6	Industry Conclave hosted by Departement of ECE in collaboration with Industry	Keysight Technologies	Faculty and Students of Department of ECE	Research oriented talk on "Making of RF Anechoic Chamber and its Applications"
1 9 7	Industry Conclave hosted by Departement of ECE in collaboration with Industry	MITS Evelven Lab Machine, Entuple Technologies	Faculty and Students of Department of ECE	Research oriented talk on "Antenna Prototyping using MITS Evelven Lab Machine"



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1 9 8	Industry Conclave hosted by Departement of ECE in collaboration with Industry	JV Micronics	Faculty and Students of Deapartment of ECE	Research oriented talk on "Making of RF Anechoic Chamber and its Applications"
1 9 9	Industry Conclave hosted by Departement of ECE in collaboration with Industry	International Centre for Radio Science (ICRS) Jodhpur, Rajasthan	Dr. OPN Calla	Academic development
2 0 0	Industry Conclave hosted by Departement of ECE in collaboration with Industry	FEKO, Altair India	Ms. Soundarya Venkatesa	Academic development
2 0 1	Industry Conclave hosted by Departement of ECE in collaboration with Industry	Rohde and Scharz, India	Mr. Marwin Coutinho	Academic development
2 0 2	Industry Conclave hosted by Departement of ECE in collaboration with Industry	Numeregion Technologies, India	Mr. Swapnil Gaul	Academic development
2 0 3	Industry Conclave hosted by Departement of ECE in collaboration with Industry	SAMEER, R&D Lab of MeitY	Mr. Jagadish K. Prajapati	Academic development
2 0 4	Industry Conclave hosted by Departement of ECE in collaboration with Industry	Entuple Technologies	Mr. Navin Sankar and Dr. Tanvi Agrawal	Academic development
2 0 5	Industry Conclave hosted by Departement of ECE in collaboration with Industry	MITs Evelven Lab Machine, Entuple Technologies	Mr. Amit Mohanty	Academic development
2 0 6	Industry Conclave hosted by Departement of ECE in collaboration with Industry	JV Micronics	Mr. Mahesh Chand Kala	Academic development
2 0 7	Industry Conclave hosted by Departement of ECE in collaboration with Industry	Jyoti Electronics	Mr. Kartik Goyal	Academic development



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208	Industry Conclave hosted by Department of ECE in collaboration with Industry	Keysight Technologies	Ms. Renuka Wekhande-Andanka	Academic development
209	Talk in collaboration with DoR, ECE department and Pravin Gandhi College of Law, Mumbai	Pravin Gandhi College of Law, Mumbai	Dr. Suman Kalini	Academic development
210	Italian Cuisine Workshop	MJP Rohilkhand University, Bareilly	Mr Aravind Rai	Academic development
211	Future of culinary arts post-covid	Campus France Rajasthan & Le Cordon Bleu Paris, France	Chef Fabrice Dannel	Academic development
212	Italian Cuisine Workshop	MJP Rohilkhand University, Bareilly	Dr Amit Datta, Mr Aravind Kumar Rai and Mr Mukesh Shekhar	Workshop
213	Future of culinary arts post-covid	Campus France Rajasthan & Le Cordon Bleu Paris, France	Dr Amit Datta, Mr Aravind Kumar Rai, Mr Mukesh Shekhar, Mr Deepak Pokhriyal and Dr Shweta Upamanyu	Webinar
214	University Associate Partner, Keynote, Conference International Advisor	Data Analytics & Artificial Intelligence Laboratory - DAAI Lab, Director of US\MS Information System Programme Engineering- Technology School Thu Dau Mot University 06 Tran Van On street, Phu Hoa district, Thu Dau Mot city, Binh Duong province, Vietnam	Bui Thanh Hung	Reserach, Academic Development
215	Keynote Session	IBS Poland	Prof. Marcin Paprzycki	Research purpose
216	3rd International Conference on Smart Systems Innovations in Computing	Iowa State University	Dr. Arun Somani	International Conference



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2 1 7	HOW TO FILE COPYRIGHT IN INDIA BY POOJA KUMAR	Innove Intellects LLP	Ms Pooja Kumar	Reserach Development
2 1 8	Keynote Session	University of Technology Sydney	Dr. Priyadarsi Nanda	Research purpose
2 1 9	Hybrid AI and IoT Approaches Used in Health Care for Patients Diagnosis	Springer, Singapore	03 Authors	Academic development
2 2 0	Emerging Technologies for Pandemic and Its Impact	Springer, Singapore	04 Authors	Academic development
2 2 1	Classification of Indian Classical Music With Time-Series Matching Deep Learning Approach	IEEE Access	09 Authors	Academic development
2 2 2	3rd International Conference on Smart Systems Innovations in Computing	Iowa State University	Dr. Arun Somani	International Conference
2 2 3	HOW TO FILE COPYRIGHT IN INDIA BY POOJA KUMAR	Innove Intellects LLP	Ms Pooja Kumar	Reserach Development
2 2 4	University Associate Partner, Keynote, Conference International Advisor	Data Analytics & Artificial Intelligence Laboratory - DAAI Lab, Director of US\MS Information System Programme	Bui Thanh Hung	Reserach, Academic Development
2 2 5	Keynote Session	University of Technology Sydney	Dr. Priyadarsi Nanda	Research purpose
2 2 6	Keynote Session	IBS Poland	Prof. Marcin Paprzycki	Research purpose
2 2 7	workshop	Clarivate Analytics-Mr. Vishav Sharma-	0	Academic development



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2 2 8	summer School	Arizona State University	Prof Kalpna Sharma; Dr Ruchika Mehta and Dr Alok Bhargava	Student Exchange
2 2 9	Workshop	Interview Cracker	Ms. Anupma Singh, Ms. Ashwini Das Gupta, Dr. Girish Mishra	Student Exchange
2 3 0	Workshop	Interview Cracker	Ms. Anupma Singh, Ms. Ashwini Das Gupta, Dr. Girish Mishra	Student Exchange
2 3 1	Workshop	Organisation-DRDO	Ms. Anupma Singh, Ms. Ashwini Das Gupta, Dr. Girish Mishra	Student Exchange
2 3 2	Winter School in Mathematics for Women Students	Indian Women and mathematics Homi Bhabha Centre for Science Education, V. N. Purav Marg, Mankhurd, Mumbai, 400088 INDIA iwm@hbse.tifr.res.in	BSc Students of MUJ and Outside MUJ	Winter school
2 3 3	Webinar on Mathematica Software	Wolfram	Faculty and students	Training session
2 3 4	International Conference	International academy of Physical Sciences		Conference
2 3 5	Webinar on “Connecting the World with Statistics in Era of Data Science” on Occasion of World Statistics Day	Indian Association for reliability and Statistics	OUTSIDE MUJ	Webinar
2 3 6	MITACS GLOBLINK RESEARCH INTERNSHIP 2021	LAKEHEAD UNIVERSITY CANADA	Student: Akshet Bharat Patel, Muj faculty:Mr. Mohit Jain, External supervisors:Dr Gautam Srivastava	Research
2 3 7	HIGHPERFORMANCE P(VDFTRFE)/BATIO3 NANOCOMPOSITE BASED FERROELECTRIC FIELD EFFECT TRANSISTOR (FEFET) FOR	Dr. Subash Ck (cksubash@gmail.com), D. Soney Varghes (soneyva@gmail.com)	Uvais Valiyaneerilakkal, Subash Cherumannil Karumut, Kulwant Singh, Loksani Bhanuprakash, Rama Kor, Soney Varghese	Research



	MEMORY AND SWITCHING APPLICATIONS			
238	Eu Doped ZnO Nanoparticles with Strong Potential of Thermal Sensing and Bioimaging	Dr. Rajneesh Kumar Verma, Central University of Rajasthan (rkverma@curaj.ac.in)	Ashok Kumawat, Saikat Chattopdhyay, Rajneesh Kumar Verma, Kamakhya Prakash Mishra	Research
239	Spectroscopic investigation of $Cu_xMg_{0.2-x}Zn_{0.8S}$ ($x = 0, 0.05, 0.10, 0.15$) thin films for deep and dilute blue LED applications	Dr Mahesha M G, Manipal Academy of Higher Education (mahesha.mg@manipal.edu)	Ganesha Krishna, Mahesha M G, Saikat Chattopadhyay, Kamakhya Prakash Misra	Research
240	Low temperature induced red-shift in violet-blue emission from Zn (Al, Ag) O nanoparticles	Dr. Rama K Khangarot, Mohanlal Sukhadia University Udaipur (ramakanwar@mlsu.ac.in) and Prof. RDK Misra, The University of Texas at El Paso (dmisra2@utep.edu)	Ankit Sharma, Ashok Kumawat, Saikat Chattopadhyay, Rama Kanwar Khangarots, R.D.K. Misra and Kamakhya Prakash Misra	Research
241	Effect of heavy Al doping on microstructural and morphological behavior of ZnO thin film deposited by sol-gel spin coating	Dr. Rama K Khangarot, Mohanlal Sukhadia University Udaipur (ramakanwar@mlsu.ac.in)	Ankit Sharma, Ashok Kumawat, Bulendra Raput, Rama Kanwar Khangarot, Uvais Valiyaneerilakkal, Saikat Chattopadhyay and Kamakhya Prakash Mista	Research
242	Band gap reduction and quenching of pd exchange interaction in sol-gel derived Zn (Al, Cu) O nanostructures	Dr. Rama K Khangarot, Mohanlal Sukhadia University Udaipur (ramakanwar@mlsu.ac.in) and Prof. RDK Misra, The University of Texas at El Paso (dmisra2@utep.edu), Dr. P. D Babu, UGC-DAE Consortium for Scientific Research, Bhabha Atomic Research Centre, Mumbai (pababu@csr.res.in)	Ankit Sharma, Rama Kanwar Khangarot, Kamakhya Prakash Misra, Saikat Chattopadhyay, Kamakhya Prakash Misra, R D K Misra, B D Prabhu, Nilanjan Halder	Research
243	Dirac fermions in zigzag graphene nanoribbon in a finite potential well	Dr. Surender Pratap, CUHP (suren1986dhalaria@gmail.com)	Surender Pratapa, Vipin Kumar	Research
244	Projet writing and PhD Co-guide	IIT Jodhpur	Dr. Raviraj Vankayla	Research Collaboration



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2 4 5	Research paper	Prasoon Mani Tripathi, Shalini Srivastava Jaipuria Institute of Management, Noida, India, Lata Bajpai Singh, Babasaheb Bhimrao Ambedkar (Central) University, Lucknow, UP, India Vartika Kapoor, Amity University, Noida, India	Prasoon Mani Tripathia, Shalini Srivastavaa, Lata Bajpai Singhb, Vartika Kapoorc, Umesh Solanki	Research
2 4 6	Research Paper Publication	MNIT Jaipur	Ram Dayal	Research and academic development
2 4 7	Research Paper Publication	Oriental Institute of Science and Technology, Bhop	Chitresh Nayak	Research and academic development
2 4 8	Research Paper Publication	Ozyegin University, Turkey	Caglar UCLER	Research and academic development
2 4 9	Research Paper Publication	ASET, Amity University	Ashwani Kumar Yadav	Research and academic development
2 5 0	Research Paper Publication	MNIT Jaipur	Sonam Parashar	Research and academic development
2 5 1	Research Paper Publication	Aston University, Birmingham, B4 7ET, United Kingd	Nand K. Meena	Research and academic development
2 5 2	Research Paper Publication	Aston University, Birmingham B4 7ET, UK	Nand K. Meena	Research and academic development
2 5 3	Research Paper Publication	CSE	Amit Kumar Gupta	Research and academic development



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2 5 4	Research Paper Publication	SKIT	Pankaj Dadheech	Research and academic development
2 5 5	Research Paper Publication	Manipal Institute of Technology, Manipal	Pramod Kumar	Research and academic development
2 5 6	Research Paper Publication	SKIT	Ankit Kumar	Research and academic development
2 5 7	Research Paper Publication	Guru Ghasidas University, Bilaspur	Dr. Rohit Raja	Research and academic development
2 5 8	Research Paper Publication	Mechanical Engineering	Syed Anjum Alam	Research and academic development
2 5 9	Research Paper Publication	Swami Keshvanand Institute of Technology, Manageme	Dr. Prem Singh	Research and academic development
2 6 0	Research Paper Publication	Punjabi University, Patiala	Satya Bir Singh	Research and academic development
2 6 1	Research Paper Publication	IIT Roorkee	Dr. Madhu Jain	Research and academic development
2 6 2	Research Paper Publication	J. K. Institute of Engineering Bilaspur	Dr. Upasana Sinha	Research and academic development
2 6 3	Research Paper Publication	J. K. Institute of Engineering Bilaspur	Dr. Upasana Sinha	Research and academic development
2 6 4	Research Paper Publication	Sikkim Manipal University	Rabindranath Bera	Research and academic development



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2 6 5	Research Paper Publication	Jai Narain Vyas University Jodhpur	Prof. Chandanbala	Research and academic development
2 6 6	Research Paper Publication	Computer Science and Engineering Department, IIIT	Dr. Rahul Dixit	Research and academic development
2 6 7	Research Paper Publication	IIIT Pune	Rahul Dixit	Research and academic development
2 6 8	Research Paper Publication	G. L. Bajaj Institute of Technology and Management	Payal Garg	Research and academic development
2 6 9	Research Paper Publication	Purdue University	Mayank Jha	Research and academic development
2 7 0	Research Paper Publication	Koneru Lakshmaiah Education Foundation, Vijayawada	P. Vidya Sagar	Research and academic development
2 7 1	Research Paper Publication	LBS PG College (Affiliated to University of Rajast	Dr Ravi Kant Modi	Research and academic development
2 7 2	Research Paper Publication	Jaipur Institute of Engineering and Management	Surbhi Chauhan	Research and academic development
2 7 3	Research Paper Publication	H.N.B. Garhwal University, India- India	Brijesh Gangil	Research and academic development
2 7 4	Research Paper Publication	H.N.B. Garhwal University, India- India	goyalashish86@gmail.com	Research and academic development
2 7 5	Research Paper Publication	Ramgarh Engineering College, Ramgarh	Nazmul Islam	Research and academic development



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2 7 6	Research Paper Publication	GNIOT	Mr Horesh Kumar	Research and academic development
2 7 7	Research Paper Publication	Department of ICT and Natural Sciences	Dr. Ramesh CHandra	Research and academic development
2 7 8	Research Paper Publication	University of Putra Malaysia	Dr. Thinagaran Perumal	Research and academic development
2 7 9	Research Paper Publication	GJUS&T, Hisar	Prof. Pradeep Bhatia	Research and academic development
2 8 0	Research Paper Publication	Institute of Management Technology, Nagpur	Dr Saleena Khan	Research and academic development
2 8 1	Research Paper Publication	school of Humanities and Social Sciences	Shraddha singh	Research and academic development
2 8 2	Research Paper Publication	-	Apoorva Parashar	Research and academic development
2 8 3	Research Paper Publication	St. Xavier's College	Shiromi Chaturvedi	Research and academic development
2 8 4	Research Paper Publication	University of Engineering and Management	Jyoti Khandelwal	Research and academic development
2 8 5	Research Paper Publication	King Khalid University	Neeraj Kumar Shukla	Research and academic development
2 8 6	Research Paper Publication	Department of Computer Science	Usha Badhera	Research and academic development



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2 8 7	Research Paper Publication	Alumni, Manipal University Jaipur	Vidushi Bajpai	Research and academic development
2 8 8	Research Paper Publication	IITM Delhi	Dr. Sudhir Sharma	Research and academic development
2 8 9	Research Paper Publication	Devi Ahilya University Indore	Dr. Sonalee Nargunde	Research and academic development
2 9 0	Research Paper Publication	Lovely Professional University, Jalandhar	Dr Gobind Sing Patel	Research and academic development
2 9 1	Research Paper Publication	University of Technology and Applied Sciences, Oma	Dr Vinod Hatwal	Research and academic development
2 9 2	Research Paper Publication	SKIT Jaipur	Pankaj Dadheech	Research and academic development
2 9 3	Research Paper Publication	Arts and Social Sciences	Dr. Mridula Sharma	Research and academic development
2 9 4	Research Paper Publication	Amity University, Noida (UP)	SNIGDHA JINDAL	Research and academic development
2 9 5	Research Paper Publication	IPS Business School	Dr Abhineet Saxena	Research and academic development
2 9 6	Research Paper Publication	Amity University Rajasthan	Dr. Harshal Patil	Research and academic development
2 9 7	Research Paper Publication	DDU-GKY from NIRD	Mr Vikas Varma	Research and academic development



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2 9 8	Research Paper Publication	School of Law	James Bedi	Research and academic development
2 9 9	Research Paper Publication	St. Anslem North City School	ABUL FAHAD	Research and academic development
3 0 0	Research Paper Publication	IMT Hyderabad	Dr. Mahesh Ramalingam	Research and academic development
3 0 1	Research Paper Publication	Galgotias University	Dr. Harish Kumar	Research and academic development
3 0 2	Research Paper Publication	IIMC	Dr. Hemant Joshi	Research and academic development
3 0 3	Research Paper Publication	University of Rajasthan	Dr Sumita Kachhwaha	Research and academic development
3 0 4	Research Paper Publication	S.S. Jain Subodh P. G. College	Dr. Tripti Mehta	Research and academic development
3 0 5	Research Paper Publication	Department of Mathematics, Chandigarh University M	Richa Sharma	Research and academic development
3 0 6	Research Paper Publication	Banasthali Vidyapith	Neha Chauhan	Research and academic development
3 0 7	Research Paper Publication	Malaviya National Institute of Technology Jaipur	Jyoti Grover	Research and academic development
3 0 8	Research Paper Publication	Poornima Group of Colleges, Jaipur	Prince Dawar	Research and academic development



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3 0 9	Research Paper Publication	Punjabi University, Patiala	Dr Satya Bir Singh	Research and academic development
3 1 0	Research Paper Publication	ir Padampat SinghanianUniversity	Kamal Kant Hiran	Research and academic development
3 1 1	Research Paper Publication	Maharaja Surajmal Institute of Technology, New Del	Dr Naresh Kumar	Research and academic development
3 1 2	Research Paper Publication	Swami Shukhdevanand P.G. College,	Anupam Sharma	Research and academic development
3 1 3	Research Paper Publication	olecular Biology and Biotechnology, RCA, Maharana	Devendra Jain	Research and academic development
3 1 4	Research Paper Publication	IIT Roorkee	Dr. Madhu Jain	Research and academic development
3 1 5	Research Paper Publication	Bits Pilani	Shailender singh	Research and academic development
3 1 6	Research Paper Publication	SCE	Sandhiya Bala	Research and academic development
3 1 7	Research Paper Publication	SCIT	Shruti Mathur	Research and academic development
3 1 8	Research Paper Publication	R.C.U. Govt. P.G. College, Uttarkashi, Uttarakhan	Dr. Ruchi Kulshrestha	Research and academic development
3 1 9	Research Paper Publication	Dept. of Physical Education	Pradeep Singh Chahar	Research and academic development



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3 2 0	Research Paper Publication	Amity University Rajasthan	S. K. Vijay	Research and academic development
3 2 1	Research Paper Publication	MNIT Jaipur	Dr. Kusum Verma	Research and academic development
3 2 2	Research Paper Publication	Poornima University	Smarnika Mohapatra	Research and academic development
3 2 3	Research Paper Publication	GJUS&T, Hisar	Prof. (Dr.) Pradeep Bhatia	Research and academic development
3 2 4	Research Paper Publication	RIET jaipur	Alok Bansal	Research and academic development
3 2 5	Research Paper Publication	Arya Institute of Engineering Technology and Manag	Kumar Swastik	Research and academic development
3 2 6	Research Paper Publication	MNNIT Allahabad	Abhishek Kumar Tiwari	Research and academic development
3 2 7	Research Paper Publication	Malaviya National Institute of Technology Jaipur	Dr. Mahipal Jadeja	Research and academic development
3 2 8	Research Paper Publication	RIET	Dr. Saroj Hiranwal	Research and academic development
3 2 9	Research Paper Publication	Computer Science at Bhilai Institute of Technology	Arpana Rawal	Research and academic development
3 3 0	Research Paper Publication	rajasthan Institute of Engineering and Technology	Chour Singh Rajpoot	Research and academic development



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3 3 1	Research Paper Publication	I.I.T. Patna	A.K.Jha	Research and academic development
3 3 2	Research Paper Publication	Southern Federal University	Anton Pljonkin	Research and academic development
3 3 3	Research Paper Publication	Southern Federal University	Anton Pljonkin	Research and academic development
3 3 4	Research Paper Publication	Rajasthan Institute of Engineering and Technology	Naveen Kumar	Research and academic development
3 3 5	Research Paper Publication	Computing	Aboul Ella Hassanien	Research and academic development
3 3 6	Research Paper Publication	Computing	Munisamy A	Research and academic development
3 3 7	Research Paper Publication	AKJ institute of technology	Priyanshu Sharma	Research and academic development
3 3 8	Research Paper Publication	VIT	Shivani Gupta	Research and academic development
3 3 9	Research Paper Publication	NIT Meghalaya	vipin pal	Research and academic development
3 4 0	Research Paper Publication	Maharshi Dayanand University	Mohit Yadav	Research and academic development
3 4 1	Research Paper Publication	NIT Uttarakhand	Dharmendra Tripathi	Research and academic development



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3 4 2	Research Paper Publication	Bundelkhand Institute of Engineering and Technolog	Dr Arun Kr Pandey	Research and academic development
3 4 3	Research Paper Publication	Indore Institute of Science and Technology, Indore	Vivek Mishra	Research and academic development
3 4 4	Research Paper Publication	NIT Uttarakhand	Dr. Dharmendra Tripathi	Research and academic development
3 4 5	Research Paper Publication	Jaipur Institute of Engineering and Managment	Surbhi Chauhan	Research and academic development
3 4 6	Research Paper Publication	Amity University Rajasthan	Samarth Patel	Research and academic development
3 4 7	Research Paper Publication	Amity University Rajasthan	Ruchi Kaushik	Research and academic development
3 4 8	Research Paper Publication	College of Informatics, BuleHora University, Bule	Amit Pandey	Research and academic development
3 4 9	Research Paper Publication	Amity University Jaipur, Rajasthan	Rishi Dewangan	Research and academic development
3 5 0	Research Paper Publication	NIT Patna	L.B. Roy	Research and academic development
3 5 1	Research Paper Publication	NMIMS, Mukesh Patel School of Technology Managemen	Ushma Ahuja	Research and academic development
3 5 2	Research Paper Publication	Manipal Institute of TechnologyManipal Academy of	Amogh Bhaskara	Research and academic development



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3 5 3	Research Paper Publication	Manipal Institute of Technology, Manipal Academy o	Vinay Kumar Jadoun	Research and academic development
3 5 4	Research Paper Publication	MNIT Jaipur	Himanshu Chaudhary	Research and academic development
3 5 5	Research Paper Publication	NIT Durgapur	Amit kumar	Research and academic development
3 5 6	Research Paper Publication	Punjab Engineering College, Chandigarh	Dr. Perminderjit Singh	Research and academic development
3 5 7	Research Paper Publication	Amity University, Noida	Sharjil Talib	Research and academic development
3 5 8	Research Paper Publication	Gyan Ganga College of TechnologyJabalpurIndia	Megha Utmal	Research and academic development
3 5 9	Research Paper Publication	Computer Science	Hemlata Jain	Research and academic development
3 6 0	Research Paper Publication	Amity University, Rajasthan	Dr.Sunil Pathak	Research and academic development
3 6 1	Research Paper Publication	Inter University Accelerator Centre	F.Singh	Research and academic development
3 6 2	Research Paper Publication	S.K.I.T Jaipur	Praveen K. Jain	Research and academic development
3 6 3	Research Paper Publication	School of Basic Sciences	Dr. Ruchi Mathur	Research and academic development



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3 6 4	Research Paper Publication	Sagar Institute of Research and Technology- Excelle	Alok Agrawal	Research and academic development
3 6 5	Research Paper Publication	MNIT Jaipur	Rajesh Kumar	Research and academic development
3 6 6	Research Paper Publication	Govt Mahila Engineering College, Ajmer Rajasthan,	Dr. Vijay Sharma	Research and academic development
3 6 7	Research Paper Publication	S. S. Jain Subodh P.G. (Autonomous) College	Tarun Patodia	Research and academic development
3 6 8	Research Paper Publication	Suresh Gyan Vihar University	S.Katyayan	Research and academic development
3 6 9	Research Paper Publication	S. S. Jain Subodh P.G. (Autonomous) College	ShaliniDixit	Research and academic development
3 7 0	Research Paper Publication	IPS academy Indore	J Tripathi	Research and academic development
3 7 1	Research Paper Publication	IPS academy Indore	J Tripathi	Research and academic development
3 7 2	Research Paper Publication	University o Rajasthan Jaipur, India	Summaiyya Saleem	Research and academic development
3 7 3	Research Paper Publication	Manipal Institute of Technology	Manjaiah	Research and academic development
3 7 4	Research Paper Publication	Helwan University	H.M.A. Hussein	Research and academic development



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3 7 5	Research Paper Publication	Amity University Jaipur, Rajasthan	Pankaj Pandey	Research and academic development
3 7 6	Research Paper Publication	NMIMS, Mukesh Patel School of Technology Managemen	Ushma Ahuja	Research and academic development
3 7 7	Research Paper Publication	The M. S. University of Baroda, Vadodara, India	Alpa Dashora	Research and academic development
3 7 8	Research Paper Publication	National Institute of Technology, Uttarakhand, Sri	Jagrati Sahariya	Research and academic development
3 7 9	Research Paper Publication	The LNM Institute of Information Technology, Jamdo	G.D. Sharma	Research and academic development
3 8 0	Research Paper Publication	Malaviya National Institute of Technology Jaipur,	Bansi Lal Bairwa	Research and academic development
3 8 1	Research Paper Publication	Malaviya National Institute of Technology Jaipur,	Bansi Lal Bairwa	Research and academic development
3 8 2	Research Paper Publication	Arya	Yashika Saini	Research and academic development
3 8 3	Research Paper Publication	S.K.I.T., Jaipur	Jitendra Singh	Research and academic development
3 8 4	Research Paper Publication	Amity University rajasthan	HarshalPatil	Research and academic development
3 8 5	Research Paper Publication	GD Goenka University, Gurgaon, India	Savita	Research and academic development



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3 8 6	Research Paper Publication	Helwan University, Cairo, Egypt	H. Salem	Research and academic development
3 8 7	Research Paper Publication	Vijay Kumar Semiconductor Laboratory	Vijay Kumar	Research and academic development
3 8 8	Research Paper Publication	Amity University Rajasthan	Vaibhav Bhardwaj	Research and academic development
3 8 9	Research Paper Publication	Amity University Rajasthan	Dr. Harshal Patil	Research and academic development
3 9 0	Research Paper Publication	Institute of Chemical Technology	Prof. Parag R Gogate	Research and academic development
3 9 1	Research Paper Publication	Amity University, Noida, India	Rajan Tripathi	Research and academic development
3 9 2	Research Paper Publication	Shiv Nadar University	Kiran G.	Research and academic development
3 9 3	Research Paper Publication	ABES EC, Ghaziabad	Amit Agrawal	Research and academic development
3 9 4	Research Paper Publication	GCET, Gr. Noida	Sandeep Tripathi	Research and academic development
3 9 5	Research Paper Publication	Banasthali Vidyapith	Shally	Research and academic development
3 9 6	Research Paper Publication	Graphic Era Deemed to be University	Gaurav Kumar Badhotiya	Research and academic development



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3 9 7	Research Paper Publication	Independent Researcher	Manvendra Singh Chauhan	Research and academic development
3 9 8	Research Paper Publication	Arya College Of Engineering & Information Technolo	Love Sharma	Research and academic development
3 9 9	Research Paper Publication	Government College, Sirohi	Maneesh Kumar	Research and academic development
4 0 0	Research Paper Publication	Amity University, Haryana, India	PriyaYadav	Research and academic development
4 0 1	Research Paper Publication	Mandsaur University, Mandsaur, MP	Rakesh Patidar	Research and academic development
4 0 2	Research Paper Publication	Veermata Jijabai Technological Institute,	Anita Sharma	Research and academic development
4 0 3	Research Paper Publication	KIIT Deemed to be University	Sandali Khare	Research and academic development
4 0 4	Research Paper Publication	Savitribai Phule Pune University	Arvind D Shaligram	Research and academic development
4 0 5	Research Paper Publication	Amity University	Dr. Harshal Patil	Research and academic development
4 0 6	Research Paper Publication	College of Engineering, King Khalid University & R	neeraj k shukla	Research and academic development
4 0 7	Research Paper Publication	BARC	Dr. Jagriti Gupta	Research and academic development



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4 0 8	Research Paper Publication	Department of Technical Education, Govt. of Rajasthan	Vikram Singh Rathore	Research and academic development
4 0 9	Research Paper Publication	SRM Institute of Science and Technology, Kattankul	P. Bandyopadhyay	Research and academic development
4 1 0	Research Paper Publication	NMIMS, Mukesh Patel School of Technology Managemen	Ushma Ahuja	Research and academic development
4 1 1	Research Paper Publication	Narasaraopeta Engineering College, Narasaraopet 52	Dr Mohiddin Shaw	Research and academic development
4 1 2	Research Paper Publication	GD Goenka University, Gurugram	Savita	Research and academic development
4 1 3	Research Paper Publication	Central Electronics Engineering Research Institute	Ashish Kumar	Research and academic development
4 1 4	Research Paper Publication	Indian Institite of Information Technology Nagpur,	Rashmi A. Pandhare	Research and academic development
4 1 5	Research Paper Publication	Indian Institite of Information Technology Nagpur	Rashmi A. Pandhare	Research and academic development
4 1 6	Research Paper Publication	SCSS	Shefali Sharma	Research and academic development
4 1 7	Research Paper Publication	Lakshmi Narain College of Technology, Bhopal	Anil Singh Yadav	Research and academic development
4 1 8	Research Paper Publication	National Institute of Technology, Rourkela	AbhishekKumar Kashyap	Research and academic development



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4 1 9	Research Paper Publication	IIT-Roorkee	Umesh Gaur	Research and academic development
4 2 0	Research Paper Publication	IIT-Roorkee	Umesh Gaur	Research and academic development
4 2 1	Research Paper Publication	NIT meghalaya	vipin pal	Research and academic development
4 2 2	Research Paper Publication	School of Civil and Chemical Engineering	Rishav Sinha	Research and academic development
4 2 3	Research Paper Publication	MNIT Jaipur	Prof. Dilip Sharma	Research and academic development
4 2 4	Research Paper Publication	S. B. Jain Institute of Technology, Management & R	Mayank Choubey	Research and academic development
4 2 5	Research Paper Publication	Universiti Teknologi PETRONAS, Malaysia	Afthab Afrathim	Research and academic development
4 2 6	Research Paper Publication	Shri JJT University	Yogesh Kumar Sharma	Research and academic development
4 2 7	Research Paper Publication	Manipla University Jaipur	Ajay Saini	Research and academic development
4 2 8	Research Paper Publication	Shri JJT University	Dr. Yogesh Kumar Sharma	Research and academic development
4 2 9	Research Paper Publication	Poornima University Jaipur	Ms Shikha Sharma	Research and academic development



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4 3 0	Research Paper Publication	NIT Meghalaya	Vipin Pal	Research and academic development
4 3 1	Research Paper Publication	Amity University Patna	Dr. Prakash Kumar	Research and academic development
4 3 2	Research Paper Publication	Maharana Pratap University of Agriculture and Tech	Devendra Jain	Research and academic development
4 3 3	Research Paper Publication	University of Rajasthan	Poonam Patel	Research and academic development
4 3 4	Research Paper Publication	SCIT	Vaibhav Singh	Research and academic development
4 3 5	Research Paper Publication	Amity University Patna	Dr. Prakash Kumar	Research and academic development
4 3 6	Research Paper Publication	Shri Kalyan Government Girls College, Sikar	Vibha Shrivastava	Research and academic development
4 3 7	Research Paper Publication	Shri Kalyan Government Girls College, Sikar	Vibha Shrivastava	Research and academic development
4 3 8	Research Paper Publication	Rani Lakshmi Bai Central Agricultural University	Prashant Jambhulkar	Research and academic development
4 3 9	Research Paper Publication	National Forensic Science University	Dr. Hemen Dave	Research and academic development
4 4 0	Research Paper Publication	University of Rajasthan	Dr. Shabori Bhattacharya	Research and academic development



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4 4 1	Research Paper Publication	CSIR-CEERI Pilani, India	Dr. Ajay Agarwal	Research and academic development
4 4 2	Research Paper Publication	-	Vaibhav Singh	Research and academic development
4 4 3	Research Paper Publication	Amity University Rajasthan	Pragya Vaishnav	Research and academic development
4 4 4	Research Paper Publication	Graphic Era Hill University, Dehradun	Rajesh Kumar Tripathi	Research and academic development
4 4 5	Research Paper Publication	Koneru Lakshmaiah Education Foundation, Hyderabad,	G. Madhukar Rao	Research and academic development
4 4 6	Research Paper Publication	NMIMS Mukesh Patel School of Technology Management	Ushma Ahuja	Research and academic development
4 4 7	Research Paper Publication	MNIT Jaipur	Dr. Niruti Gupta	Research and academic development
4 4 8	Research Paper Publication	BKBIET Pilani	Smita Pareek	Research and academic development
4 4 9	Research Paper Publication	S. S. Jain Subodh P.G. College Jaipur	Dr. Tripti Mehta	Research and academic development
4 5 0	Research Paper Publication	MNIT JAIPUR	Dilip Sharma	Research and academic development
4 5 1	Research Paper Publication	National Institute of Technology Karnataka, Surath	Saurabh Chandrakar	Research and academic development



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4 5 2	Research Paper Publication	NIT Durgapur	Avijit Dalal	Research and academic development
4 5 3	Research Paper Publication	Bule Hora University, Ethiopia	Rajesh Kumar	Research and academic development
4 5 4	Research Paper Publication	BRCM College of Engineering and Technology, Bahal,	Manisha Devi	Research and academic development
4 5 5	Research Paper Publication	JK Lakshmi Pat University	Smita Vijayvargiya	Research and academic development
4 5 6	Research Paper Publication	Department of Chemistry	Dr Suman Swami	Research and academic development
4 5 7	Research Paper Publication	U R Rao Satellite Centre	Kamaljeet Singh	Research and academic development
4 5 8	Research Paper Publication	MNIT	Dr. Arun Gaur	Research and academic development
4 5 9	Research Paper Publication	parwez.wrd@gmail.com	parwez.wrd@gmail.com	Research and academic development
4 6 0	Research Paper Publication	NMIMS, Mukesh Patel School of Technology Managemen	Ushma Ahuja	Research and academic development
4 6 1	Research Paper Publication	Manipal University Jaipur	Bulendra Rajput	Research and academic development
4 6 2	Research Paper Publication	SMIT, Sikkim	Sanjib Kabi	Research and academic development



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4 6 3	Research Paper Publication	SKIT	Kishan Lal Jain	Research and academic development
4 6 4	Research Paper Publication	National Institute Of Technology Patna	L.B.Roy	Research and academic development
4 6 5	Research Paper Publication	I.I.T. Patna	Arvind Kumar Jha	Research and academic development
4 6 6	Research Paper Publication	Civil Engineering	Rakesh Chandra Gaur	Research and academic development
4 6 7	Research Paper Publication	Department of Metallurgical and Materials Engineer	Mukesh Kr. Chowrasia	Research and academic development
4 6 8	Research Paper Publication	IPS academy indore	J Singh	Research and academic development
4 6 9	Research Paper Publication	University of Technology and Applied Sciences, Ibr	Dr Vinod Hatwal	Research and academic development
4 7 0	Research Paper Publication	NIT Meghalaya	vipin pal	Research and academic development
4 7 1	Research Paper Publication	Central Electronics Engineering Research Institute	Dr. Ashish Kumar	Research and academic development
4 7 2	Research Paper Publication	MNIT Jaipur	Dr. Ashwani Kumar	Research and academic development
4 7 3	Research Paper Publication	Arya College of Engineering & IT, Jaipur 302028, I	Priyanka Saini	Research and academic development



4 7 4	Research Paper Publication	Vellore Institute of Technology, Vellore	Sugeet Kharbanda	Research and academic development
4 7 5	Research Paper Publication	VIT Vellore	Aditya Girge	Research and academic development
4 7 6	Research Paper Publication	Indore Institute of Science and Technology, Indore	Vivek Mishra	Research and academic development
4 7 7	Research Paper Publication	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of	J. Thamilarasan	Research and academic development
4 7 8	Research Paper Publication	Lakshmi Narain College of Technology (LNCT), Bhopa	Anil Singh Yadav	Research and academic development
4 7 9	Research Paper Publication	Lakshmi Narain College of Technology (LNCT), Bhopa	Anil Singh Yadav	Research and academic development
4 8 0	Research Paper Publication	MNIT	Dilip Sharma	Research and academic development
4 8 1	Research Paper Publication	Amity University Rajasthan	Gourav Sharma	Research and academic development
4 8 2	Research Paper Publication	Amity University Rajasthan	Amandeep Singh Arora	Research and academic development
4 8 3	Research Paper Publication	Banasthali Vidyapith	Asha rawat	Research and academic development
4 8 4	Research Paper Publication	Guru Jambheshwar University of Science & Technolog	Poonam Rani	Research and academic development



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4 8 5	Research Paper Publication	Manipal University	Anil Mehta	Research and academic development
4 8 6	Research Paper Publication	National Institute of Technology Patna	Bal Chand Nagar	Research and academic development
4 8 7	Research Paper Publication	Maharana Pratap University of Agriculture and Tech	Devendra Jain	Research and academic development
4 8 8	Research Paper Publication	Analogica Software Development Centre Bangalore	Vijay Shanthagiri	Research and academic development
4 8 9	Research Paper Publication	Gangadhar Meher University	Debasis Behera	Research and academic development
4 9 0	Research Paper Publication	Department of Physics	Banwari Lal Choudhary	Research and academic development
4 9 1	Research Paper Publication	IIIT Pune	Rahul Dixit	Research and academic development
4 9 2	Research Paper Publication	S. S. Jain Subodh P.G. College, Jaipur	Dr. Tripti Mehta	Research and academic development
4 9 3	Research Paper Publication	Analogica Software Development Centre	vijay shanthagiri	Research and academic development
4 9 4	Research Paper Publication	Amity University, Haryana, 122413, India	Dipti Vaya	Research and academic development
4 9 5	Research Paper Publication	Madan Mohan Malaviya University of Technology	Swati Gangwar	Research and academic development



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4 9 6	Research Paper Publication	MNIT	Arun Gaur	Research and academic development
4 9 7	Research Paper Publication	Jaypee University of Engineering and Technology	Vipin Tyagi	Research and academic development
4 9 8	Research Paper Publication	Madan Mohan Malaviya University of Technology	Swati Gangwar	Research and academic development
4 9 9	Research Paper Publication	NCSU USA	Vibhor Kumar	Research and academic development
5 0 0	Research Paper Publication	Gujarat Forensic Science University	Dr. Hemen Dave	Research and academic development
5 0 1	Research Paper Publication	National Research Institute of Astronomy and Geoph	Elbaz I. Abouelmagd	Research and academic development
5 0 2	Research Paper Publication	Maharana Pratap University of Agriculture and Tech	Dr Devendra Jain	Research and academic development
5 0 3	Research Paper Publication	Amity University Uttar Pradesh	Ushaben Keshwala	Research and academic development
5 0 4	Research Paper Publication	Cankaya University, Ankara, Turkey	[D. Baleanu	Research and academic development
5 0 5	Research Paper Publication	MNNIT Allahabad	Dr Abhishek Kumar Tiwari	Research and academic development
5 0 6	Research Paper Publication	University of Rajasthan	Dr. Sumita Kachhwaha	Research and academic development



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5 0 7	Research Paper Publication	Civil Engg., MNIT, Jaipur	Prof Rohit Goyal	Research and academic development
5 0 8	Research Paper Publication	Bennett University	Dr. Dilbag Singh	Research and academic development
5 0 9	Research Paper Publication	Integral University, Lucknow	A M Khan	Research and academic development
5 1 0	Research Paper Publication	G L Bajaj Institute of Technology and Management,	Payal Garg	Research and academic development
5 1 1	Research Paper Publication	MNIT Jaipur	Praveen Agrawal	Research and academic development
5 1 2	Research Paper Publication	Bennett University, Noida	Dr. Sanjeet Kumar Nayak	Research and academic development
5 1 3	Research Paper Publication	CSIR-CDRI, Lucknow	Jitendra Kuldeep	Research and academic development
5 1 4	Research Paper Publication	JIS University	Dr. Nilanjan Dey	Research and academic development
5 1 5	Research Paper Publication	Madan Mohan Malaviya University of Technology	Swati Gnagwar	Research and academic development
5 1 6	Research Paper Publication	MLR Institute of Technology, Hyderabad	Kaushal Gandavadi	Research and academic development
5 1 7	Research Paper Publication	Indian Space Research Organisation, Bangalore, Ind	Mohammed Adnan Hasan	Research and academic development



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5 1 8	Research Paper Publication	U.R. Rao Satellite Centre (formerly ISRO Satellite	MOHAMMED ADNAN HASAN	Research and academic development
5 1 9	Research Paper Publication	Narasaraopeta Engineering College	Mohiddin Shaw Shaik	Research and academic development
5 2 0	Research Paper Publication	Tata Institute of Social Sciences	Shiromi Chaturvedi	Research and academic development
5 2 1	Research Paper Publication	Mangalore University	Dr. R. Shankar	Research and academic development
5 2 2	Research Paper Publication	Shri Mata Vaishno Devi University, Katra, J&k, Ind	Dr. Vineet V Tyagi	Research and academic development
5 2 3	Research Paper Publication	Department of Electrical Engineering, Northern Ill	Vibhor Kumar	Research and academic development
5 2 4	Research Paper Publication	GWECA	Gaurav Saxena	Research and academic development
5 2 5	Research Paper Publication	GWECA	Gaurav Saxena	Research and academic development
5 2 6	Research Paper Publication	GWECA	Gaurav Saxena	Research and academic development
5 2 7	Research Paper Publication	S. S. Jain Subodh P.G. (Autonomous) College	Tarun Patodia	Research and academic development
5 2 8	Research Paper Publication	NIT UTTARAKHAND	Dharmendra Tripathi	Research and academic development



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5 2 9	Research Paper Publication	IPS academy Indore	J Tripathi	Research and academic development
5 3 0	Research Paper Publication	THE IIS UNIVRSITY, JAIPUR	Ekta Mittal	Research and academic development
5 3 1	Research Paper Publication	UPES, Dehradun	Madhu Sharma	Research and academic development
5 3 2	Research Paper Publication	Indian Institute of Technology Roorkee	Absar Ahmad Kazmi	Research and academic development
5 3 3	Research Paper Publication	Madan Mohan Malaviya University of Technology	Swati Gnagwar	Research and academic development
5 3 4	Research Paper Publication	Amity School of Engg. & Tech	Sumit Gupta	Research and academic development
5 3 5	Research Paper Publication	IPS academy Indore	J Tripathi	Research and academic development
5 3 6	Research Paper Publication	RMIT University	Savankumar Patel	Research and academic development
5 3 7	Research Paper Publication	CSIR-Central Electronics Engineering Research Inst	Ashish Kumar	Research and academic development
5 3 8	Research Paper Publication	IIT (ISM) Dhanbad	Mr. Amit Rai	Research and academic development
5 3 9	Research Paper Publication	Government Medical College, Kannauj, Uttar Pradesh	Dr. Durgesh Kumar	Research and academic development



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5 4 0	Research Paper Publication	Institute for Plasma Research, Gandhinagar, 382428	Aniruddha Samanta	Research and academic development
5 4 1	Research Paper Publication	Amity University Rajasthan	Amit Kumar Gupta	Research and academic development
5 4 2	Research Paper Publication	Swami Keshvanand Institute of Technology, Manageme	Ankit Kumar	Research and academic development
5 4 3	Research Paper Publication	Ambedkar University New Delhi	Pranay Goswami	Research and academic development
5 4 4	Research Paper Publication	Maharishi Arvind Institute of Engineering & Techno	Syad junaid ali	Research and academic development
5 4 5	Research Paper Publication	MNIT Jaipur	Ashwani Kumar	Research and academic development
5 4 6	Research Paper Publication	Bhartiya Skill Development University, Jaipur	Dr Pancham Kumar	Research and academic development
5 4 7	Research Paper Publication	Gangadhar Meher University, Amruta Vihar, Sambalpu	Dr. Debasis Behera	Research and academic development
5 4 8	Research Paper Publication	Department of Applied Sciences, BML Munjal Univers	Vandana Suhag	Research and academic development
5 4 9	Research Paper Publication	Department of Applied Sciences, BML Munjal Univers	Vandana Suhag	Research and academic development
5 5 0	Research Paper Publication	Invertis University	Pallavi Sharma	Research and academic development



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5 5 1	Research Paper Publication	Jaipur Engineering College and Research Centre, Ja	Man Mohan Siddh	Research and academic development
5 5 2	Research Paper Publication	Manipal Academy of Data Science	Ravikant Paturi	Research and academic development
5 5 3	Research Paper Publication	School of basic science	K.S.NISAR	Research and academic development
5 5 4	Research Paper Publication	The M. S. University of Baroda, Vadodara, India	Alpa Dashora	Research and academic development
5 5 5	Research Paper Publication	THE IIS UNIVRSITY, JAIPUR	Ekta Mittal	Research and academic development
5 5 6	Research Paper Publication	Karadeniz Technical University	Gökhan Hekimoglu	Research and academic development
5 5 7	Research Paper Publication	Amity University Rajasthan	Ramesh Chandra Poonia	Research and academic development
5 5 8	Research Paper Publication	Kardeniz Technical University, Turkey	Gökhan Hekimoglu	Research and academic development
5 5 9	Research Paper Publication	University of Cambridge	Aazraa O. Pankan	Research and academic development
5 6 0	Research Paper Publication	Rajasthan Technical University Kota	Sunil Dutt Purohit	Research and academic development
5 6 1	Research Paper Publication	Amity University Rajasthan	Ushaben Keshwala	Research and academic development



5 6 2	Research Paper Publication	IIT Bombay	Prof. Satish Vitta	Research and academic development
5 6 3	Research Paper Publication	Koszalin University of Technology, 75-453 Koszalin	Adam Slowik	Research and academic development
5 6 4	Research Paper Publication	Central Soil Salinity Research Institute	Priyanka Chandra	Research and academic development
5 6 5	Research Paper Publication	San Francisco State University, USA	Dr. Vidhyacharan Bhaskar	Research and academic development
5 6 6	Research Paper Publication	National Institute of Technology Raipur	deepika agarwal	Research and academic development
5 6 7	Research Paper Publication	Uttarakhand Technical University, Dehradun, India	Pradeep SinghRawat	Research and academic development
5 6 8	Research Paper Publication	Faculty of Science, The M.S. University of Baroda,	B.R.Bhagat	Research and academic development
5 6 9	Research Paper Publication	Uttarakhand Technical University, Dehradun, India	Pradeep Singh Rawat	Research and academic development
5 7 0	Research Paper Publication	Punjab Engineering College	Naveen Kumar	Research and academic development
5 7 1	Research Paper Publication	Smt. HR Patel Arts Mahila College, Shirpur	V. Pawar	Research and academic development
5 7 2	Research Paper Publication	Kardeniz Technical University, Turkey	Dr. Ahmet Sari	Research and academic development



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5 7 3	Research Paper Publication	Helwan University, Cairo, Egypt	Hossam Salem	Research and academic development
5 7 4	Research Paper Publication	Bule Hora University Oromia, P.O. Box 144 Ethiopia	Rajesh Kumar	Research and academic development
5 7 5	Research Paper Publication	GL Bajaj Group of Institutions	Dr. Praveen Agarwal	Research and academic development
5 7 6	Research Paper Publication	IIT ISM DHANBAD	Somnath Chattopadhyaya	Research and academic development
5 7 7	Research Paper Publication	MNIT	Ram Dayal	Research and academic development
5 7 8	Research Paper Publication	Poornima University	Hemlata Jain	Research and academic development
5 7 9	Research Paper Publication	King Saud University College of Medicine, Riyadh	Rehan Ahmad	Research and academic development
5 8 0	Research Paper Publication	JLU BHOPAL	RAJIT NAIR	Research and academic development
5 8 1	Research Paper Publication	Karadeniz Technical University	Gökhan Hekimoglu	Research and academic development
5 8 2	Research Paper Publication	MNIT Jaipur	Praveen Agrawal	Research and academic development
5 8 3	Research Paper Publication	School of Basic Sciences	Dr Ajay Saini	Research and academic development



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5 8 4	Research Paper Publication	Shroff S R Rotary Institute of Chemical Technology	H.K.balsora	Research and academic development
5 8 5	Research Paper Publication	University of Gour Banga, Malda, West Bengal	Atul Bandyopadhyay	Research and academic development
5 8 6	Research Paper Publication	Indian Institute of Technology (BHU), Varanasi, Ut	Maurya Sandeep Pradeepkumar	Research and academic development
5 8 7	Research Paper Publication	CSIR-Central Glass and Ceramic Research Institute,	Payel Maiti	Research and academic development
5 8 8	Research Paper Publication	FMS-IRM, Jaipur	Dr Abhineet Saxena	Research and academic development
5 8 9	Research Paper Publication	g, Techno India NJR Institute of Technology, Udaip	PRASUN CHAKRABARTI	Research and academic development
5 9 0	Research Paper Publication	VIT Chennai	Dr. Shivani Gupta	Research and academic development
5 9 1	Research Paper Publication	Department of Physics	Jagrati Sahariya	Research and academic development
5 9 2	Research Paper Publication	NIT Hamirpur	Dr. Jitendra Singh Yadav	Research and academic development
5 9 3	Research Paper Publication	3Departmentof Higher Education, Govt. of J&K, Jamm	Dr. Mandeep Singh	Research and academic development
5 9 4	Research Paper Publication	Government Medical College, Kannauj, Uttar Pradesh	Durgesh Kumar	Research and academic development



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JAIPUR**

(University under Section 2(f) of the UGC Act)

5 9 5	Research Paper Publication	Shri Guru Govind Singh College, Chandigarh	Naveen Kumar	Research and academic development
5 9 6	Research Paper Publication	College of Arts and Sciences, Prince Sattam bin Ab	KOTTAKKARAN SOOPPY NISAR	Research and academic development
5 9 7	Research Paper Publication	Zakir Husain Delhi College	Ritu Mathur	Research and academic development
5 9 8	Research Paper Publication	Indira Institute of Management	Dr. Smita Pachare	Research and academic development
5 9 9	Research Paper Publication	MNIT Jaipur	Dnyaneshwar Ghode	Research and academic development
6 0 0	Research Paper Publication	University School of Business-Industry Collaborate	Dr. Surya K.Pal	Research and academic development
6 0 1	Research Paper Publication	Retired from Rajasthan Technical University	Rakesh Chandra Gaur	Research and academic development
6 0 2	Research Paper Publication	School of Basic Sciences and Research, Sharda Univ	Dr Tanmoy Chakraborty	Research and academic development
6 0 3	Research Paper Publication	Faculty of Medicine, University of Kelaniya, Ragam	Yasanandana Supunsiri Wijayasinghe	Research and academic development
6 0 4	Research Paper Publication	Department of Biotechnology, Invertis University,	Pallavi Sharma	Research and academic development
6 0 5	Research Paper Publication	Bule Hora University, Ethiopia	Biniyam Alemu	Research and academic development



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(University under Section 2(f) of the UGC Act)

6 0 6	Research Paper Publication	JECRC University	Rajani Kumari	Research and academic development
6 0 7	Research Paper Publication	Northwestern Polytechnical University China	R. Cui	Research and academic development
6 0 8	Research Paper Publication	Rajasthan Technical University, Kota, India	Dr. Sunil Dutt Purohit	Research and academic development
6 0 9	Research Paper Publication	Shroff S.R. Rotary Institute of Chemical Technolog	S. Kartik	Research and academic development
6 1 0	Research Paper Publication	Career point university, kota	Surendra Yadav	Research and academic development
6 1 1	Research Paper Publication	Amity University Uttar Pradesh	Ushaben Keshwala	Research and academic development
6 1 2	Research Paper Publication	IIT Delhi	Prof. Bhim Singh	Research and academic development
6 1 3	Research Paper Publication	MIT	K. M. BHARGAVI	Research and academic development
6 1 4	Research Paper Publication	Guru Ghasidas Vishwavidyalaya (Central University)	Dr. Rohit Raja	Research and academic development
6 1 5	Research Paper Publication	Amity University Rajasthan	Harshal Patil	Research and academic development
6 1 6	Research Paper Publication	Amity University Rajasthan	G.L. Saini	Research and academic development



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(University under Section 2(f) of the UGC Act)

6 1 7	Research Paper Publication	Swami Keshvanand Institute of Technology, Manageme	Praveen K. Jain	Research and academic development
6 1 8	Research Paper Publication	Lokseva Ayog	Dr.Arun Kumar Bhagat	Research and academic development
6 1 9	Research Paper Publication	Indian Institute of Science Bangalore	Dr. B. Gurumoorthy	Research and academic development
6 2 0	Research Paper Publication	Maharana Pratap University of Agriculture and Tech	Devendra Jain	Research and academic development
6 2 1	Research Paper Publication	National University Singapore	Prof. Seeram Ramakrishna	Research and academic development
6 2 2	Research Paper Publication	RMIT Australia	Ravipal Singh	Research and academic development
6 2 3	Research Paper Publication	CSE	RAJIT NAIR	Research and academic development
6 2 4	Research Paper Publication	MNIT Jaipur	Dr. Ashwani Kumar	Research and academic development
6 2 5	Research Paper Publication	IIT Bombay	Rajdip Bandyopadhyaya	Research and academic development
6 2 6	Research Paper Publication	ABES EC Ghaziabad	Shubham Tiwari	Research and academic development
6 2 7	Research Paper Publication	IIT (ISM) Dhanbad	Amit Rai	Research and academic development



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(University under Section 2(f) of the UGC Act)

6 2 8	Research Paper Publication	Bennett University	Manjit Kaur	Research and academic development
6 2 9	Research Paper Publication	IPE,Hyderabad	Shweta Mehrotra	Research and academic development
6 3 0	Research Paper Publication	CSIRO, Australia	Dr. Anu Kumar	Research and academic development
6 3 1	Research Paper Publication	Jaipuria Institute of Management, Noida, India	Prasoon Mani Tripathi	Research and academic development
6 3 2	Research Paper Publication	Subodh PG College, Jaipur	Tripti Mehta	Research and academic development
6 3 3	Research Paper Publication	Institute UTINAM,University of Franche-Comete, Fra	Wafa Sassi	Research and academic development
6 3 4	Research Paper Publication	The IIS University	Dr Smita Purohit	Research and academic development
6 3 5	Research Paper Publication	Amity University Gwalior	Deepak Kumar	Research and academic development
6 3 6	Research Paper Publication	King Saud University College of Medicine, Riyadh	MAHA-HAMADIEN ABDULLA	Research and academic development
6 3 7	Research Paper Publication	IPS academy Indore	Jitendra Tripathi	Research and academic development
6 3 8	Research Paper Publication	JAI NARAIN VYAS UNIVERSITY	MANISH VADERA	Research and academic development



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(University under Section 2(f) of the UGC Act)

6 3 9	Research Paper Publication	JECRC University	Avireni Srinivasulu	Research and academic development
6 4 0	Research Paper Publication	JECRC University	Tripti Dua	Research and academic development
6 4 1	Research Paper Publication	College of Science and Engineering	Gunther Andersson	Research and academic development
6 4 2	Research Paper Publication	Department of Applied Chemistry, DIAT, Girinagar,	Priyanka Phalswal	Research and academic development
6 4 3	Research Paper Publication	Brindavan College	G. Gunaseelan	Research and academic development
6 4 4	Research Paper Publication	UIET, MDU, Rohtak	akash ahlawat	Research and academic development
6 4 5	Research Paper Publication	UIET, Maharshi Dayanand University, Rohtak	sandeep	Research and academic development
6 4 6	Research Paper Publication	S S Jain Subodh PG college Jaipur	Balram Tripathi	Research and academic development
6 4 7	Research Paper Publication	IIT(ISM), Dhanbad	Dr. S P Tiwari	Research and academic development
6 4 8	Research Paper Publication	Celestial Mechanics and Space Dynamics Research Gr	Elbaz I. Abouelmagd	Research and academic development
6 4 9	Research Paper Publication	SBS	Dr. Ajay Saini	Research and academic development



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(University under Section 2(f) of the UGC Act)

6 5 0	Research Paper Publication	Medi caps University	Archana Choudhary	Research and academic development
6 5 1	Research Paper Publication	School of Science, Huzhou University, Huzhou 31300	Hu Ge-JiLe	Research and academic development
6 5 2	Research Paper Publication	MNIT Jaipur	Dr. Kusum Verma	Research and academic development
6 5 3	Research Paper Publication	University of Kota	Dr. K. Kabra	Research and academic development
6 5 4	Research Paper Publication	University of Technology and Applied Sciences, Oma	Dr Vinod Hatwal	Research and academic development
6 5 5	Research Paper Publication	DIPR, DRDO	Dr. Nidhi Maheshwari	Research and academic development
6 5 6	Research Paper Publication	Karadeniz Technical University	Ahmet Sari	Research and academic development
6 5 7	Research Paper Publication	govt. medical college, pali, rajasthan	daljeet kaur	Research and academic development
6 5 8	Research Paper Publication	IITDM	Vijayakumar K	Research and academic development
6 5 9	Research Paper Publication	Banasthali Vidyapith	Shally Vats	Research and academic development
6 6 0	Research Paper Publication	MNIT Jaipur	Kailash Singh	Research and academic development



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(University under Section 2(f) of the UGC Act)

6 6 1	Research Paper Publication	Department of Chemistry, Dumkal College, Murshidab	Sandip Kumar Rajak	Research and academic development
6 6 2	Research Paper Publication	Electronics	P K Jain	Research and academic development
6 6 3	Research Paper Publication	Tripura University	Debabrata Majumder	Research and academic development
6 6 4	Research Paper Publication	Institute of Chemical Technology	Jyeshtharaj B. Joshi	Research and academic development
6 6 5	Research Paper Publication	Mohanlal Sukhadia University, Udaipur	Rama Kanwar Khangarot	Research and academic development
6 6 6	Research Paper Publication	University of Rajasthan	P Sharma	Research and academic development
6 6 7	Research Paper Publication	Amity University Uttar Pradesh	Ushaben Keshwala	Research and academic development
6 6 8	Research Paper Publication	Amity University Rajasthan	S. K. Vijay	Research and academic development
6 6 9	Research Paper Publication	Madan Mohan Malaviya University of Technology	Swati Gnagwar	Research and academic development
6 7 0	Research Paper Publication	Government College, Sirohi 307001, Rajasthan, Indi	Maneesh Kumar	Research and academic development
6 7 1	Research Paper Publication	IIT Roorkee	Rakesh Singh	Research and academic development



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6 7 2	Research Paper Publication	IIT Roorkee	Anshika Verma	Research and academic development
6 7 3	Research Paper Publication	RTU,KOTA	Sunil Dutt Purohit	Research and academic development
6 7 4	Research Paper Publication	Malaviya National Institute of Technology, Jaipur	Dr. Nikhil Gupta	Research and academic development
6 7 5	Research Paper Publication	SPORTS AUTHORITY OF INDIA NEW DELHI	SHUBHAM BADHYAL	Research and academic development
6 7 6	Research Paper Publication	Department of Electrical and Electronics Engineeri	Bharathi R. B.	Research and academic development
6 7 7	Research Paper Publication	Manipal ProLearn	Sunit Behera	Research and academic development
6 7 8	Research Paper Publication	Amity University Uttar Pradesh	Ushaben Keshwala	Research and academic development
6 7 9	Research Paper Publication	Material Research Centre, Malviya National Institu	Himmat Singh Kushwaha	Research and academic development
6 8 0	Research Paper Publication	Banaras Hindu University	Pradeep Singh Chahar	Research and academic development
6 8 1	Research Paper Publication	Banaras Hindu University	Pradeep Singh Chahar	Research and academic development
6 8 2	Research Paper Publication	University of Rajasthan	Ritika Bhatt	Research and academic development



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6 8 3	Research Paper Publication	Dumkal College, Murshidabad	Sandip Kumar Rajak	Research and academic development
6 8 4	Research Paper Publication	GL Bajaj Group of Institutions, Mathura	Praveen Kumar Agarwal	Research and academic development
6 8 5	Research Paper Publication	The University of Texas at Arlington	Subhas Chand	Research and academic development
6 8 6	Research Paper Publication	NIT Durgapur	Ankita Choudhury	Research and academic development
6 8 7	Research Paper Publication	IPS academy Indore	J Tripathi	Research and academic development
6 8 8	Research Paper Publication	Chandigarh University, Ajitgarh, Punjab, India	Kaljot Sharma	Research and academic development
6 8 9	Research Paper Publication	IIT Roorkee	Madhu Jain	Research and academic development
6 9 0	Research Paper Publication	Dr. B. R. Ambedkar National Institute of Technolog	Jitendra Kumar Samriya	Research and academic development
6 9 1	Research Paper Publication	RTU, KOTA	Sunil Dutt Purohit	Research and academic development
6 9 2	Research Paper Publication	Vignan's Foundation for Science, Technology and Re	Abhinav Parashar	Research and academic development
6 9 3	Research Paper Publication	University of Rajasthan, India	Prof. Deepak Bhatnagar	Research and academic development



6 9 4	Research Paper Publication	galgotia university	Dhanaraj, Rajesh Kumar	Research and academic development
6 9 5	Research Paper Publication	Shiv Nadar University	Rohit Singh	Research and academic development
6 9 6	Research Paper Publication	Nanomaterials & Devices Research Laboratory	Subask CK	Research and academic development
6 9 7	Research Paper Publication	Secure Metering and Services Pvt. Ltd., Bhilwara,	Tawish Jain	Research and academic development
6 9 8	Research Paper Publication	Karadeniz Technical University, Turkey	Gökhan Hekimoglu	Research and academic development
6 9 9	Research Paper Publication	2Vedas International School, Haryana, India	Sachin Kumar Verma	Research and academic development
7 0 0	Research Paper Publication	CSE	Prasun Chakrabarti	Research and academic development
7 0 1	Research Paper Publication	Cooper Medical School	Max Von Suskil	Research and academic development
7 0 2	Research Paper Publication	Maharaja Surajmal Institute of Technology	Naresh Kumar	Research and academic development
7 0 3	Research Paper Publication	University of Lucknow, UP	Abdul Gaffar	Research and academic development
7 0 4	Research Paper Publication	Department of Biotechnology, Invertis University,	Pankaj Kumar Rai	Research and academic development



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(University under Section 2(f) of the UGC Act)

7 0 5	Research Paper Publication	Department of Biotechnology, Invertis University,	Zeba Mueed	Research and academic development
7 0 6	Research Paper Publication	Amity University Rajasthan	Ajay Jain	Research and academic development
7 0 7	Research Paper Publication	Suresh Gyan Vihar University	Chanchal Sharma	Research and academic development
7 0 8	Research Paper Publication	MNIT Jaipur	Dr. Kusum Verma	Research and academic development
7 0 9	Research Paper Publication	Indian Institute of Information Technology, Design	Sanjeet Kumar Nayak	Research and academic development
7 1 0	Research Paper Publication	Amity University Rajasthan	G L Saini	Research and academic development
7 1 1	Research Paper Publication	Vivekananda Global University, Jaipur, Rajasthan,	Meetu Nag	Research and academic development
7 1 2	Research Paper Publication	Chandigarh University, Mohali, Punjab	Kavita	Research and academic development
7 1 3	Research Paper Publication	University of Oulu	Anshuman Kalla	Research and academic development
7 1 4	Research Paper Publication	Bennett University	Dilbag Singh	Research and academic development
7 1 5	Research Paper Publication	Department of Chemistry, Banasthali Vidyapith, Ban	Ved prakash Verma	Research and academic development



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7 1 6	Research Paper Publication	Instituto de Filosofia “Doctor Alejandro Korn” CON	Martín Labarca	Research and academic development
7 1 7	Research Paper Publication	NMAM Institute of Technology	Vikram Raju Reddicherla	Research and academic development
7 1 8	Research Paper Publication	IITD	Prof. Bhim Singh	Research and academic development
7 1 9	Research Paper Publication	Department of Mathematics and Astronomy, Universit	Dhanesh Kumar	Research and academic development
7 2 0	Research Paper Publication	Bhagat Singh Govt. P.G. College, Jaora, India	Neelu pareek	Research and academic development
7 2 1	Research Paper Publication	Institute of Technology, Patna 800015, India	L. B. Roy	Research and academic development
7 2 2	Research Paper Publication	Amity University Uttar Pradesh	Ushaben Keshwala	Research and academic development
7 2 3	Research Paper Publication	MBM	Kailash Chaudhary	Research and academic development
7 2 4	Research Paper Publication	S.K.I.T., Jaipur	Jitendra Singh	Research and academic development
7 2 5	Research Paper Publication	Mewar University, 312901 Chittorgarh, India	Ankita Anand	Research and academic development
7 2 6	Research Paper Publication	NMIMS, Mukesh Patel School of TechnologyMana	U Ahuja	Research and academic development



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7 2 7	Research Paper Publication	Maharaja Sayajirao University of Baroda	A. Dashora	Research and academic development
7 2 8	Research Paper Publication	Malaviya National Institute of Technology Jaipur	Dr Sandeep Shrivastava	Research and academic development
7 2 9	Research Paper Publication	Bhartiya Skill Development University, Jaipur	Manisha Sheoran	Research and academic development
7 3 0	Research Paper Publication	Biyani Girls College	tarun Sharma	Research and academic development
7 3 1	Research Paper Publication	GilluRCS Pvt. Ltd.	Ashish Kumar	Research and academic development
7 3 2	Research Paper Publication	Amity University Uttar Pradesh	Ushaben Keshwala	Research and academic development
7 3 3	Research Paper Publication	Aligarh Muslim University	Mohd Anas	Research and academic development
7 3 4	Research Paper Publication	MNIT Jaipur	Prof. Dilip Sharma	Research and academic development
7 3 5	Research Paper Publication	Cooper Medical School	Omar Al-Odat	Research and academic development
7 3 6	Research Paper Publication	School of Ocean Science and Technology, Kerala Uni	Chinmay Kar	Research and academic development
7 3 7	Research Paper Publication	The University of New South Wales	Laicong Qiao	Research and academic development



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(University under Section 2(f) of the UGC Act)

7 3 8	Research Paper Publication	BRCM College of Engineering and Technology, Bahal,	Sunil Kr Maakar	Research and academic development
7 3 9	Research Paper Publication	Department of Applied Sciences, BML Munjal Univers	Vandana Suhag	Research and academic development
7 4 0	Research Paper Publication	Birla Institute of Scientific Research	Sonal Gupta	Research and academic development
7 4 1	Research Paper Publication	Indian Institute of Technology Roorkee, Roorkee, U	Vinay Kumar Tyagi	Research and academic development
7 4 2	Research Paper Publication	Amity University	Dr. Ashwani Kumar Yadav	Research and academic development
7 4 3	Research Paper Publication	PEC Chandigarh	Gurjeet Singh	Research and academic development
7 4 4	Research Paper Publication	Povolzhskiy State University of Telecommunications	Anton V. Bourdine	Research and academic development

SDG 17

National and International Partners

International Collaborations and partners at MUJ

Global Presence and activities organized by Manipal University Jaipur

Collaboration ways

MoUs/MoAs - Collaborations

Student and Faculty Mobility
(short, long, internship, study
tour, explore India)

Higher Education
Opportunities/ Intl. Edu.
Expos

High Profile Visits to
strengthen
Internationalization

Structured Summer and
Winter School Program

Clear Policies

Research Collaborations

International Funding viz.
Joint research funding, EU
Funding,

Any other international
activities

MUJ Globally through MoU



MUJ's Global Presence

S. No.	Country	MoUs/MoAs	S. No.	Country	MoUs/MoAs
1	Australia	12	20	New Zealand	2
2	Armenia	1	21	Poland	2
3	Bangladesh	1	22	Portugal	2
4	Belarus	1	23	Romania	1
5	Bulgaria	2	24	Russia	18
6	Canada	1	25	Saudi Arab	1
7	Czech Republic	2	26	Serbia	1
8	France	11	27	Singapore	2
9	Germany	2	28	South Africa	2
10	Greece	1	29	Switzerland	1
11	Hungry	1	30	Tanzania	1
12	Indonesia	1	31	Thailand	2
13	Italy	5	32	Turkey	1
14	Kazakhstan	1	33	UAE	2
15	Kyrgyzstan	1	34	UK	13
16	Macedonia	1	35	Ukraine	1
17	Malaysia	4	36	USA	10
18	Malta	1	37	Uzbekistan	3
19	Nepal	2	38	Multi Country	1
Total:					117



Relationship between MUJ and top QS ranked universities (Top 500)



QS 90



QS 51-100



QS 325



QS 193



QS 425



QS 361



Al-Farabi Kazakh National University



QS 188



QS 50



QS 150

QS 359



QS 266



QS 264

50+ MOUs with top QS ranked universities
*QS rank for 'YEAR 2023'



QS 192



QS 51-100

*Subject rank



Bauman Moscow State Technical University

QS 230



UNIVERSITY OF LEICESTER

QS 279

QS 15



QS 412

Prime National Partners



International activities progress from 2018 to 2021

Sl. No	Activities	Up to June 2018	2018* to till date	Total
1	International MOUs/Agreements signed	31	76	107
2	MOUs/Agreements signed with QS ranked institutes	10	25	35
3	No. of countries covered through MOUs	13	21	34
4	Student Exchange (Outgoing)	16	70	86
5	Student Exchange (Incoming)	03	12	15
6	IAESTE Internship Exchanges (Outgoing)	34	42	76
7	IAESTE Internship Exchanges (Incoming)	32	46	78
8	Faculty Mobility (Outgoing) Exchanges, Short Visits, Guest Lectures, Conferences, Workshops	74	175	249
9	Faculty Mobility (Incoming) Exchanges, Short Visits, Guest Lectures, Conferences, Workshops	18	47	65
10	Total International Funding till date (INR) Erasmus+ Consortium APPLY Project; Indo-Bulgaria Joint Cooperation; Office of Naval Research Global (ONRG), Singapore; Kurita Water Environment Fund, Japan		2.089 Crores	

International activities Glimpses



Student engagements Internationally





SDG 17

Collaboration with NGO



MANIPAL UNIVERSITY
JAIPUR

**A Report on Collaborative Program with
Autism Society of Disabled children, Jaipur**

Manipal University Jaipur

Autism Society of Disabled children Date: 3rd October 2021
Venue: Approach Autism Society
(Chitrakoot, Near Akshar Dham Temple, Vaishali Nagar, Jaipur, Rajasthan)

As a part of DAAN UTSAV we the team of DSW, Manipal University Jaipur has organized a visit to Approach Autism Society running for disabled children. On Thursday 3rd October 2019, our team with 15 students have visited Approach Autism Society. Following activities has been conducted during that visit:

1. Distribution of stationary items and chocolates among the disabled children.
2. Interactive session of 4 hour duration, through small game activities.
3. Students of Approach Autism Society have shown their jewelries made by them only.

Following Authorities from University has visited

1. Dr. Oum Kumari , Assistant Professor, Member Directorate of Student's Welfare
2. Mr. Hemant Kumar, Assistant Director, Directorate of Student's Welfare

The event was successfully completed. Some glimpses are as below:





MANIPAL UNIVERSITY
JAIPUR

**A Report on Collaborative Program with NGO
Robin Hood Army, Jaipur for Children of
Slums**

OUTREACH ACTIVITY ON SKILL DEVELOPMENT

Outreach activity on Skill Development for the Children of Slum Area, Near Vaishali Nagar, Jaipur organized by Department of Mathematics and Statistics, Manipal University Jaipur with the collaboration of NGO Robin hood Army, Vaishali Chapter and Directorate of Student Welfare (DSW).

The aim of this event was to introduce some skill development activity and create an interest towards studies in children of slum area, near Vaishali Nagar, Jaipur. Because this is the age where a child decides for the path to take and discover interests, hobbies, and talents in life.

It was a 1 day long proceeding where students and faculty members Department of mathematics & Statistics, Manipal University Jaipur and members of Tractrix club, Manipal University Jaipur, workers of NGO Robin hood Army, Vaishali Chapter visited the "Slum Area, Near Vaishali Nagar, 200 feet bypass Jaipur" and organized few activities such as making envelope from papers and where we can use this envelope to make environment free from pollution of polyethene, Fun activities related to Holi, educated them about importance of being educated. The children were very keen to learn and participated very actively in all the activity organized by NGO with faculty members and students.

This activity gave good exposure to children and helped them to develop their skills.

This event was presided over by two of our esteemed mathematics faculty; Prof. Kalpna Sharma, Head Department of Mathematics and Statistics, Dr. Virendra Singh Chouhan, Coordinator, and members of Tractrix club and students of Manipal University Jaipur (Pranjali Mishra, Harshit Soni, Prashant Kumar Meena, Shubham,

Imtiaz Alam, Jitendra, Saurabh Sharma etc.) of the mathematical club of MUJ, and whole team of NGO Robin hood Army, Vaishali Chapter were present to look over the smooth running of this camp.

Pencil boxes and many stationary items were also given away to the students to further motivate them to increase their interest in studies. It was a good initiative to spread awareness about not utilize polythene to pollution free environment. A little hard work today might give us great humans tomorrow.



Fig-1,2,3,4- Guiding children for making envelop through paper



Fig- 5,6- Observing children activity by faculty, students, and NGO members





Fig- 7,8,9 - Children showing the envelope made by them



**MANIPAL UNIVERSITY
JAIPUR**

**Collaborative Program
on
Awareness on Drug Abuse
by
Society For Women Dignity and Security, Jaipur**

Report

The session was conducted by Manipal University Jaipur in collaboration with Society For Women Dignity And Security, Jaipur, Rajasthan where an awareness campaign was launched to make people aware about the abuse of drugs and its effect on the society at large. Following are the details about the topics covered in the webinar.

After understanding the impact of different kinds of Drugs on the Body (physical and mental), Drug Abuse and laws attracting the Consequences under various Statute, the Prevention of the Abuse is a the need of the time. The Report deals with how the prevention of the same can be achieved through Rehabilitation.

Drug treatment is intended to help addicted individuals form compulsive drug seeking and usage. Drug addiction is typically chronic disorder so it is a long-term process involving multiple intervention and mechanism with regular monitoring. Components of Comprehensive Drug abuse treatment. It encircles variety of evidence-based approach of various discipline like Behavioral therapy, medication.

The Drug Rehabilitation Process which can be understood in four steps namely Assessment, Detoxification, Rehabilitation and most importantly Aftercare. Report also includes types of Drug Rehabilitation Treatment like for example Partial Hospitalization, Long-term Drug Rehab, different approach for Drug and Alcohol Rehab which deals basically with alcoholism.

Awareness regarding not to drive under the influence of Drugs and Alcohol. Beside basic awareness of traffic Rules like wearing Helmet, Lane-driving, proper way of overtaking and avoiding Road-Rage.





**MANIPAL UNIVERSITY
JAIPUR**

presents

Collaborative Program

on

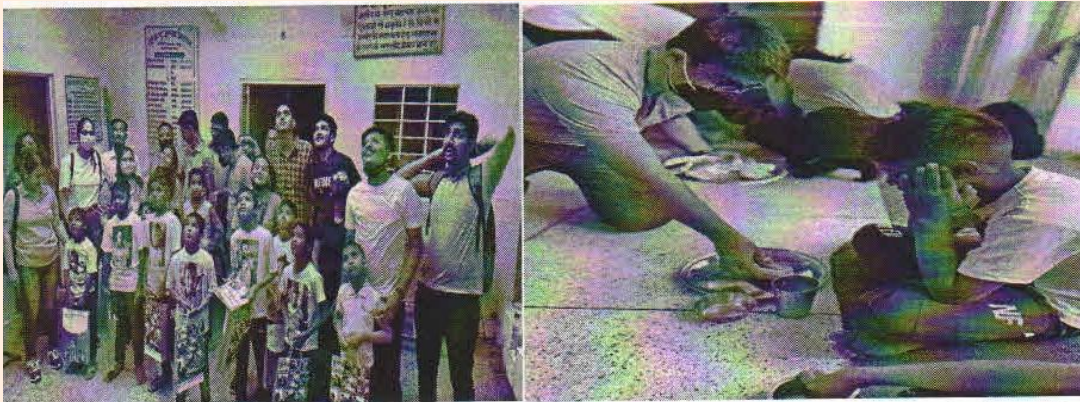
Helping Hands

by

Shree Hindu Anath Ashram, Jaipur

Report

- The team school of hotel management in association with Epicurean Club and DSW, MUJ had organized an Outreach Event on 6th of March 2021. It was a charity based event. We went to an orphanage (shri hindu anath ashram, chaura rasta Jaipur) to cheer up children and have fun along with them. MUJ students played some games, activities & had lunch with them.
- We went there with the ingredients and made lunch by ourselves. We made pav bhaji there. But the menu comprised of pav bhaji, kheer and vanilla cupcakes. We had a very great time with the children there. We played many games with them like musical chairs etc. and enjoyed a lot. From the team epicurean and school of hotel management 28 members went, and we served 15 children's there. We had a very good interaction session with the children there asking them many things about themselves. We made lunch for them and served them as it was one of the best moment to see them enjoying and eating and also provided them with a kit of stationery which consisted of basic necessity and books.





**MANIPAL UNIVERSITY
JAIPUR**

presents

Collaborative Program

on

**awareness workshop on “Prime Minister Employment Generation
Program (PMEGP) Schemes**

with

**Khadi and Village Industries
Commission (KVIC), Govt. of India
Shree Hindu Anath Ashram, Jaipur**

**Awareness workshop on "Prime Minister Employment Generation
Program (PMEGP) Schemes of Khadi and Village Industries
Commission (KVIC), Govt. of India**

25th March 2021



**Workshop on "Prime Minister Employment Generation
Program (PMEGP) scheme of Khadi and Village
Industries Commission (KVIC)
Govt. of India"**

Rural Development Schemes



Organized by
Department of Chemistry in collaboration with
Department of Student Welfare (DSW) MUJ

**MARCH 25 • 2021
10:00 AM TO 12:30 PM**

Coordinator: Dr. Veena Dhayal
Dr. Sarika Singh
Mr. Hemant Kumar (DSW)

Report

Manipal University Jaipur has conducted second awareness workshop on “Rural Development Schemes offered by state and central governments for villagers of nearby villages under societal connect activities. This workshop was held on 25th March 2021 in old auditorium at 10:00 am – 12:30 pm. More than 60 participants from different villages were participated in this workshop. The list of participants is attached as Annex 1. The main objective of this event was to spread awareness among the villagers about the various type of schemes on the Prime Minister Employment Generation Program (PMEGP) of Khadi and Village Industries Commission (KVIC) Govt. of India.

This event was started with the welcome address by our Director, Prof. Lalita Ledwani, and Dean, Prof. Anoop Mukhopadhyay, School of Basic Sciences, Manipal University Jaipur. The chief-guest Mr. Dinesh Kumar Chawala, Assistant Director, Village Industries, Khadi and Village Industries Commission, Ministry of Micro, Small and Medium Enterprises, Government of India, Jhalana Dungri Institutional Area, Jaipur introduced several schemes for providing financial assistance to set up new enterprises under PMEGP. The scheme is implemented by Khadi and Village Industries Commission (KVIC) functioning as the nodal agency at the national level. At the state level, the scheme is implemented through State KVIC Directorates, State Khadi and Village Industries Boards (KVIBs), District Industries Centre’s (DICs) and banks. He also familiarized to participants about the nature of financial assistance, levels of funding under PMEGP (categories of beneficiaries, beneficiary's contribution, and rate of subsidy), eligibility condition of beneficiaries, how to apply and whom to contact. He also conferred informative knowledge about loan schemes for women's development. How they can avail the benefit of co-operative loans schemes for small and obsolete jobs for production and selling of basket, toys, clothes, spices, weaving, food items, work of leather, etc. for this kind of job. Government provides financials supports of around 50 thousand rupees.

In this way, the workshop was successfully organized by coordinators Dr. Veena Dhayal, Dr. Sarika Singh and Mr. Hemant Kumar (DSW) in the presence of dignitaries Prof. Anoop Kumar

Mukhopadhyay, Dean, FoS, Prof. Lalita Ladwani, Director, SBS, and Dr. Rahul Srivastava, HoD Chemistry.

Dean (FoS) and Director (SBS) addressing the audience



The chief guest addressing the audience



The audience





Group image



**MANIPAL UNIVERSITY
JAIPUR**

presents

Blood Donation Drive

in association with

Naryana Hridaya , Manipal Hospitals

Report

This event is organised under the guidance of Prof G L Sharma, Dean Student's welfare. Dr. Sandeep Joshi and Mr. Hemant Kumar (Assistant Director SW) were the faculty coordinator. The blood donation camp hosted by Manipal University Jaipur is one of the prestigious events in and out house which is engaged by student club-the Rotaract Green Club.

With a benchmark set of 1703 donor count in the year 2018, the event was evidently a success. With tremendous efforts and hard work of a team of over a one hundred people, tirelessly over the past three months, this year's camp surpassed the previously set count with a recorded number of 2025 pints of blood donated. Team led by convenor, Shruti Gupta; co-convenors, Varsha Sudhir and Jayant Sardana, the event surged to about one thousand donors efficiently by the afternoon displaying exceptional team spirit and cooperation. Blood donation camp each year is more than a club event, it is highly symbolic of how a dash of willpower to cater to the need of people beyond oneself can bring about larger alterations to the standard, insufficient go-about of the world.

The event was scheduled on the 14th of November and was inaugurated by the college honourable President, Dr. G K Prabhu at 10:00 AM in the morning closing at half past six in the evening. The following twenty hospitals were settled at the venue:

1. SDMH
2. Apex
3. Jaipuria
4. Army Hospital
5. SMS Trauma Hospital
6. SMS Hospital
7. HCG
8. Narayana Hridalya
9. Manipal Hospital
10. Swasthya Seva
11. Jananaa
12. Mahatma Gandhi Hospital
13. JKL
14. JNU
15. Pushpa Devi
16. Bhagwan Mahaveer Hospital
17. Suman Blood Bank
18. Agarsen Hospital
19. Arpan Hospital
20. Sevayatan Hospital

We were glad to have served our part and raised enough resource to help at least two thousand people in a country which falls short of about two million units of blood each year. We hope to see our input and contribution grow gradually, together.

Some Glimpse from Blood Donation Camp 2019







SDG 17

Activities & Projects



Technology Demonstration & Training Centre Brief Report of TDTC Training

1. Title of the training: Women Empowerment: Safety, Health, and Hygiene
2. Convener: Dr. Meena Kumari Sharma
3. Place/Location of the training:

S. No.	Location of Training	No. of Training
1.	Anooppura	2
2.	Jhund	2
3.	Dehmi Kalan	1
4.	Narvaria	1
5	Laxmi Narayanpura	1









Brief Report on Societal Training

1. **Title of the training:** Sanitation, Health and Hygiene
2. **Convener:** Dr. Meena Kumari Sharma
3. **Place/Location of the training:** Narvaria and Laxminarayanpura,

Photographs Traning 1: Narvaria Village







Training-2: Laxminarayanpura Village



Field Visit at Tillonia Village



महिलाओं ने जानी सैनिटेशन से जुड़ी जानकारियां



जयपुर ♦ मनिपाल यूनिवर्सिटी और विज्ञान एवं तकनीकी विभाग की ओर से बगरू स्थित ग्राम नरवरिया के राजकीय उच्च प्राथमिक विद्यालय में पांच दिवसीय प्रशिक्षण कार्यक्रम हुआ। सैनिटेशन, हैल्थ और हाइजीन विषय पर हुई कार्यशाला में महिलाओं को स्वास्थ्य और स्वच्छता

संबंधित जानकारियां दी। वर्कशॉप का संचालन मनिपाल यूनिवर्सिटी के सिविल इंजीनियरिंग विभाग की एसोसिएट प्रोफेसर डॉ. मीना कुमारी शर्मा ने किया। इसके तहत महिलाओं को तिलोनिया स्थित बेयरफुट कॉलेज में स्वरोजगार संबंधित जानकारियां दी गईं।

SOCIETAL PROJECT
on
**Performance Appraisal of Low-cost Community Based
Onsite Sanitation Systems in Ambient Environment of
Jaipur City**

(Financially supported by DST Rajasthan under the scheme of Swachh Bharat Mission)
Project file no. F8 (9)DST/SSD/2016/Part-1/3809

The present study investigates the efficiency and feasibility of an anaerobic onsite sanitation system for the treatment of household wastewater in actual field condition. The system consisted of a newly configured system consisting of two anaerobic bio-reactor within a single unit. The field-scale system is installed in Dehmi Kalan village in the vicinity of the Manipal University Jaipur. The feasibility of the system is identified on the basis of pollutant removal efficiency. In order to assess the efficiency, the system is feed with actual onsite wastewater generated from household activity with large fluctuations in the flow throughout a day. The finding reveal that the system achieved comparatively much higher removal efficiency than the existing conventional septic tank (CST) for COD, BOD and TSS as 90.2, 78.4 and 83.2% respectively, which ranged between 30 and 50% for CST for all the parameters. Thermotolerant coliform removal was also quite good at about 2.84 logs. Therefore, the present system can be a promising alternative to the CST for the treatment of domestic wastewater, particularly in the rural areas of the developing countries.

A. Lab-scale reactor in actual field condition:





B. Pilot-scale reactor in Dehmi Kalan Village:







Figure: Quality of wastewater after treatment using anaerobic treatment plant

Based on the performance analysis, the system is showing substantially higher pollutant removal efficiency with a better-quality effluent. The quality of the treated wastewater is such that the household owner is recycling and reusing it in gardening purpose. The present system can be installed at a low cost and in short period of time. Thus, the present system with a simple design, low-cost involvement and electricity-free operability has a significant potential to be considered as an alternative to the conventional septic tank for the treatment of domestic wastewater in the non-sewered rural and peri-urban areas of the developing countries like India.



Climate change is a waste management problem

Climate change is mainly related with the waste management problems. The physical problem underlying climate changes is the dumping of carbon dioxide and other greenhouse gases into the air and consecutively causes global warming. Carbon dioxide is a waste product therefore waste management impact on climate change. To enhance the knowledge of students towards climate change by using different waste management techniques, department of civil engineering has organized one faculty development program and series of expert lectures in waste management domain. The list of webinars and the related report of these activities are mentioned below.

1. Organized faculty development program on Waste Management during 2-6 November, 2020.
2. Expert lecture on “Community based research interventions in environmental science and engineering: the key to a sustainable and healthy society” by Prof. A.B.Gupta, from MNIT Jaipur.
3. Expert lecture on “Selection of Proper Waste Technology as part of Waste Management Infrastructure” by Prof Brajesh Dubey from IIT Kharagpur
4. Expert lecture on “Waste Technology on Faecal Sludge and Septage Management (ODF++)” by Prof Srinivas Chary Vedala, Director, Administrative Staff College, India
5. Waste Technology on business models for faecal sludge management” by Prof Dinesh Mehta, Professor Emeritus at CEPT University
6. Expert lecture on “*Waste Technology on Selection of Proper Waste Technology as part of Waste Management Infrastructure*” by Prof. A.B.Gupta, from MNIT Jaipur.



CHIEF PATRON

Dr G K Prabhu
(President, MUJ)

PATRON

Dr N N Sharma
(Pro President, MUJ)

Dr H Ravishankar
Kamath (Registrar, MUJ)

ADVISORY COMMITTEE

Dr Jagannath Korody
(Dean FoE)

Dr Bhavna Tripathi
(Director, SCCE)

Dr Meena Kumari Sharma
(HoD, Dept of Civil
Engineering)

Date: 2-6th November 2020

**Venue: Online Mode:
Manipal University Jaipur**



MANIPAL UNIVERSITY JAIPUR

ORGANIZES

FACULTY DEVELOPMENT PROGRAM ON WASTE TECHNOLOGY

IN
ASSOCIATION WITH

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

HIGHLIGHTS

- Eminent Speakers from Industries IITs, NITs and other Leading Academic Institutions.
- Interaction with India's leading Waste Technology Experts.

COORDINATOR

Prof Anil Dutt Vyas
(Civil Engineering)

Dr Abhishek Sharma
(Chemical Engineering)

Dr Aanyaa Chaudhary
(TAPMI School of Business)

DEPUTY COORDINATOR

Dr Priyansha Mehra
(Civil Engineering)

Mr Sagar Gupta
(Civil Engineering)

SPEAKERS

Prof. A B Gupta (MNIT, Jaipur)
Dr V S Chary (ASCI, Hyderabad)
Prof A A Kazmi (IIT Roorkee)
Prof Brajesh Dubey (IIT, Kharagpur)
Prof Jyoti Prakash (IIT, Mumbai)
Prof Makrand Gangrekar (IIT, Kharagpur)
Dr Vivek Agarwal (Director CDC, Jaipur)
Dr R C Gaur (Retired Pro-VC RU)
Dr Vishhwanath S (India's Lead Expert, Bengaluru)
Prof Malini Reddy (ASCI, Hyderabad)
Prof Sanjay Mathur (MNIT, Jaipur)
Prof Urmila Bhriгу (MNIT, Jaipur)
Dr Dinesh Mehta (CEPT, Ahmedabad)
Dr Meera Mehta (CEPT, Ahmedabad)
Dr Srikant Munturi (BITS, Goa)
Dr Nivedita Kaul (MNIT, Jaipur)
Dr Meena Kumari Sharma (MUJ, Jaipur)
Dr Abhishek Sharma (MUJ, Jaipur)
Dr Monika Sogani (MUJ, Jaipur)
Dr Aanyaa Chaudhary (MUJ, Jaipur)

- No fees for Participants
- Certificate on successful completion

REGISTRATION LINK:

<https://atalacademy.aicte-india.org/login>

1. Register as a participant → Fill your details
2. Select workshop: Rajasthan → Month → November → Thrust Area → Engineering : Waste Technology → Online Mode
3. Select Institute → Manipal University Jaipur

CONTACT US

Dr Priyansha Mehra
priyansha.mehra@jaipur.manipal.edu

Prof Anil Dutt Vyas
anildutt.vyas@jaipur.manipal.edu



 Faculty Development Program Waste Management 2-6 November, 2020 			
2 nd November			
Name of Resource Person	Institution	Presentation time	Topic of presentation
Dr G K Prabhu	President, MUJ	9.30 am- 10:00 am	Presidential Address
Prof A B Gupta	MNIT, Jaipur	10 am-11.30 am	Advances in sewage treatment : Issues and challenges with a focus on its reuse for irrigation
Prof Brajesh Dubey	IIT, Kharagpur	11.45 am-1.15 pm	Selection of Proper Waste Technology as part of Waste Management Infrastructure.
Prof A A Kazmi	IIT, Roorkee	1.45 pm-3.15 pm	Advanced technologies in sewage treatment
Dr Aanya Choudhary	MUJ,Jaipur	3.30 pm-4.30 pm	Emotional Intelligence at Work Place
3 rd November			
Dr Vishhvanath S	India's lead expert, Bengaluru	10 am-11.30 am	Wastewater management in a metropolis Policies , Practices and Challenges in Bengaluru
Prof Jyoti Prakash	IIT,Mumbai	11.45 am-1.15 pm	Waste Water Technologies
Dr Nivedita Kaul	MNIT,Jaipur	1.45 pm-3.15 pm	Advancements in solid waste management techniques
Dr R C Gaur	Retired RU and MUJ, Jaipur	3.30 pm-5.00 pm	Feasibility of waste water treatment systems
4 th November			
Prof Makrand Gangrekar	IIT Kharagpur	10 am-11.30 am	Exploiting bio-electrochemical systems to facilitate producing reusable quality treated water and resource recovery
Prof Sanjay Mathur	MNIT, Jaipur	11.45 am-1.15 pm	Decentralized Waste water Treatment.
Dr Vivek Agarwal	Director CDC, Jaipur	1.45 pm-3.15 pm	Solid Waste Management Technologies
Dr Dinesh Mehta	CEPT, Ahmedabad	3.30 pm-5.00 pm	Sanitation Financing
5 th November			
Dr V S Chary,	Director, ASCI, Hyderabad	10 am-11.30 am	GOI Priority areas
Prof Urmila Bhriugu	MNIT, Jaipur	11.45 am-1.15 pm	Waste Technologies
Dr Srikant Munturi	BITS,Goa	1.45 pm-3.15 pm	Wastewater treatment and epidemiology.
Prof Malini Reddy	ASCI, Hyderabad	3.30 pm-5.00 pm	City wide inclusive sanitation - principles and applications in India
6 th November			
Dr Meena Sharma	HoD Civil	10 am-11.30 am	Role of low cost on site sanitation systems with future prospects
Prof Abhishek Sharma	MUJ, Jaipur	11.45 am-1.15 pm	Waste to Resources- Valorization Process for Circular Economy
Dr Monika Sogani	MUJ, Jaipur	1.45 pm-3.15 pm	Delawas: A case study on Waste to Energy.
Participants Online Test		3.30 pm-5.00 pm	
Feedback Form		3.30 Pm-3.45 PM	
Closing and Valedictory			
Dr R S Kamath	Registrar, MUJ	4.00 PM Onwards	
Prof Jagannath Korody	Dean FOE	4.15 Pm onwards	
Prof Bhanvna Tripathi	Director SCCE	4.30 pm onwards	
Dr Meena Sharma	HoD Civil	4.45 Pm onwards	



Advances in sewage treatment : Issues and challenges with a focus on its reuse for irrigation



- ❖ **Prof. A.B. Gupta**
- ❖ Professor, Department of Civil Engineering,
- ❖ Malaviya National Institute of Technology, Jaipur

FDP on " Waste Technology, Manipal University, Jaipur, November 2-6, 2020

Selection of Proper Treatment Technology for Waste Management Infrastructure Manipal University, Jaipur

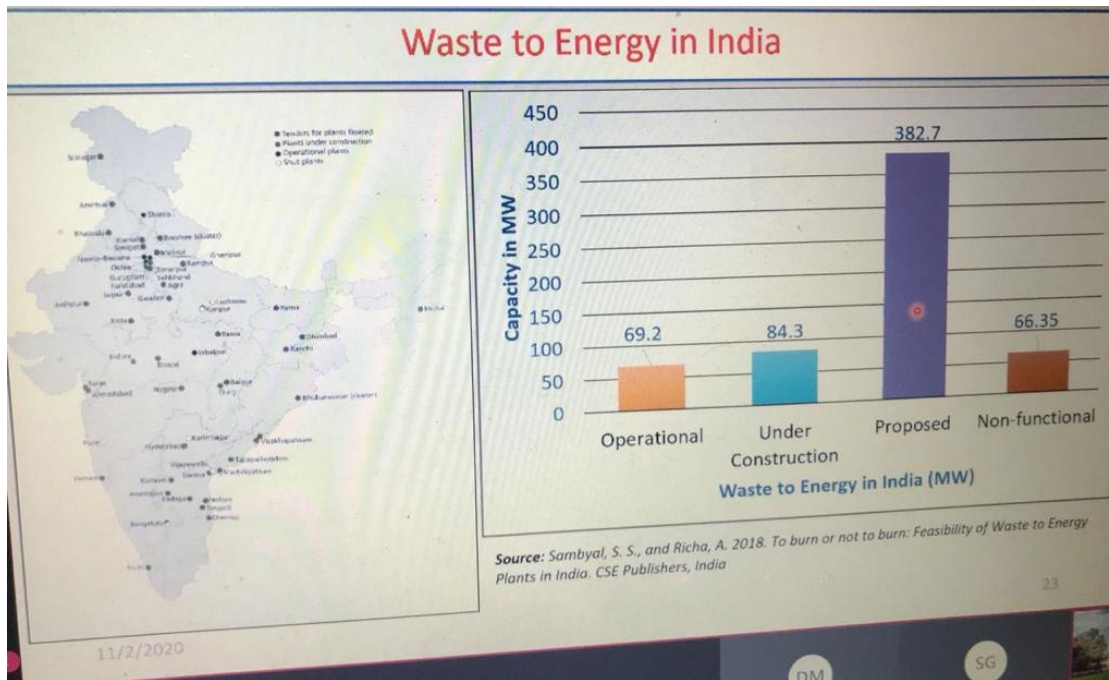
Brajesh K Dubey, PhD, C.Eng, FIE
Environmental Engineering and Management Division
Department of Civil Engineering

INSPIRED BY LIFE

एक कदम स्वच्छता की ओर

LIVE 02:42:02 Request control

Indian Institute of Technology Kharagpur




PRESENTATION 2 Nov. 2020.pptx - Microsoft PowerPoint

CONVENTIONAL ACTIVATED SLUDGE PROCESS

Reliable, Robust, Thousands of Plants all over the world

Effluent quality BOD : 10-30 mg/L, TSS : 20-50 mg/L

Nitrogen & Phosphorus removal requires additional treatment.



DM SG



Live event Vishwanath Srikantiah (Guest)'s desktop and Vishwanath Srikantiah (Guest)...

Wastewater reuse for drinking

FINAL IMPLEMENTATION

STP Treatment Plant

- Sand Filter
- Carbon Filter
- Chlorine

Sand Filter

Activated Carbon Filter

Ozonizer

RO System



ADVANCEMENT IN SOLID WASTE MANAGEMENT PRACTICES



Dr. Nivedita Kaul,
Associate Professor,

Exploiting bio-electrochemical systems to
facilitate producing reusable quality treated
water and resource recovery

Makarand M. Ghangrekar

Head, School of Environmental Science and Engineering

Head, P. K. Saha Center for Bioenergy and Renewables

Institute Chair Professor,

Professor in Charge, Centre for Re-Water Research



Field scale portable bioelectric toilet



◆ See a real life toilet in operation and how it works.

Manipal University Jaipur
School of Civil & Chemical Engineering
Department of Civil Engineering

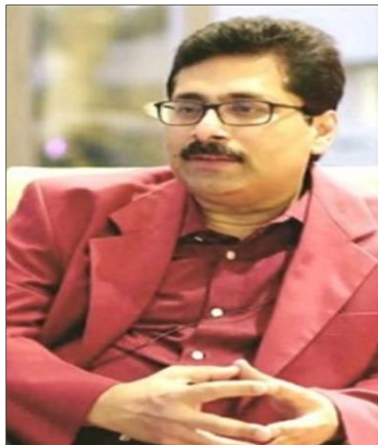
Department of Civil Engineering SCCE, had organized guest lecture for civil engineering students on *Waste Technology on Feecal Sludge and Septage Management (ODF++) - Experience Sharing* on 5th Nov. 2020. The key component of talks was water management, innovation in technology and implementation future opportunities in research and jobs. The lecture involves the skill development in technology and services sector ensuring best practice for public health and environment. Faculty members Mr Sagar Gupta, Assistant Professor civil engineering department, Dr Priyansha Mehra Associate Professor civil engineering department, Prof Anil Dutt Vyas Professor civil engineering department, Dr Meenakumari Sharma Associate Professor Head, civil engineering department planned and executed the event as per COVID protocol and advice issued by MUJ. Students took the advantage of the event through online participation, the list of participant and information shared with students are provided in the later part of the report.

1. Brochure of the programme



MANIPAL UNIVERSITY JAIPUR
Department of Civil Engineering

Organizing Guest Lecture
on
Feecal Sludge and Septage Management (ODF++) - Experience Sharing



Prof Srinivas Chary Vedala (Speaker)
Director, Administrative Staff College, India

Time – 10:00 – 11:30 AM

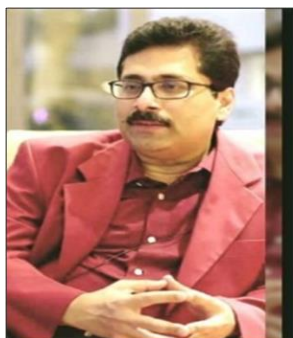
Date- 5th Nov. 2020

Venue - Microsoft Team (online)-

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjZjZDUyNjQ0tYTgzZi00ODRhLWE2YjktMDI5NGU5OGVhZWZmM2%40thread.v2/0?context=%7b%22id%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22oid%22%3a%22c1d5a06f-b9a1-42bf-8cfc-1ac406af790a%22%2c%22isBroadcastMeeting%22%3atrue%7d

Professor Srinivas Chary Vedala is the Director at the Administrative Staff College of India (ASCI), a premier institution for public policy and capacity development in India.

2. Speaker Profile



Professor Srinivas Chary Vedala is the Director at the Administrative Staff College of India (ASCI), a premier institution for public policy and capacity development in India. He leads the Centre for Urban Governance and Environment which is recognized as a 'Centre of Excellence' by the Government of India. He is an urban environmental planner and public health engineer with over two decades of experience in urban infrastructure and service delivery. He specializes in water and environmental sanitation (WASH) services and his portfolio spans policy, programme, capacity development and knowledge management projects for national, state and city governments. He serves on various Inter-Ministerial and Department level Committees on WASH in schools, urban environmental sanitation, SWM, urban development. He supported the Ministry of Housing and Urban Affairs, Government of India by undertaking an independent appraisal of city development plans, reforms implementation and smart city proposals. He sits in various committees of Swachh Bharat Mission - Urban at GOI. He is also a committee member of the GOI's reinventing the toilet programme and national FSSM Alliance. He co-instituted the National Urban Water Awards programme with the Government of India (2008) to establish norms and accelerate performance improvement in municipal water and sanitation in India and has been the recipient of the Water for Life UN-Water Best Practices Award (4th edition) for its successful advocacy. He has also been conferred the Ashoka Fellowship for his innovations in the WASH sector. His current area of interest includes the provision of safe sanitation through non-sewer sanitation and faecal sludge management in Indian cities. He mentors start-ups associated with the circular economy, waste management and water supply

3. Screenshot from FDP

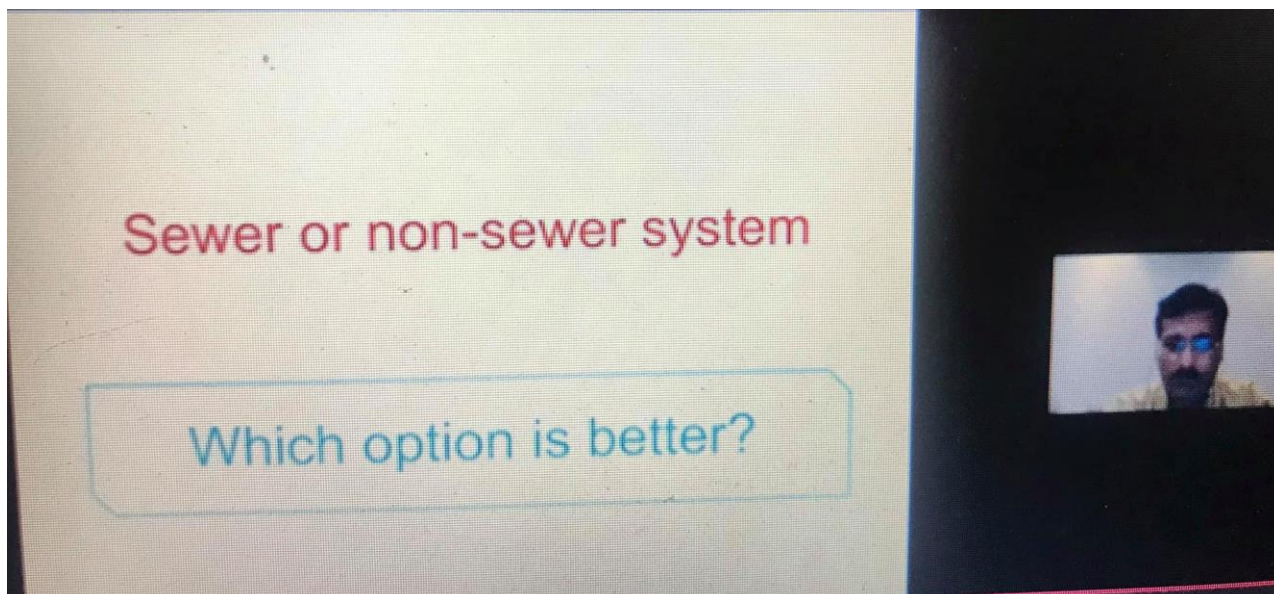


Fig no. 1 Screenshot from Guest lecture on topic *Feecal Sludge and Septage Management (ODF++) - Experience Sharing, ASCI*

4. List of Student

Sr.No.	Participant Id	Full Name
1	ayush.189102001@muj.manipal.edu	Ayush Jha
2	piyush.189102003@muj.manipal.edu	Piyush Morwal
3	rakshit.189102005@muj.manipal.edu	Rakshit Joshi
4	romir.189102006@muj.manipal.edu	Romir Vinayak More
5	umair.189102007@muj.manipal.edu	Umair Ahmad
6	shreyash.189102008@muj.manipal.edu	Shreyash Singh
7	prajjal.189102010@muj.manipal.edu	Prajjal Chowdhury
8	uddeshya.189102011@muj.manipal.edu	Uddeshya Pratap Singh Sengar



9	omprakash.189102013@muj.manipal.edu	C Omprakash
10	manvendra.189102014@muj.manipal.edu	Manvendra Singh Thakur
11	vasu.189102015@muj.manipal.edu	Vasu Bhargava
12	anamika.189102016@muj.manipal.edu	Anamika Anil
13	adarsh.189102019@muj.manipal.edu	Adarsh Kumar Singh
14	kavita.189102020@muj.manipal.edu	Kavita Choudhary
15	saurav.189102021@muj.manipal.edu	Saurav Singh Badal
16	shubh.189201029@muj.manipal.edu	Shubh Sarthak Singh
17	vikalp.189102022@muj.manipal.edu	Vikalp Kumar Singh
18	mrinal.189102023@muj.manipal.edu	Mrinal Shastri
19	yash.189402088@muj.manipal.edu	Yash Kumar Doharey
20	sachin.189102025@muj.manipal.edu	Sachin Kumar
21	mayank.189102026@muj.manipal.edu	Mayank Mishra
22	anannya.189102027@muj.manipal.edu	Anannya Shukla
23	udai.189102030@muj.manipal.edu	Udai Singh Kanwar
24	jaideep.189102032@muj.manipal.edu	Jaideep Singh Tulsi
25	archi.189102035@muj.manipal.edu	Archi Mudgal
26	rishabh.189102036@muj.manipal.edu	Rishabh Raj
27	dev.189102037@muj.manipal.edu	Dev Kamboj
28	madhav.189102038@muj.manipal.edu	Madhav Barodia
29	yashwardhan.189102043@muj.manipal.edu	Yashwardhan
30	benathung.189102044@muj.manipal.edu	Benathung Ezung
31	harsh.189102047@muj.manipal.edu	Harsh Srivastava
32	palak.189102048@muj.manipal.edu	Palak
33	aaditya.189102052@muj.manipal.edu	Lature Aaditya Sudhir
34	mohit.189102053@muj.manipal.edu	Mohit Chaudhary
35	sahil.189102054@muj.manipal.edu	Sahil Sharma
36	arjun.189102055@muj.manipal.edu	Shenvi Arjun Yogesh
37	abhishek.189102056@muj.manipal.edu	Abhishek Garg
38	vaibhav.189102057@muj.manipal.edu	Vaibhav Sharma
39	kartikey.189102058@muj.manipal.edu	Kartikey Singh Parihar
40	shubham.189102061@muj.manipal.edu	Shubham Chaturvedi
41	divyansh.189102062@muj.manipal.edu	Divyansh Totla
42	nikhil.189102063@muj.manipal.edu	Nikhil Srivastava
43	aditya.189102064@muj.manipal.edu	Aditya Kaplash
44	ankit.189102065@muj.manipal.edu	Ankit Kumar Amrit
45	dipankar.189102066@muj.manipal.edu	Dipankar Pegu
46	yash.189102067@muj.manipal.edu	Yash Goyal
47	bhawani.189102068@muj.manipal.edu	Bhawani Singh Deora
48	vishv.189102069@muj.manipal.edu	Vishv Narayan Meena
49	digvijay.189102072@muj.manipal.edu	Digvijay Singh Yadav
50	danish.189102073@muj.manipal.edu	Danish Mushtaq Rather
51	pranav.189102074@muj.manipal.edu	Pranav Kaushik
52	atharva.189102076@muj.manipal.edu	Atharva Londhe

Manipal University Jaipur
School of Civil & Chemical Engineering
Department of Civil Engineering

Department of Civil Engineering SCCE, had organized guest lecture for civil engineering students on *Waste Technology on Issues and Challenges in Solid Waste Management* on 4th Nov. 2020. The key component of talks was water management, innovation in technology and implementation future opportunities in research and jobs. The lecture involves the skill development in technology and services sector ensuring best practice for public health and environment. Faculty members Mr Sagar Gupta, Assistant Professor civil engineering department, Dr Priyansha Mehra Associate Professor civil engineering department, Prof Anil Dutt Vyas Professor civil engineering department, Dr Meenakumari Sharma Associate Professor Head, civil engineering department planned and executed the event as per COVID protocol and advice issued by MUJ. Students took the advantage of the event through online participation, the list of participant and information shared with students are provided in the later part of the report.

1. Brochure of the programme



MANIPAL UNIVERSITY JAIPUR
Department of Civil Engineering
Organizing Guest Lecture
on
Issues and Challenges in Solid Waste Management



Dr Vivek Agarwal (Speaker)
Director, CDC Jaipur

Time – 2:00 – 3:00 PM

Date- 4th Nov. 2020

Venue - Microsoft Team (online)-

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjZjZDUyNjQtYTgzZi00ODRhLWE2YjktMDI5NGU5OGVhZWMy%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22Oid%22%3a%22c1d5a06f-b9a1-42bf-8cfc-1ac406af790a%22%2c%22IsBroadcastMeeting%22%3atru%7d

Dr Vivek S Agrawal, Leading waste management professional, heading Centre for Development Communication Trust and Managing Director of Kanak Resources Management Limited (a subsidiary of IL&FS Environmental Infrastructure and Services Limited), has been elected as the Chairman of International Solid Waste Association Working Group on Collection and Transportation Technology.

2. Speaker Profile



Dr Vivek S Agrawal, Leading waste management professional, heading Centre for Development Communication Trust and Managing Director of Kanak Resources Management Limited (a subsidiary of IL&FS Environmental Infrastructure and Services Limited), has been elected as the Chairman of International Solid Waste Association Working Group on Collection and Transportation Technology.

3. Screenshot from FDP

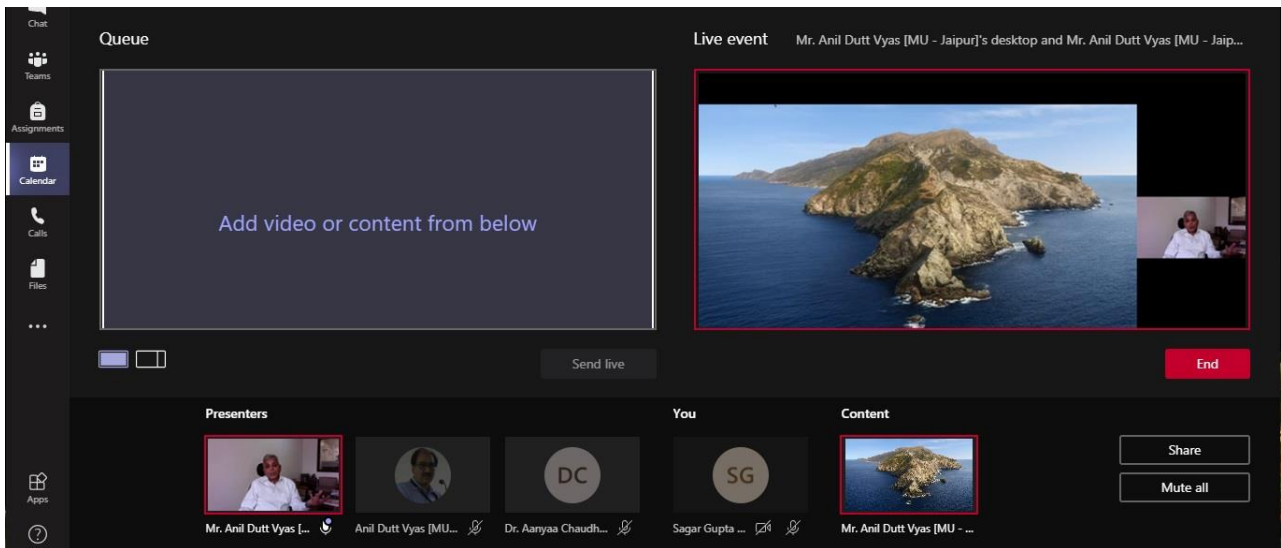


Fig no. 1 Screenshot from Guest lecture on topic Issues and Challenges in Solid Waste Management

4. List of Student

Sr.No.	Participant Id	Full Name
1	ayush.189102001@muj.manipal.edu	Ayush Jha
2	piyush.189102003@muj.manipal.edu	Piyush Morwal
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Manipal University Jaipur
School of Civil & Chemical Engineering
Department of Civil Engineering

Department of Civil Engineering SCCE, had organized guest lecture for civil engineering students on *Waste Technology on business models for faecal sludge management* on 4th Nov. 2020. The key component of talks was water management, innovation in technology and implementation future opportunities in research and jobs. The lecture involves the skill development in technology and services sector ensuring best practice for public health and environment. Faculty members Mr Sagar Gupta, Assistant Professor civil engineering department, Dr Priyansha Mehra Associate Professor civil engineering department, Prof Anil Dutt Vyas Professor civil engineering department, Dr Meenakumari Sharma Associate Professor Head, civil engineering department planned and executed the event as per COVID protocol and advice issued by MUJ. Students took the advantage of the event through online participation, the list of participant and information shared with students are provided in the later part of the report.

1. Brochure of the programme



MANIPAL UNIVERSITY JAIPUR
Department of Civil Engineering
Organizing Guest Lecture
on
Business Models for Faecal Sludge Management



Prof Dinesh Mehta (Speaker)
Professor Emeritus at CEPT University

Time – 3:00 PM– 4:30 PM

Date- 4th Nov. 2020

Venue - Microsoft Team (online)-

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjZjZDUyNjQtYTgzZi00ODRhLWE2YjktMDI5NGU5OGVhZWZWM2%40thread.v2/0?context=%7b%22id%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22oid%22%3a%22c1d5a06f-b9a1-42bf-8cfc-1ac406af790a%22%2c%22IsBroadcastMeeting%22%3a%22true%7d

Prof. Dinesh Mehta is a Professor Emeritus at CEPT University, Ahmedabad, where he teaches urban management, urban finance and development planning.

2. Speaker Profile



Prof. Dinesh Mehta is a Professor Emeritus at CEPT University, Ahmedabad, where he teaches urban management, urban finance and development planning. He was the Director of School of Planning, CEPT, Director of the National Institute of Urban Affairs, New Delhi, India, head of urban management programme at UN-HABITAT, Nairobi. Dr. Mehta has a Ph.D. from University of Pennsylvania, a Masters in City and Regional Planning from Harvard University, and a Bachelor of Technology in Civil Engineering, from IIT Madras, India.

3. Screenshot from FDP

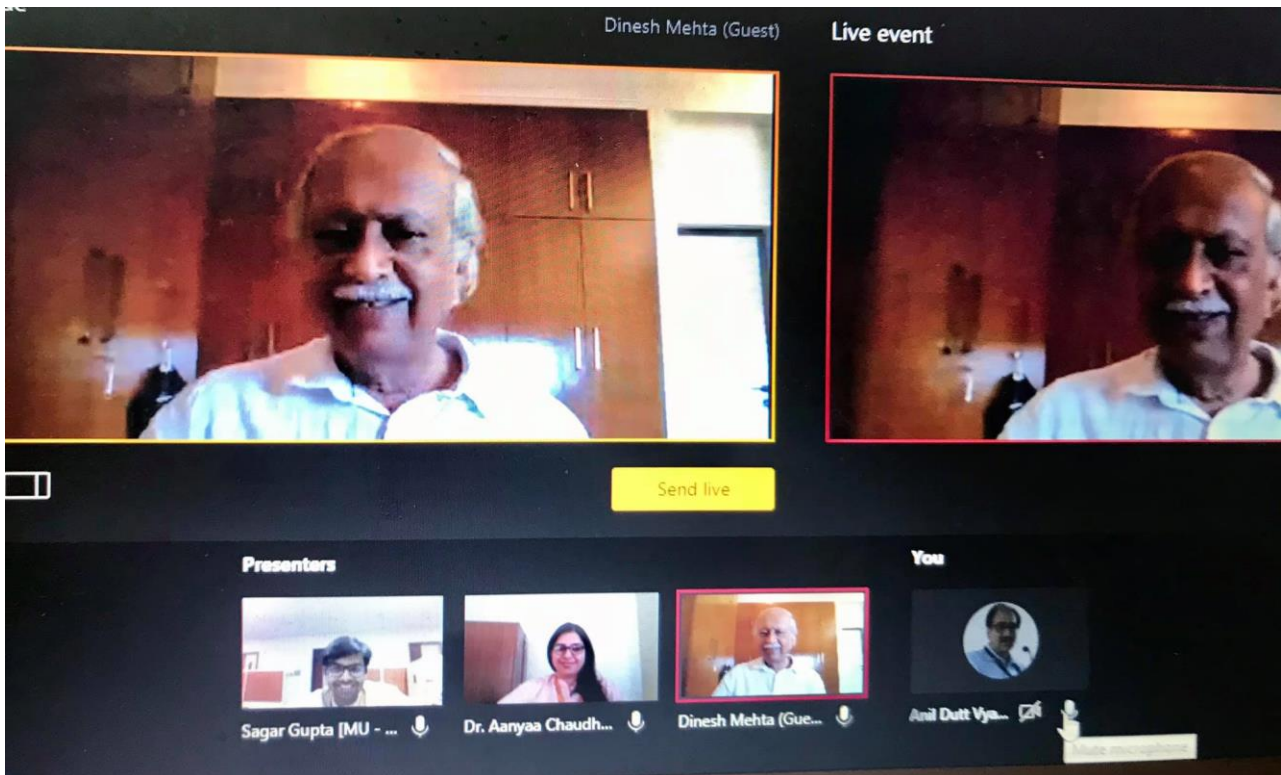


Fig no. 1 Screenshot from Guest lecture on topic business models for faecal sludge management, CEPT

4. List of Student

Sr.No.	Participant Id	Full Name
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Manipal University Jaipur
School of Civil & Chemical Engineering
Department of Civil Engineering

Department of Civil Engineering SCCE, had organized guest lecture for civil engineering students on *Waste Technology on Selection of Proper Waste Technology as part of Waste Management Infrastructure* on 2nd Nov. 2020. The key component of talks was water management, innovation in technology and implementation future opportunities in research and jobs. The lecture involves the skill development in technology and services sector ensuring best practice for public health and environment. Faculty members Mr Sagar Gupta, Assistant Professor civil engineering department, Dr Priyansha Mehra Associate Professor civil engineering department, Prof Anil Dutt Vyas Professor civil engineering department, Dr Meenakumari Sharma Associate Professor Head, civil engineering department planned and executed the event as per COVID protocol and advice issued by MUJ. Students took the advantage of the event through online participation, the list of participant and information shared with students are provided in the later part of the report.

1. Brochure of the programme



MANIPAL UNIVERSITY JAIPUR
Department of Civil Engineering

Organizing Guest Lecture

on

Waste Technology on Advances in Sewage Treatment: Issues and challenges with a focus on its reuse in irrigation



Dr Akhilender Bhushan Gupta
(Speaker)
Professor, MNIT Jaipur

Time – 10:00 – 11:00 AM


Date- 2nd Nov. 2020

Venue - Microsoft Team (online)-

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjZiZDUyNjQyTgzZi00ODRhLWE2YiktMDI5NGU5OGVhZWZmM2%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22Oid%22%3a%22c1d5a06f-b9a1-42bf-8cfc-1ac406af790a%22%2c%22IsBroadcastMeeting%22%3atrue%7d

Dr. A. B. Gupta is presently professor in the Department of civil engineering, MNIT Jaipur.

2. Speaker Profile



Dr. A. B. Gupta is presently professor in the Department of civil engineering, MNIT Jaipur. He holds B.E. (Civil) from MREC Jaipur; M. Tech. and PhD (Environmental Science and Engineering) degrees from CESE, IIT Bombay. He joined MNIT as a lecturer of Civil Engineering in 1984 and is serving as a Professor since 1996. His assignments include HOD (Civil), Dean R&D, Dean (Faculty Affairs) and Director of the institute. He has published/presented over 400 papers in various international/national journals/conferences, guided twelve PhDs and about 100 Masters' theses, taken up several research/consultation projects, and received several academic awards. He has been a non official member of RPCB and Environment and Health Board of Rajasthan State and important committees of DST, GOI.

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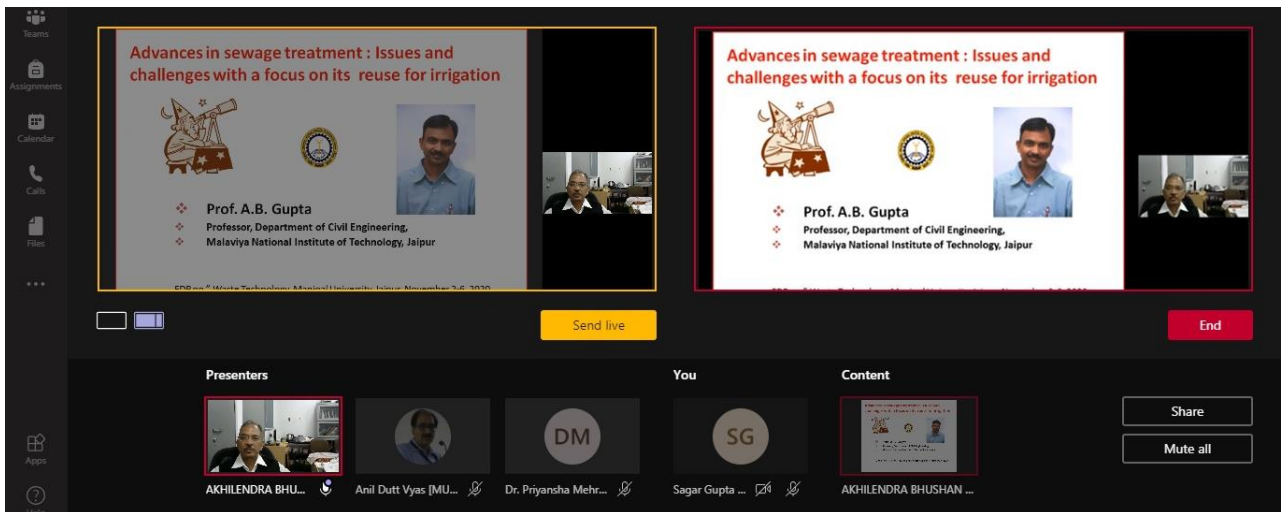


Fig no. 1 Screenshot from Guest lecture on topic of Waste Technology on Advances in Sewage Treatment: Issues and challenges with a focus on its reuse in irrigation ,MNIT Jaipur

4. List of Student

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MANIPAL UNIVERSITY
JAIPUR

**School of Civil and Chemical Engineering
Department of Civil Engineering**

BRIEF REPORT OF EXPERT LECTURE

Topic: Community based research interventions n environmental science and engineering: the key to a sustainable and healthy society

Date: 19.03.2021

Time: 16:30 – 18:00 PM

Speaker: Prof. A. B. Gupta, Professor, Civil Engineering, MNIT Jaipur

Convener: Mr. Sagar Gupta

Organizing Department: Civil Engineering, MUJ

Brochure:

MANIPAL UNIVERSITY
JAIPUR

Department of Civil Engineering
Manipal University Jaipur, Rajasthan

Organising
ONLINE EXPERT LECTURE
on
**Community based research interventions n environmental science and
engineering: the key to a sustainable and healthy society**
by

Prof. A. B. Gupta
MNIT, Jaipur

On 19.03.2021, Schedule time : 16:30 –18:00 PM
Convener: Mr. Sagar Gupta
Meeting Link on MS Team:
https://teams.microsoft.com/l/meetup-join/19%3ameeting_OGY5ODYyNGQtODY2Ny00ZDY4LTmN2QtOGZkOWQ0NGNjODA2%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bf9-90af-89ae3ab30761%22%2c%22Oid%22%3a%22248531efd-5779-4dd6-a2c6-e367159bc86c%22%2c%22IsBroadcastMeeting%22%3a%22true%7d&btype=a&role=a

Meeting Link on MS-Teams:

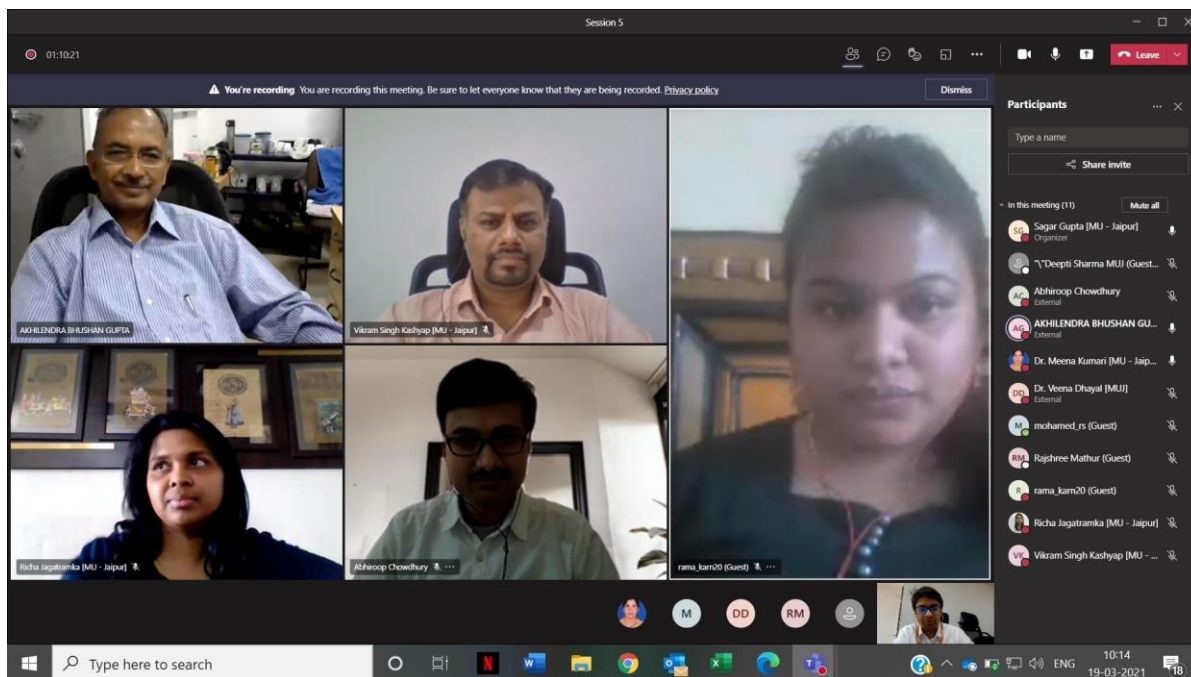
[https://teams.microsoft.com/l/meetup-](https://teams.microsoft.com/l/meetup-join/19%3ameeting_OGY5ODYyNGQtODY2Ny00ZDY4LTmN2QtOGZkOWQ0NGNjODA2%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bf9-90af-89ae3ab30761%22%2c%22Oid%22%3a%22248531efd-5779-4dd6-a2c6-e367159bc86c%22%2c%22IsBroadcastMeeting%22%3a%22true%7d&btype=a&role=a)

[join/19%3ameeting_OGY5ODYyNGQtODY2Ny00ZDY4LTmN2QtOGZkOWQ0NGNjODA2%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bf9-90af-89ae3ab30761%22%2c%22Oid%22%3a%22248531efd-5779-4dd6-a2c6-e367159bc86c%22%2c%22IsBroadcastMeeting%22%3a%22true%7d&btype=a&role=a](https://teams.microsoft.com/l/meetup-join/19%3ameeting_OGY5ODYyNGQtODY2Ny00ZDY4LTmN2QtOGZkOWQ0NGNjODA2%40thread.v2/0?context=%7b%22Tid%22%3a%22a1608842-8390-4bf9-90af-89ae3ab30761%22%2c%22Oid%22%3a%22248531efd-5779-4dd6-a2c6-e367159bc86c%22%2c%22IsBroadcastMeeting%22%3a%22true%7d&btype=a&role=a)

Description

The Department of Civil Engineering, Manipal University Jaipur proudly announces a guest Lectures on 19th March 2021 from 16:30 AM – 18:00 PM. Eminent professors of MNIT Jaipur delivered a lecture on Community based research interventions n environmental science and engineering: the key to a sustainable and healthy society.

Dr. A. B. Gupta is presently professor in the Department of civil engineering, MNIT Jaipur. He holds B.E. (Civil) from MREC Jaipur; M. Tech. and PhD (Environmental Science and Engineering) degrees from CESE, IIT Bombay. He joined MNIT as a lecturer of Civil Engineering in 1984 and is serving as a Professor since 1996. His assignments include HOD (Civil), Dean R&D, Dean (Faculty Affairs) and Director of the institute. He has published/presented over 400 papers in various international/national journals/conferences, guided twelve PhDs and about 100 Masters' theses, taken up several research/consultation projects, and received several academic awards. He has been a non official member of RPCB and Environment and Health Board of Rajasthan State and important committees of DST, GOI.



Picture: Prof. A.B.Gupta sharing his research work in his lecture and interaction with our students and faculty members

LIST OF PARTICIPANTS

Sl No	Name	Sl No	Name	Sl No	Name
1	Aaditya Sudhir Lature [MUJ]	33	Govind Gupta [MUJ]	65	Razeena Arshi [MUJ]
2	Aakanksha Singh [MUJ]	34	Harshamajety [MUJ]	66	Rinku [MUJ]
3	Aayush Mathur [MUJ]	35	Hemant Singh Jadoun [MUJ]	67	Rishi Menon [MUJ]
4	Abhishek Garg [MUJ]	36	Hemant Singh Rathore [MUJ]	68	Rohaana Sawant [MUJ]
5	Adarsh Kumar Singh [MUJ]	37	Jabbar Khan [MUJ]	69	Rohit Kachhawaha [MUJ]
6	Aditya Saini [MUJ]	38	Jaideep Singh Tulsi [MUJ]	70	Romir Vinayak More [MUJ]
7	Akash Sunny [MUJ]	39	Jimmy Sethna [Guest]	71	Sachin Kumar [MUJ]
8	Anamika Anil [MUJ]	40	Jyoti Yadav [MUJ]	72	Sahil [University of Rajasthan]
9	Anamika Anil [MUJ]	41	Kamal Kumar [MUJ]	73	Saidu Madhu Praneetha [MUJ]
10	Anannya Shukla [MUJ]	42	Kartikey Singh Parihar [MUJ]	74	Samal Dipak [Guest]
11	Ananya Dhar [MUJ]	43	Kuldeep Tiwari [Vivekananda Global University]	75	Sanchit Anand [MUJ]
12	Ar. Sunanda Kapoor [MUJ]	44	Madhav.Barodia [MUJ]	76	Sandeep Kumar [MUJ]
13	Archi Mudgal [MUJ]	45	Madhur Kalal [MUJ]	77	Saurav Singh Badal [MUJ]
14	Arjun Yogesh Shenvi [MUJ]	46	Mayank Misra [MUJ]	78	Shaik Hussain [MUJ]
15	Atharva Londhe [MUJ]	47	Mr Anil Dutt Vyas [MUJ]	79	Shubh Sarthak Singh [MUJ]
16	Ayush Jha [MUJ]	48	Mr Vikram Singh Kashyap [MUJ]	80	Shubham Chaturvedi [MUJ]
17	Babulal Choudhary [MUJ]	49	Mrinal Shastri [MUJ]	81	Shubham Rawat [MUJ]
18	Benathung Ezung [MUJ]	50	Mukesh Kumar Verma [MUJ]	82	Siddharth Bala [MUJ]
19	Bhawani Singh Deora [MUJ]	51	N. Vyjayanthi [Guest]	83	Siddharth Bala [MUJ]
20	Danish Mushtaq Rather [MUJ]	52	Nandlal Chaturvedi [MUJ]	84	Sourav Kumar Das [MUJ]
21	Dave Deepa [Guest]	53	Nikhil Herenj [MUJ]	85	Srikar A Chowdary [MUJ]
22	Digvijay Singh Yadav [MUJ]	54	Nikhil Srivastava [MUJ]	86	Suheil Ahamed Qureshi [MUJ]
23	Dipankar Pegu [MUJ]	55	Omprakash Chilakala [MUJ]	87	Suheil Ahamed Qureshi [MUJ]
24	Divyansh Totla [MUJ]	56	Pankaj Dargar [MUJ]	88	Udai Singh Kanwar [MUJ]
25	Dr Bhavna Tripathi [MUJ]	57	Prajjal Chowdhury [MUJ]	89	Uddeshya Pratap Singh [MUJ]
26	Dr Gaurav Sancheti [MUJ]	58	Prajjal Chowdhury [MUJ]	90	Vasu Bhargava [MUJ]
27	Dr Gaurav Sancheti [MUJ]	59	Pranab Pratik [MUJ]	91	Venice Palak [MUJ]
28	Dr Jagannath Korody [MUJ]	60	Mrs Prathibha A [Others]	92	Vikalp Kumar Singh [MUJ]
29	Dr Meena Kumari [MUJ]	61	Prof Anjana Vyas [Guest]	93	Vishnu Kumar Kumawat [MUJ]
30	Dr Priyansha Mehra [MUJ]	62	Raghuvesh Tiwary [MUJ]	94	Vishv Narayan Meena [MUJ]
31	Dr Tej Bahadur [MUJ]	63	Rakshit Joshi [MUJ]	95	Yash Totla [MUJ]
32	Firoz Alam Faroque [MUJ]	64	Ramakant Jounliya [MUJ]	96	Yashwardhan [MUJ]

BRIEF PROFILE OF RESOURCE PERSON



Prof A. B.Gupta

Dr. A. B. Gupta is presently professor in the Department of civil engineering, MNIT Jaipur. He holds B.E. (Civil) from MREC Jaipur; M. Tech. and PhD (Environmental Science and Engineering) degrees from CESE, IIT Bombay. He joined MNIT as a lecturer of Civil Engineering in 1984 and is serving as a Professor since 1996. His assignments include HOD (Civil), Dean R&D, Dean (Faculty Affairs) and Director of the institute. He has published/presented over 400 papers in various international/national journals/conferences,

A handwritten signature in black ink, appearing to read 'Meena Kumari'.

(Dr. Meena Kumari)
Head, Civil Engineering



MANIPAL UNIVERSITY
JAIPUR

FACULTY OF ENGINEERING

SCHOOL OF CIVIL AND CHEMICAL ENGINEERING

CIVIL ENGINEERING DEPARTMENT

**Sustainable Materials and Practices for Built Environment
(SMPBE – 2021)**

International Conference

November 25-26, 2021

International Conference on
**Sustainable Materials and
Practices for Built Environment
(SMPBE-2021)**

Organized by Department of Civil Engineering,
Manipal University Jaipur

November 25-26, 2021



SMPBE 2021

The international conference on Sustainable Materials and Practices for Built Environment (SMPBE) is dedicated to bring together researchers, engineers, academicians, and practitioners to share the scientific thoughts and findings. The conference will provide all participants an excellent opportunity to connect and discuss innovative and interesting ideas, and practical know-how on sustainable research encompassing materials for various applications in civil engineering.

Manipal University Jaipur

Manipal in education is a name to reckon with not just in India, but the world over. It is the fifth university established in 2011 by Manipal Global Education Services. Manipal University Jaipur is the first university in the state of Rajasthan accredited as A+ (3.28) grade by NAAC. The vision of the university is to be a "Global Leader in Higher Education and Human Development". Manipal University Jaipur offers a wide spectrum of career-oriented programs in different disciplines and maintains the Manipal University's legacy of providing quality education to its students.

Themes

- Bio-based materials
- Pavement materials
- Construction chemicals
- Recycled building materials
- Sustainable materials for low carbon buildings
- Valorization of waste materials
- Life cycle assessment of materials
- Computational techniques and applications
- Materials for building services and repair
- Materials processing and characterization

Key Dates

- Full length paper submission – October 05, 2021
- Submission of revised manuscript- October 31, 2021
- Camera ready paper submission – November 10, 2021
- Last date of registration – November 10, 2021
- Conference dates – November 25-26, 2021

Registration Fee Details

Category	Registration Fees
Student (National)	INR 3000
Other Participant (National)	INR 5000
Student (International)	USD 100
Other Participant (International)	USD 200
Organisational Registration (maximum 05 participants)	INR 15000

Proceeding Publication

All accepted and presented papers will be published in Elsevier's "Material Today: Proceedings" (ISSN: 2214-7853)



materialstoday:
PROCEEDINGS



<https://smpbe.co.in/>

Registration link - <https://bit.ly/3mt2Gbm>

Manuscript submission link - <https://bit.ly/2UJwcOw>

Convenors

Dr Priyansha Mehra: +91-9828492752
Mr Sourav Kumar Das: +91-8890951739
Email ID: smpbe2021@gmail.com



Conference Partner



Indian Concrete Institute

1. Introduction of the Event:

The international conference on Sustainable Materials and Practices for Built Environment (SMPBE) is dedicated to bringing together researchers, engineers, academicians, and practitioners to share their scientific thoughts and findings. The conference was scheduled from 25-26 November 2021 through an online mode of presentation. The conference provides all participants with an excellent opportunity to connect and discuss innovative and interesting ideas, and practical know-how on sustainable research encompassing materials for various applications in civil engineering.

2. Objective of the Event

The event was planned to share the scientific findings of researchers, students, academicians, and practitioners with the global community. The event was also aimed to create collaboration among the presenter and MUJ faculty members for their future prospects in terms of research programme, student exchange and MOUs. Also, last but not the least the event helped the participants to publish their research findings in Scopus indexed conference proceedings.

3. **Beneficiaries of the Event** The prime beneficiaries of this events are the participants who mainly belong from academics, research domains and practitioners. Participants throughout the globe enriched their knowledge in their area of interest by interacting with the keynote speakers and other participants who presented their article on the same domain of research. **The total number of participants were around 300.**

4. Details of the Guests

- a. Dr Prabir Sarker, Associate Professor, Curtin University, Australia
- b. Dr Neelima Satyam, Associate Professor, and Head Civil Engineering, IIT Indore
- c. Prof. Kevin Paine, Professor, University of Bath, UK
- d. Prof. Krishna R. Reddy, Professor, University of Illinois, Chicago
- e. Prof. Biswajit Bhattacharjee, Emeritus professor, IIT Delhi
- f. Dr. Iveta Novakova, Research Engineer, The Arctic University of Norway, Norway
- g. Dr. Laszlo Csetenyi, Research Engineer, University of Dundee, UK
- h. Prof. Munish Kumar Chandel, Associate Professor, IIT Bombay

5. Brief Description of the event

Prof. (Dr) Meena Kumari, Head dept of civil engineering gave the opening remarks. Prof. (Dr) Bhavna Tripathi, Director, School of Civil and Chemical Engineering gave the overview of the School of Civil and Chemical Engineering, MUJ. Prof. (Dr) Rajveer Singh Shekhawat, Dean faculty of Engineering addressed the participants about activities and achievements received by Manipal University Jaipur. Registrar Prof. (Dr) Nitu Bhatnagar addressed the participants about the life at Manipal University Jaipur. Chief guest for the conference was Prof. (Dr) Ashok Pandey, Editor-in-chief, Bioresource technology, Elsevier, and distinguished scientist of CSIR – Indian Institute

of Toxicology Research. He shared his knowledge on the re-utilization of natural resources and moving forward with sustainable material utilization to restore the damage already done to mother earth.

In total of 8 Keynote speech session were conducted whose details are mentioned below.

- Dr Prabir Sarker, Associate Professor, Curtin University, Australia, shared his recent findings on the effective Use of Nickel Slag as a Supplementary Cementitious Materials.
- Dr Neelima Satyam, Associate Professor, and head civil engineering, IIT Indore shared her research findings on the Application of Bio cementation in Liquefiable Sand.
- Prof. Kevin Paine, Professor, University of Bath, enhanced our knowledge on Autonomic self-healing of concrete and it advances in MICP and sensing capability by sharing his recent work.
- Prof. Krishna R. Reddy, Professor, University of Illinois, Chicago, highlighted the parameters related to resilient, social, economic sustainable solution through his speech on Sustainable and Resilient Remediation of Polluted Land.
- Prof. Biswajit Bhattacharjee, Emeritus professor, IIT Delhi, discussed about the philosophical approach on durability of concrete where he gave emphasis on conducive moisture effecting the durability of concrete.
- Dr. Iveta Novakova, Research Engineer, The Arctic University of Norway, shared her long and ongoing research work on the Contribution of Construction and Demolition Waste recovery to the sustainability of building industry.
- Dr. Laszlo Csetenyi, Research Engineer, University of Dundee, share with the participants a detailed material characterization of fly ash and discussed amount it effects on the environment both chemically and land use.
- Prof. Munish Kumar Chandel, Associate Professor, IIT Bombay, gave an insightful speech on Landfill Mining from waste to materials.

In each session, the keynote lectures were followed by paper presentations. Each presenter was given the time limit of fifteen minutes to present their paper.

Around 112 papers were accepted for presentation in the conference and publication in Elsevier Materials Today Proceedings. **Fifteen papers presented in the conference were presented by faculty members and students from different departments of Manipal University Jaipur.**

6. 3 to 5 photographs of the event or screenshots of the event (if online) with captions

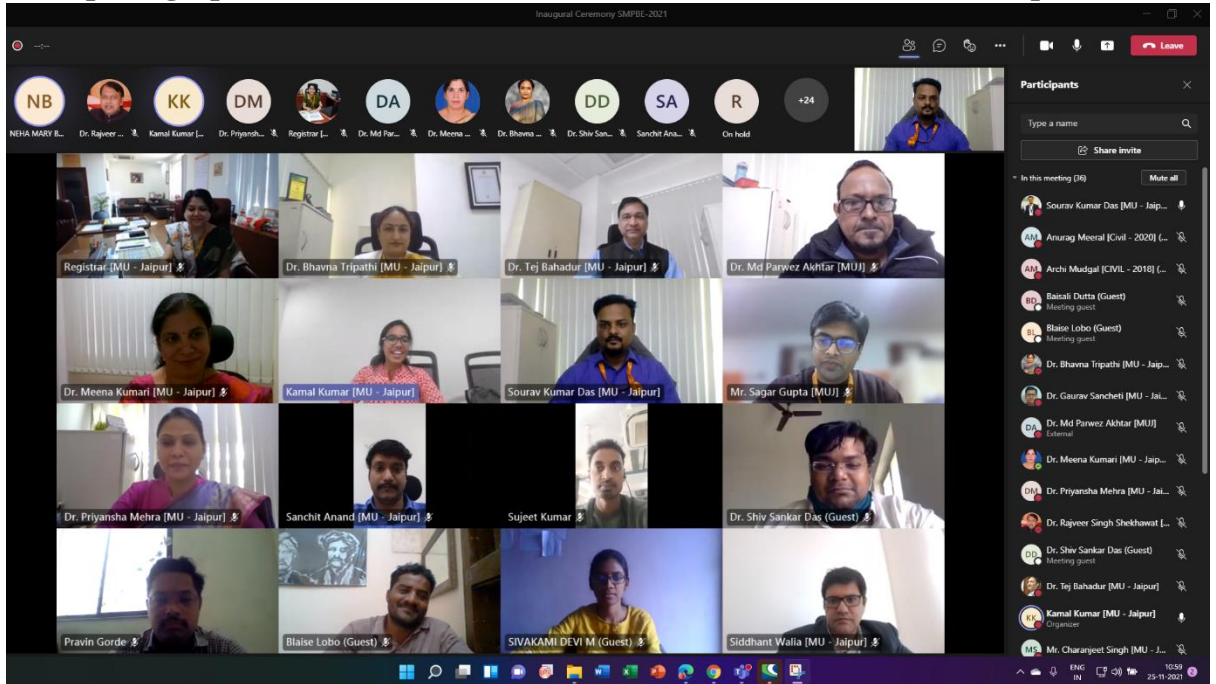


Figure 1: SMPBE 2021 Inaugural ceremony

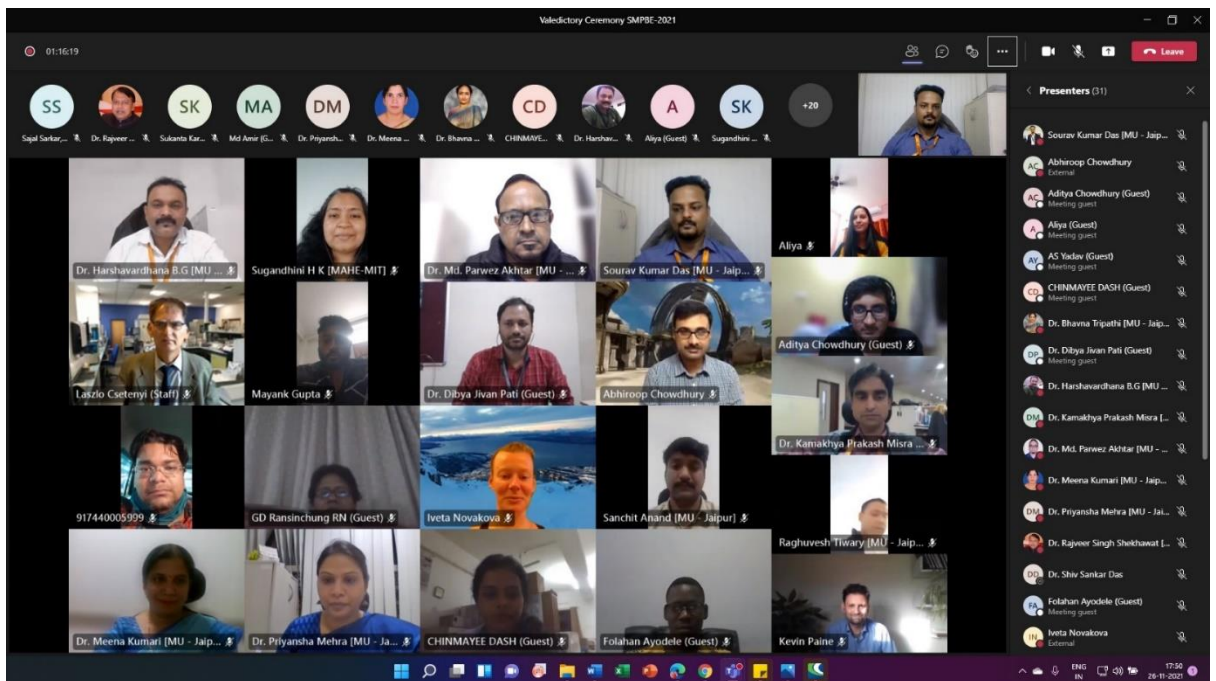


Figure 2: SMPBE 2021 Closing ceremony

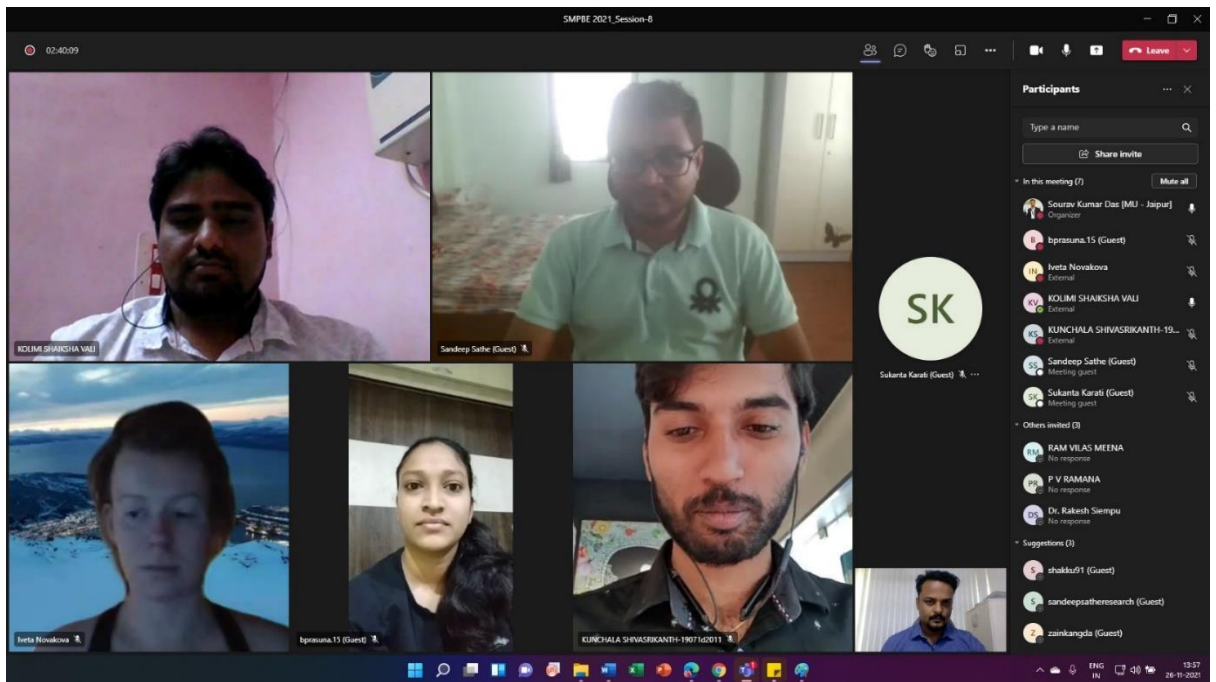


Figure 3: Paper presentation in the session of Materials Technology

Brochure

DEPARTMENT OF CHEMICAL ENGINEERING
MANIPAL UNIVERSITY JAIPUR
IN ASSOCIATION WITH
INDIAN CHEMICAL COUNCIL (ICC)

PRESENTS

WEBINAR ON

"REFINERY OF THE FUTURE"

CONVENER
DR. ABHISHEK SHARMA
PROFESSOR

CO-CONVENER
DR. MANISHA SHARMA
ASSISTANT PROFESSOR

S P E A K E R :
S P E A K E R :



**TUESDAY
JULY 20TH**

12:30 P.M. – 1:30 P.M

MR. ABHIJIT PAL
UOP, HONEYWELL INDIA

REGISTER ON
<https://forms.office.com/r/Gjj8aCYh0r>

Post-Webinar Report
 on
Refining of the Future
 organized by
Department of Chemical Engineering, Manipal University Jaipur
 in association with
Indian Chemical Council
(July 20, 2021)

A webinar entitled **Refining of the Future** was jointly organized by Department of Chemical Engineering, Manipal University Jaipur and Indian Chemical Council on Tuesday, July 20, 2021 (12:30 p.m. – 1:30 p.m.). **Mr Abhijit Pal**, Senior Manager (Petrochemicals) at Honeywell UOP was the eminent speaker on the occasion. Around 100 participants from within and outside MUJ registered for the live event.

Welcome speech was delivered by the convener, Prof. Abhishek Sharma, Manipal University Jaipur (MUJ). In his talk, Mr. Abhijit Pal highlighted the relevance of petroleum refining and the recent developments in the area. He emphasized on the concept of “Crude to Chemicals” which may significantly reduce the carbon footprint. Most of the industries have already started working in the area and are targeting zero carbon discharge. Since the availability of crude oil is predicted to decrease, renewable sources of energy to meet the rising demand of fuel and the potential of plastic recycling was also discussed. Additionally, in line with Industry 4.0., an integration and scope of Computer Science with Chemical Engineering was also deliberated.



**Lecture on Refining of the Future delivered by Mr. Abhijit Pal, Senior Manager
(Petrochemicals) at Honeywell UOP**

The lecture was followed by Q & A session, where the queries and other questions asked by the participants were addressed by the expert. Also, career opportunities in the area were also discussed.

The event ended with a vote of thanks delivered by Dr. Manisha Sharma, Manipal University Jaipur.

Overall, the event was a successful event and was informative especially for young engineers. Based on the recent trends and demands of chemical industry, this event would enable them to decide on the career pathway accordingly.



7. Brochure or creative of the event



MANIPAL UNIVERSITY
JAIPUR
(University under Section 2(f) of the UGC Act)



2021 INTERNATIONAL EXPERT LECTURE SERIES

Organiser : Department of Civil Engineering, MUJ
In association with ICI (Student Chapter)



**How is BIM, VDC, IDD and Digital
twins changing the way we design,
construct and operate buildings
and infrastructure?**

MR. JUGAL MAKWANA

Global Director - BIM/Digital Engineering

Board Member - Building Smart International

Royal HaskoningDHV
Laan 1914, 34, Amersfoort, 3818EX



Register Here!
<https://forms.office.com/r/tZVBKEDi2L>

**DECEMBER 3, 2021
2:30 PM ONWARDS**

Platform - MS TEAMS

Convenors
Dr. Bhavna Tripathi
Dr. Priyansha Mehra



**MANIPAL UNIVERSITY
JAIPUR**

MUJ/Q&C/021/F/1.01

Event Report Format



**MANIPAL UNIVERSITY
JAIPUR**

FACULTY OF ENGINEERING

SCHOOL OF CIVIL AND CHEMICAL ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

**HOW IS BIM, VDC, IDD AND DIGITAL TWINS CHANGING THE WAY
WE DESIGN, CONSTRUCT, AND OPERATE BUILDINGS AND
INFRASTRUCTURE?**

International Expert Lecture

03 December 2021



1. Introduction of the Event

Under the aegis of Decennial Year Celebration, the Department of Civil Engineering, SCCE, Manipal University Jaipur and MUJ Student Chapter of Indian Concrete Institute collectively organized an International Expert Lecture on “How is BIM, VDC, IDD and Digital Twins changing the way we design, construct, and operate buildings and infrastructure” on December 3, 2021.

2. Objective of the Event

The objective of the event to provide exposure to our students on the use of digital technologies to integrate work processes and connect stakeholders working on a construction project.

3. Beneficiaries of the Event

This program was planned for the students, academicians, and industry people. It was beneficial for those who wish to explore career prospects in construction projects.

4. Details of the Guests

Mr. Jugal Makwana is currently the Global Director overseeing the Digital Engineering unit at Royal Haskoning DHV, Netherlands. An industry leader in Building Information Modelling (BIM) technology and an avid supporter of innovation, Mr Jugal leads the development and implementation of Digital Engineering/BIM and Automation within the business of Royal Haskoning DHV.

Prior to joining Royal Haskoning DHV, Mr Jugal was the APAC Director of BIM with AECOM, and was also the Global Product Manager of Road, Rail and Transit with Bentley Systems. With over 20 years of experience in Infrastructure projects spread across Design Consultancy, Sales Management, product and project management, and Information management, Mr Jugal has developed a thorough understanding of strategic and tactical aspects of product and project lifecycle from concept to delivery.

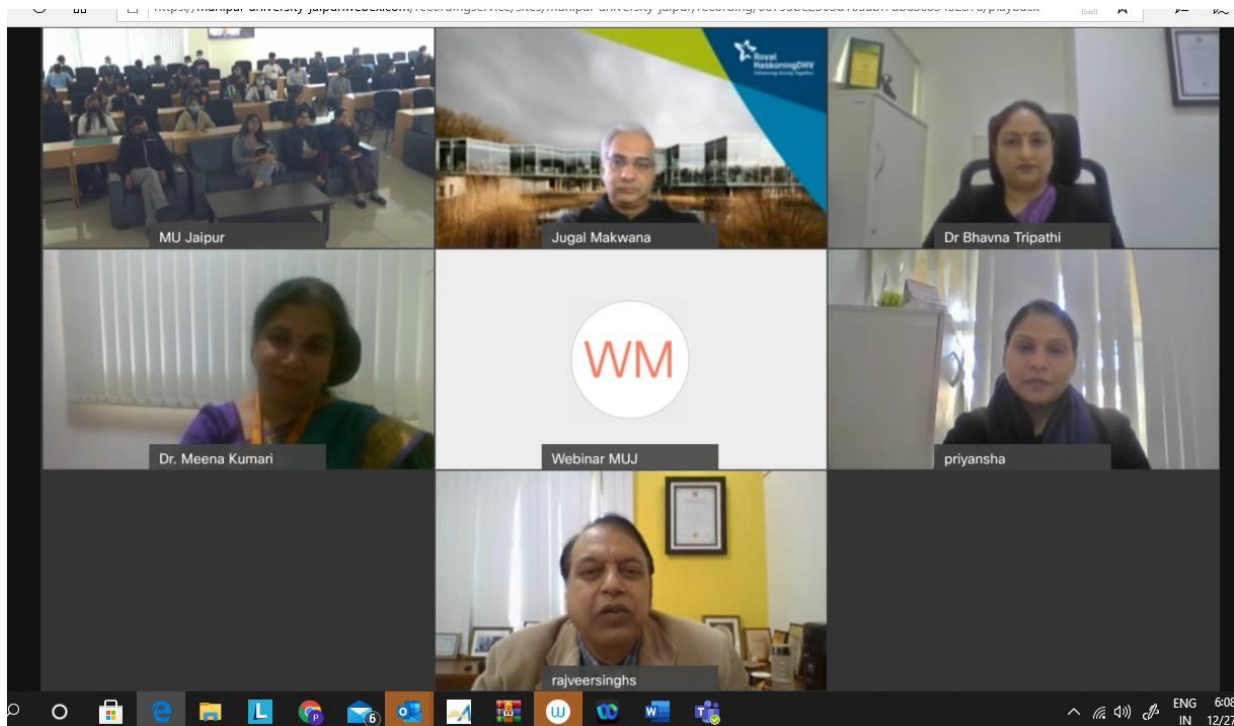
5. Brief Description of the event

At 02.30 pm the session was started. Dr. Priyansha Mehra, one of the Conveners of the Expert Lectures, welcomed all the participants of the event.

Later, Prof Bhavna Tripathi, Director, School of Civil and Chemical Engineering introducing the activities of MUJ, welcomed and introduced our resource person, Mr. Jugal Makwana. On completion of the talk that

continued for about two hours, there were 4-5 questions from participants and faculty members. They also appreciated the session to be an informative one. To the end, on behalf of Department of Civil Engineering, Dr Meena Kumari expressed sincere thanks to Prof Rajveer Singh, Dean, Faculty of Engineering, MUJ, for his continuous support in organizing such career guidance event. She thanked Prof Bhavna Tripathi, Director, School of Civil and Chemical Engineering for talking about MUJ. Anticipating for their continuous support and co-operation in future endeavors too, the session was ended.

6. **3 to 5 photographs of the event or screenshots of the event (if online) with captions**



https://manipal-university-jaipur.webex.com/recording/service/sites/manipal-university-jaipur/recording/60793be2363d103abf7dba3c0545237a/playback



Jugal Makwana

DT

P

DA



MU Jaipur

Benefits of BIM derived by Indian Firms



DOWNLOAD EBOOK

Projects in India implementing BIM


- Integration of Design and Construction Information
- Interoperability and IFC
- Clash Detection
- Lean Construction Planning and Parametric Modelling
- Cloud Collaboration and Document Management
- 4D/5D Scheduling, Reinforcement Detailing, Cloud Rendering, and Reporting and Analytics



Integration of Design and Construction Information	21%
Interoperability and IFC	20%
Clash Detection	19%
Lean Construction Planning and Parametric Modelling	18%
Cloud Collaboration and Document Management	13%
4D/5D Scheduling, Reinforcement Detailing, Cloud Rendering, and Reporting and Analytics	9%

Source: Geospatial World Analysis

Royal HaskoningDHV




Jugal Makwana

DT


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DA



MU Jaipur

Learning software applications



**BENTLEY
EDUCATION
PROGRAM**

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Royal HaskoningDHV



Pictures showing slides and discussion during the event



**MANIPAL UNIVERSITY
JAIPUR**

MUJ/Q&C/021/F/1.01

Event Report Format



**MANIPAL UNIVERSITY
JAIPUR**

FACULTY OF ENGINEERING

School of Civil and Chemical Engineering

Department of Civil Engineering

**Guest Lecture on Future Trends in Concrete Technology
National Level Event**

September 24, 2021



Content of Report (index) (Page number may not be required)

1. Introduction of the Event
2. Objective of the Event
3. Beneficiaries of the Event
4. Details of the Guests
5. Brief Description of the event
6. Photographs
7. Brochure or creative of the event
8. Schedule of the Event
9. Attendance of the Event
10. Link of MUJ website



1. Introduction of the Event

This event is the part of the Academia-Industry connect programme conducted by the department of Civil Engineering, MUJ. Under this programme we conduct lecture sessions by different industry experts who have a deep knowledge of civil engineering in practices. In this even our guest speaker was Mr Manish Prabhakar Mokal, Deputy General Manager, QAQC, AFCONS. He has a vast industry experience of over 20 years and presently due to his keen interest in concrete technology is presently pursuing PhD from IIT Dhanbad.

2. Objective of the Event

The main objective we tried to meet through this event is mentioned below:

- Giving our UG and PG students an exposure to interest with industry personals.
- Gain knowledge from the industry expert for their core course entitled Concrete Technology
- To have an internship opportunity during their 4th year study.

3. Beneficiaries of the Event

The main beneficiaries of this event are our main stakeholder that is students from both UG and PG. Also, faculty members can keep a good contact with the resource person for any possible help in the future.

4. Details of the Guests (

Name- Shri Manish Prabhakar Mokal

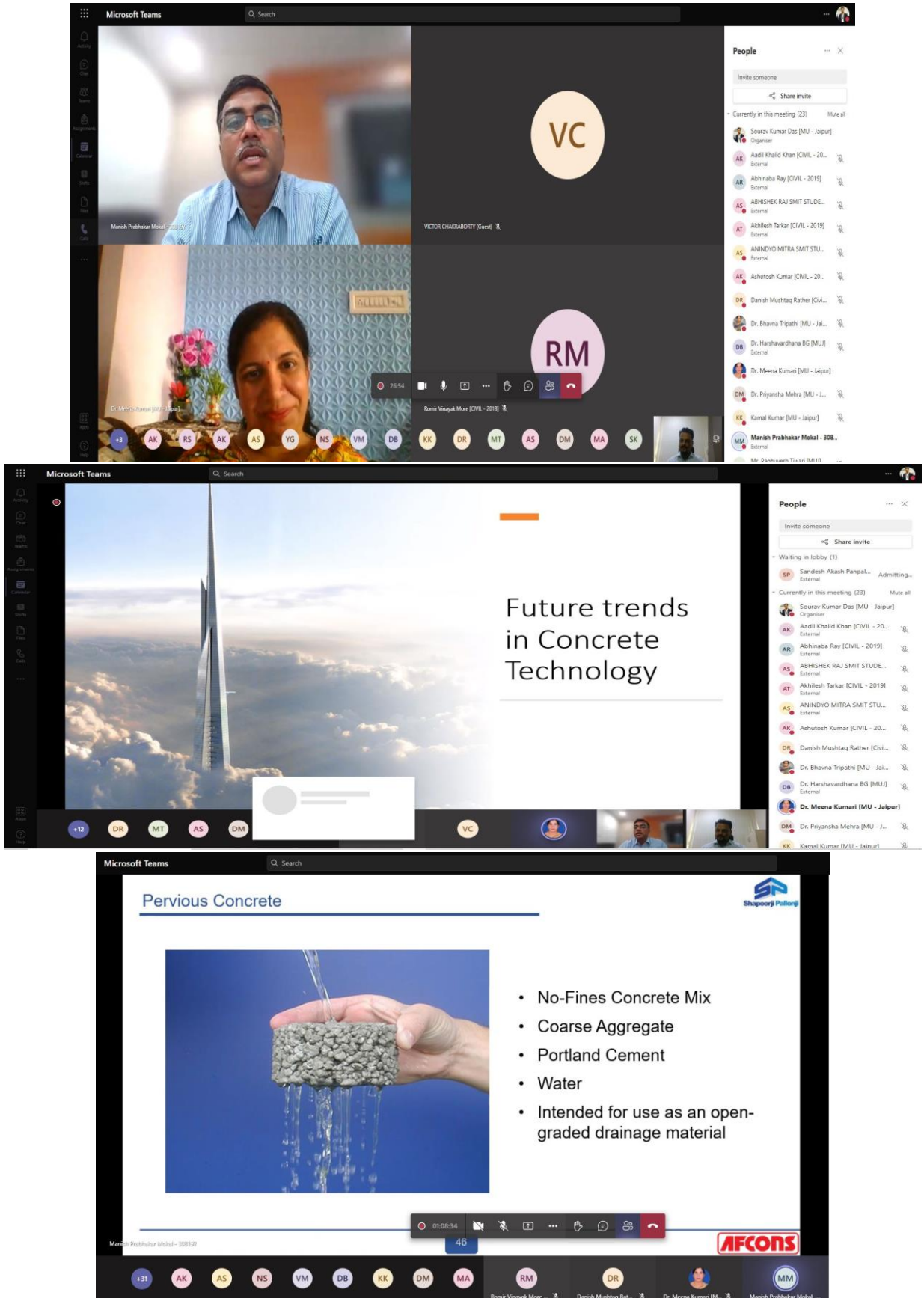
Designation- Deputy General Manager, QAQC, AFCONS

LinkedIn Profile - <https://www.linkedin.com/in/manishmokal/>

5. Brief Description of the event (about 200 words)

The event was conducted for our UG and PG students to give them an exposure on how their course concrete technology is taking place in the practices and its importance. Also, this lecture refreshed some of their course topic like “Pumpable concrete, High Strength and High-performance Concrete, Self-Compacting Concrete, Light Weight Concrete, Recycled Aggregate Concrete, Geopolymer, Fiber Reinforced Concrete, waste utilization in concrete”. At the end the resource person answered to the queries raised by the audience.

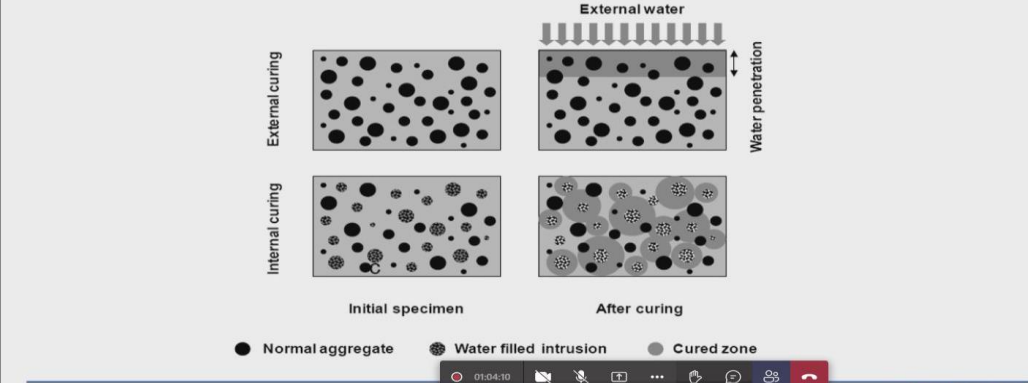
6. 3 to 5 photographs of the event or screenshots of the event (if online) with captions



Pictures showing slides and discussion during the event

Microsoft Teams

Self curing concrete



External curing

Initial specimen

After curing

Internal curing

Initial specimen

After curing

External water

Water penetration

● Normal aggregate ● Water filled intrusion ● Cured zone

01:04:10

41

AFCONS

+31 AK AS NS VM DB KK DM MA RM DR MM

Ronit Vyasak More... Danish Mushtaq Rat... Dr. Meena Kumari [M... Manish Prabhakar Mikal...

Microsoft Teams

Ultra High Strength Concrete



Shawnessy Light Rail Train Station in Calgary are just 20 mm thick yet span 6 m between columns.

Gateway Pavilion, Washington DC, 122m x 18m, 45 mm thick

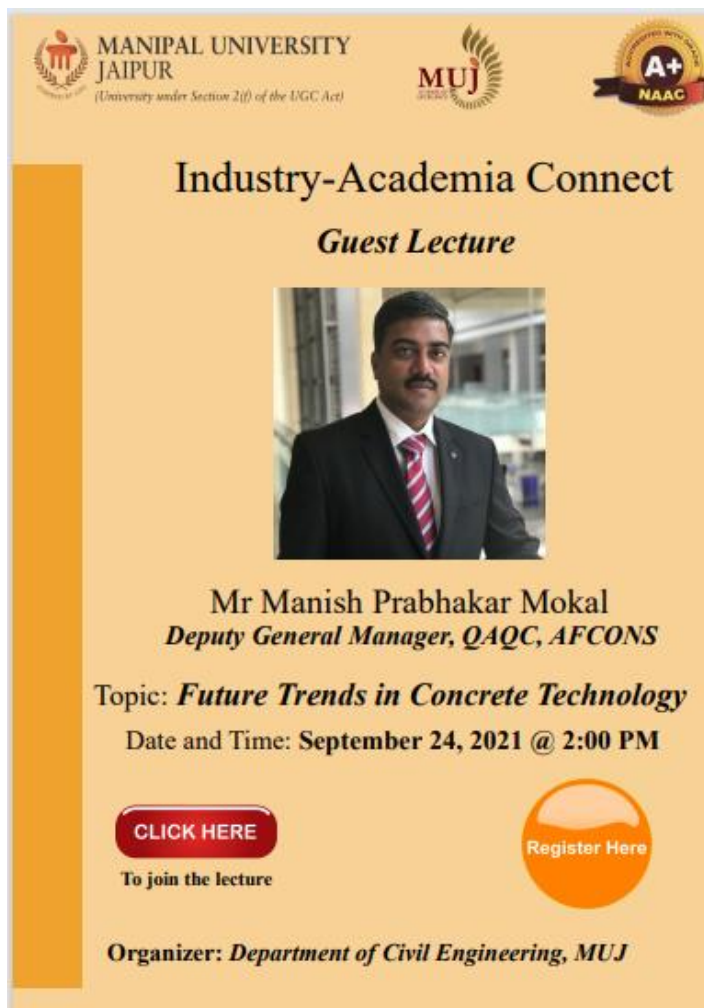
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17

AFCONS

Pictures showing slides and discussion during the event

7. Brochure




MANIPAL UNIVERSITY
JAIPUR
(University under Section 2(f) of the UGC Act)

MUJ

A+
NAAC

Industry-Academia Connect
Guest Lecture



Mr Manish Prabhakar Mokal
Deputy General Manager, QAQC, AFCONS

Topic: **Future Trends in Concrete Technology**
Date and Time: **September 24, 2021 @ 2:00 PM**

[CLICK HERE](#)
To join the lecture

[Register Here](#)

Organizer: *Department of Civil Engineering, MUJ*

8. **Schedule of the event**
Date: 24th September. 2021
Time: 2:00PM

9. **Attendance of the Event**
Total attendee- 71

Sr. No	Name of Institution	Place of Institution	Registration Number/Employee code	Name of Attendee	Name of Dept
1	MUJ	Jaipur	NA	Sourav Kumar Das [MU - Jaipur]	Civil
2	MUJ	Jaipur	NA	Dr. Meena Kumari [MU - Jaipur]	Civil
3	MUJ	Jaipur	NA	VICTOR CHAKRABORTY (Guest)	Civil
4	MUJ	Jaipur	NA	Manish Prabhakar Mokal - 308197	Civil



**MANIPAL UNIVERSITY
JAIPUR**

MUJ/Q&C/021/F/1.01

Event Report Format



**MANIPAL UNIVERSITY
JAIPUR**

FACULTY OF ENGINEERING

SCHOOL OF CIVIL AND CHEMICAL ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

GIS FOR ENVIRONMENT SCIENCE WITH WATER APPLICATION

International Expert Lecture

24 November 2021



1. Introduction of the Event

Under the aegis of Decennial Year Celebration, the Department of Civil Engineering, SCCE, Manipal University Jaipur and MUJ Student Chapter of Indian Concrete Institute collectively organized an International Expert Lecture on “GIS FOR ENVIRONMENT SCIENCE WITH WATER APPLICATION” on 24th November 2021.

2. Objective of the Event

The objective of the event to provide exposure to our students by inviting international expert putting special focus in view of GIS tool & technique-based engineering applications and related potentiality in career prospect specially for Civil Engineering domain.

3. Beneficiaries of the Event

This program was planned for the students, academicians, and industry people. It was beneficial for those who wish to explore career prospects in the field of GIS based engineering applications and related potentiality for Civil Engineering domain.

4. Details of the Guests

Dr Sultana Nasrin is presently working as a Lead GIS expert in Fulton Hogan Limited, a prominent Australian corporate leader in various services and sectors such as construction, asset management, traffic management, rails, roads and bridges, ports, airports, water energy and communications and many more.

Dr. Nasreen an experienced GIS expert obtained her PhD in Geospatial Sciences from reputed MIT university Australia with special focus on Spatial Decision Support System for Coastal flooding under a Changing Climate in Victoria, Australia after she obtained her masters in the same field from Monash University Australia.

Dr Nasrin is recognized as one of the spatial leaders in Australia and globally. She is a certified GIS professional with over 20 years of experience across a broad range of digital-focused roles encompassing CAD, BIM, GIS, photogrammetry, drone mapping, reality capture and digital engineering, including content solutions to building product manufacturers, architects, and engineers. Dr. Nasrin has extensive experience in the management of multi-disciplinary GIS and Asset project teams and the design and production of spatial analytics and mapping across a broad range of areas and themes. She has an excellent expertise in asset management plans, coastal flood management, policy development, research management, project management, design, mobile apps development, data framework,



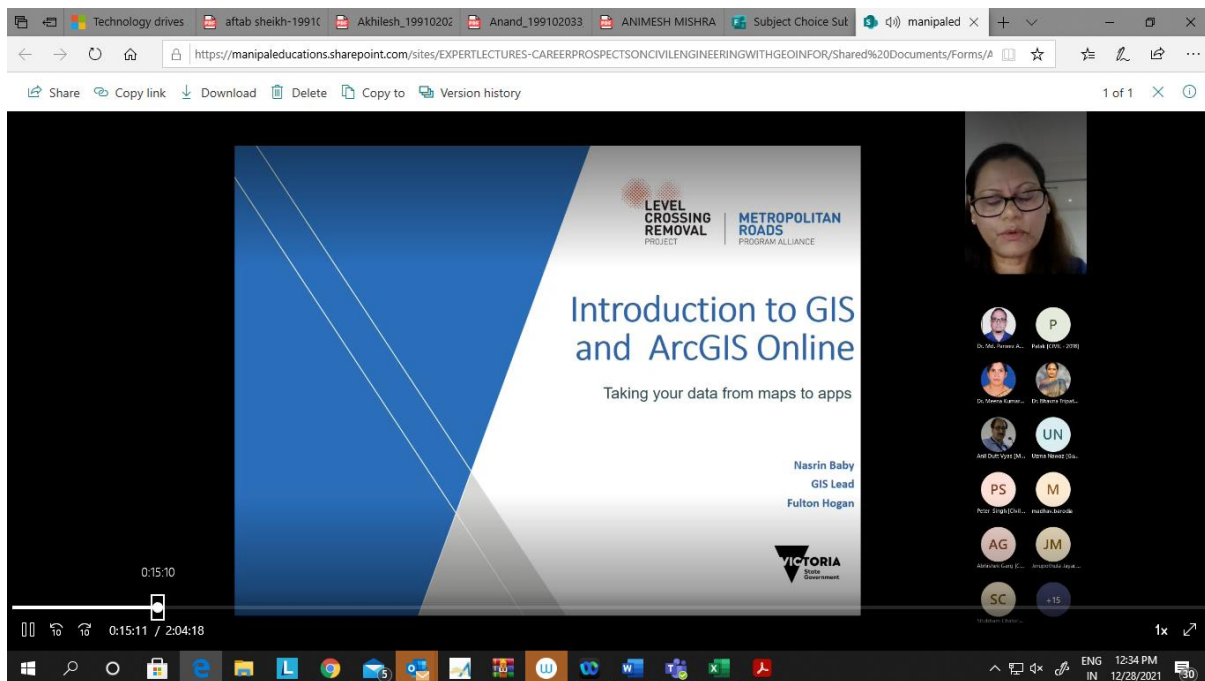
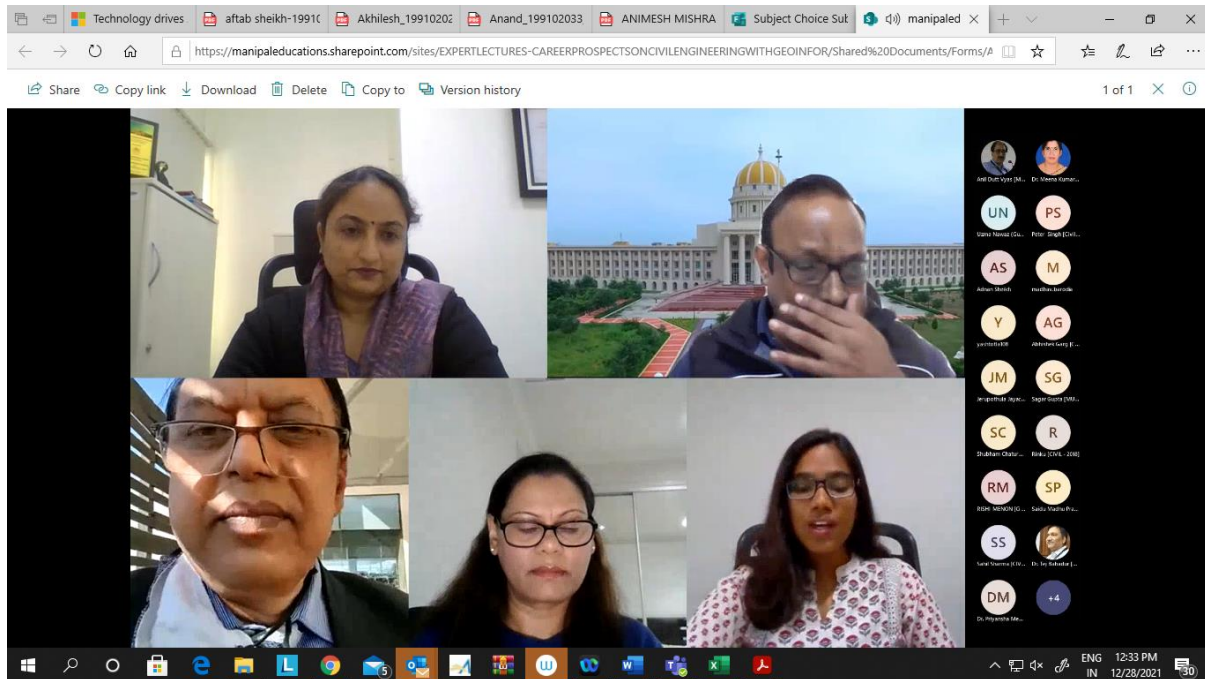
spatial analyses techniques, and technology including GIS applications development for major clients in Australia, Denmark, Bangladesh and India. She has published 22 scientific papers in international journals, worked on the national encyclopaedia for Bangladesh, Energy Power (an energy magazine in Bangladesh), written nearly 20 reports and 10 magazine articles. She has experience in marine systems, coastal climate change management, energy management and processes throughout Australia. She also co-authored a paper on the effects of megacities on the marine environment and a review of the delta plan. We are honoured to host her in this platform.

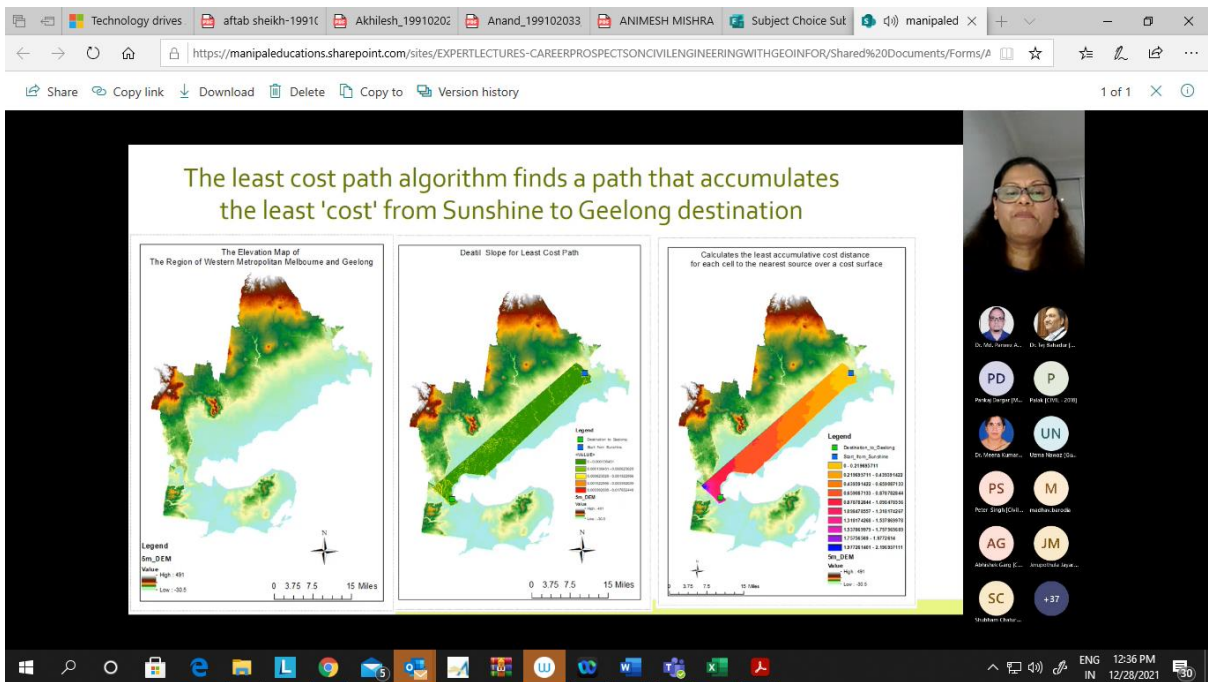
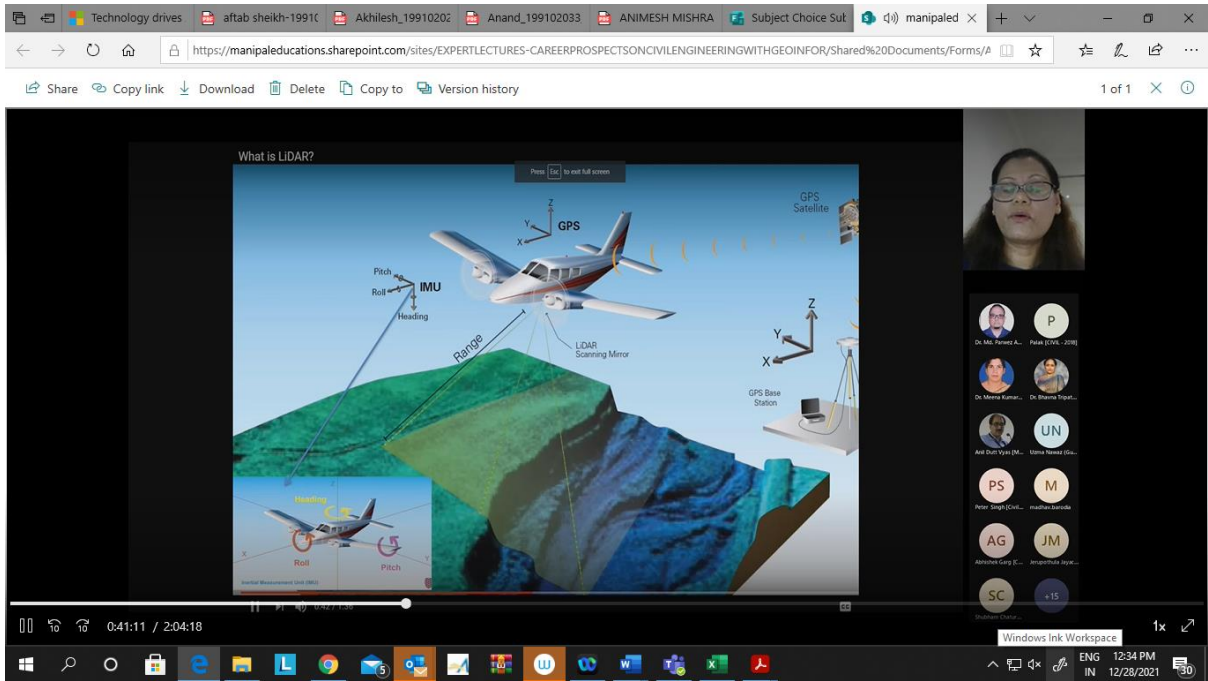
5. Brief Description of the event

At 02.00 pm the session was started. With initial words related to GIS, Dr Parwez M Akhtar, one of the Conveners of the Expert Lectures, welcomed all the participants of the event.

Later, Prof Bhavna Tripathi, Director, School of Civil and Chemical Engineering introducing the activities of MUJ, welcomed our resource person, Dr. Sultana Nasreen. Then, Dr Parwez introduced Dr Sultana Nasreen, Resource Person of the session to the online gathering before she was invited for the presentation. On completion of the talk that continued for about two hours, there were 4-5 questions from participants and faculty members. They also appreciated the session to be an informative one. To the end, on behalf of Department of Civil Engineering, Dr Parwez expressed sincere thanks to Prof Rajveer Singh, Dean, Faculty of Engineering, MUJ, for his continuous support in organizing such career guidance event. He thanked Prof Bhavna Tripathi, Director, School of Civil and Chemical Engineering for talking about MUJ. Dr. Parwez also thanked Prof Meena Kumari Sharma, Head, Department of Civil Engineering, MUJ for her great help and suggestions extended. Anticipating for their continuous support and co-operation in future endeavors too, the session was ended.

6. 3 to 5 photographs of the event or screenshots of the event (if online) with captions





Pictures showing slides and discussion during the event



7. Brochure or creative of the event

The brochure features the logos of Manipal University Jaipur, MUJ (10 Years of Excellence), and ICT. The title is 'Expert Lecture Series on GIS For Environmental Science With Water Application'. The organizer is the Department of Civil Engineering at Manipal University Jaipur. The event is on November 24, 2021, from 2 PM to 3 PM (IST). Conveners are Dr. Parwez M Akhtar and Dr. Priyansha Mehra. A QR code is provided for registration. The speaker is Dr. Sultana Nasrin Baby, PhD in Geospatial Sciences from RMIT University Victoria Australia, and GIS Lead at Fulton Hogan, Pvt Ltd, Victoria, Australia.

MANIPAL UNIVERSITY JAIPUR
University under section 200 of the UGC Act

MUJ
10 YEARS OF EXCELLENCE

ICT

Expert Lecture Series on GIS For Environmental Science With Water Application

*Organizer- Department Of Civil Engineering
Manipal University Jaipur*

November 24, 2021
Timings- 2 PM- 3 PM (IST)

Register here!

Conveners
Dr. Parwez M Akhtar
Dr. Priyansha Mehra

Dr. Sultana Nasrin Baby
PhD (Geospatial Sciences)
RMIT University Victoria Australia
GIS- Lead, Fulton Hogan, Pvt Ltd, Victoria, Australia



MANIPAL UNIVERSITY
JAIPUR



International Conference
on
**Sustainable Business:
Revisiting Management Practices
(ICSRMP-2021)**
November 18th-19th, 2021

<https://icsbrmp.com/>



Organized By:

**Faculty of Management & Commerce
Manipal University Jaipur
Dehmi-Kalan, Jaipur-Ajmer Expressway
Jaipur-303007, India www.jaipur.manipal.edu**

ABOUT

**International Conference on Sustainable Business:
Revisiting Management Practices (ICSRMP-2021):**

“Adaptability is about the powerful difference between adapting to cope and adopting to win” - Max McKeon

Our world is transforming at an exponential rate with science and technology digitizing the world at an exhilarating pace. This pace has been peppered with social and cultural transformation or backsets like the Coronavirus pandemic. This pandemic shook the collective conscious of the globe and had a bleak and obstructive effect at a micro and macro level.

Businesses and organizations today run-in congruence with these developments and in turn are affected by it. These transformations permeate into all strata of business models making it difficult to ensure profitability, building goodwill, expanding all while controlling and riding the waves of change. This uphill task can easily be converted into success by tweaking the organization to be sustainable.

Modelling the business on strategic planning, keen foresight and strong data network which takes into the consideration the requirements of both present and future is the most basic framework of a successful organization. Now to turn this “prosperous at present” company to “evergreen always” needs the element of sustainability, which is the ability of the organization, made of its workforce and headed by its leader, to be receptive towards change instead of holding tight to age old formulas.

The revolutionary changes happening around us need a paradigm shift to accommodate them and build a resilient working model. Businesses, recently, have been forced to adapt and sustain the onslaught of the pandemic, which cracked down heavily on the economy. While being compelled to cost cut, shift to the ‘online way of life’, reimagine entire business models and work within the set guidelines of social distancing etc., the need to adapt to the future is here, faster than we all imagined.

Our conference seeks to advance dialogue and discussion on the topic of – “Sustainable Business: Revisiting Management Practices” triggered by lessons and guide brought to the light by the pandemic and the rapid digital transformation.

The scope of conference extends to businesses, economic and management practices encompassing all verticals. The conference is set to be held in an online mode.

About Jaipur:

Jaipur is the capital of the Indian state of Rajasthan in Northern India. It was founded on 18 November 1726 by Maharaja Jai Singh II, the ruler of Amber after whom the city is named. Jaipur is also known as the Pink City of India. The city is located 260 km (162 miles) from the Indian capital New Delhi. Jaipur forms a part of the west Golden Triangle tourist circuit along with Agra (240 km, 149 miles). Jaipur is a popular tourist destination in India and serves as a gateway to other tourist destinations in Rajasthan. The magnificent forts, beautiful havelis and colorful bazaars make the city, a popular tourist destination among tourists. Hawa Mahal, Jantar-Mantar, Amber Fort, Jaigarh Fort, Nahargarh Fort, Masala Chowk, Govind Dev Ji temple etc. are popular tourist attractions in Jaipur.

About Manipal University Jaipur:

Manipal in education is a name to reckon with not just in India, but the world over. The seeds of its magnificent growth were sown back in 1953 by Padam Shree Late Dr. T. M. A. Pai with the setting up of the flagship Kasturba Medical College. Today, Manipal has emerged as a leading Higher Education provider in India under the leadership of the Padam Bhusan Dr. R. D. Pai. Manipal Global Education Services has taken education far and wide without compromising on the quality to make strong headway to nurture an ecosystem of teaching and research and established its campuses in Bangalore, Mangalore, Dubai, Malaysia, Nepal, Sikkim, Antigua in the Caribbean Island. Manipal University Jaipur is a NAAC A+ University, established in the year 2011, is a multi-disciplinary private university in Rajasthan. The multi-disciplinary university offers career-oriented courses at all levels, i.e., UG, PG & doctoral and across diverse streams, including Engineering, Architecture, Planning, Fashion Design, Interior Design, Fine Arts, Hospitality, Humanities, Journalism and Mass Communication, Basic Sciences, Law, Commerce, Computer Applications, Management, etc.

University campus is home to the best-in-class infrastructure including state of art research facilities and modern libraries. The University has the honour to own several awards including National Education Excellence ASSOCHAM award 2015 under the category of Best University Campus, outstanding contribution to Digital India Award, 5-star rating by GRIHA (Green Rating for Integrated Habitat Assessment) making us the ‘First University in the country to receive. In line with Manipal University’s legacy of providing quality education to its students, the campus involves the latest in technology to impart education and research facilities.

About Faculty of Management & Commerce:

The programs offered by the three schools under the faculty, specializing in three different levels and aspects of Business. TAPMI School of Business (TSB) offers Master of Business Administration (MBA) program. School of Business and Commerce (SBC) offers Bachelor of Business Administration (BBA), Bachelor of Commerce (B. Com) and Bachelor of Commerce-Honors (B. Com-Honors) programs. School of Hotel Management (SHM) offers a Bachelor of Hotel Management (BHM) program. PhD is offered both at TSB and SBC.

Faculty of Management and Commerce (FoM&C) blends best in management education through academic rigor and industry exposure to create corporate ready managers. FoM&C creates future corporate leaders with excellent conceptual, analytical, technical, human, and decision-making skills. FoM&C has a unique blend of experience at industry and academics both.

Call for Papers:

The organizers invite original and unpublished research articles from academia, industry experts and students/research scholars to present their work orally in the broad areas of following topics. Kindly submit the MS word file of paper. Please ensure that the similarity of the paper must be less than 10%. After receiving the acceptance of paper, you may deposit the registration charges. There will be a review of papers by the experts and selection of the paper is based on the recommendation of the expert committee.

Publication Opportunity:

SDMIMD Journal of Management

Online ISSN : 2320-7906; Print ISSN : 0976-0652

Registration Fee:

For Presentation of Paper only		
Registration Fee	Student / Research Scholar	Faculty / Industry Person
Indian Delegate	INR 500	INR 1000
Foreign Delegate	USD 10	USD 25

Payment Link

<https://www.payumoney.com/customer/users/paymentOptions/#!/1011F8DA7C0FCB5EC870FB52B99DD08/ICSBRMP/216251>

Topics include, but are not limited to:

Track 1: Finance & Economics

Green Financing
Dynamics of Value Creation and Sustainability
E-Commerce in Post-COVID era
FinTech
Financial Inclusion
Merger & Acquisition

Track 2: Marketing

Green Marketing
Product and Service Development Issues in Strategic Alliance
Social Media Importance & Applications
Digital Marketing
Consumer Behavior
Customer Relationship Management

Track 3: HR

Reinventing the Future of Work and Business
Employee Retention/Motivation during Crisis
Engaging Gig Talent in the Post-Covid Scenario
Performance Management
Strategic Human Resource Management

Track 4: Strategy

The Emerging Post-COVID Business Landscape
Re-engineering Post-Pandemic Business Models
Transforming Research in the Changing Times
Business Innovations and Change
Strategies for Managing Organizational Crisis

Important Dates:

Last date for abstract submission: **October 15, 2021**

Notification for acceptance of abstract: **October 20, 2021**

Last date for full-length paper submission: **October 30, 2021**

Registration Deadline: **On or before October 30, 2021**

Registration Form:

<https://forms.gle/43toNw9hdWYNQRbp8>

Paper Submission Form:

<https://forms.gle/AspWH26f1YFst3Ws9>

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Conference Advisory Committee:

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Chairperson, MUJ

Patron

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President, MUJ

Co-Patron

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Pro-President, MUJ

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Dean, FoM&C, MUJ

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Associate Professor
Dept. of Business Administration
MUJ

Co-Convener

Ms Sonali Sharma
Assistant Professor
Dept. of Business Administration
MUJ

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Dr Rachna Kumar, Dean, California School of Management & Leadership, USA

Prof (Dr) Leow Chee Sang, Kuala Lumpur, Malaysia

Prof (Dr) Ernst Andreas Hartmann, Institute for Innovation & Technology, Berlin, Germany

Prof Ajay Kumar, Director, Academics, MUJ

Dr Pushpender Kumar, Associate Professor, Kirori Mal College, New Delhi

Dr Irala Lokanandha Reddy, Associate Professor, University of Hyderabad

Dr P. R. Sahoo, Associate Professor, KIIT University

Commodore (Dr) Jawahar M Jangir, Director, School of Business & Commerce, MUJ

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FACULTY OF MANAGEMENT

SCHOOL OF BUSINESS AND COMMERCE

DEPARTMENT OF COMMERCE

**International Conference on Sustainable Business:
Revisiting Management Practices (ICSBRMP-2021)**

International Conference

Date of Event (18 – 21 November 2021)



1. Introduction of the Event

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Our world is transforming at an exponential rate with science and technology digitizing the world at an exhilarating pace. This pace has been peppered with social and cultural transformation or backsets like the Coronavirus pandemic. This pandemic shook the collective conscious of the globe and had a bleak and obstructive effect at a micro and macro level.

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2. Objective of the Event (bullet points or about 50 words)

Our conference seeks to advance dialogue and discussion on the topic of – “Sustainable Business: Revisiting Management Practices” triggered by lessons and guide brought to the light by the pandemic and the rapid digital transformation. The scope of conference extends to businesses, economic and management practices encompassing all verticals. The conference is set to be held in an online mode.

3. Beneficiaries of the Event (Student/Faculty/Community etc) (25 words)

The international conference will be beneficial for the Academicians, Research Scholars, Industry and Students of all the domains of Management and Commerce.

4. Details of the Guests (Chief Guests, speakers etc Designation, organization, contact details if any please give them in sr no)



- a. Guest of Honour Inaugural Function- Prof Neharika Vohra, Vice, Chancellor, Delhi Skill & Entrepreneurship University & Professor IIM, Ahmedabad.
- b. Session Chair: Dr Irala Lokanandha Reddy, Associate Professor, Department of Management, University of Hyderabad.
- c. Session Chair: Dr Vidhisha D Vyas, Professor & Dean, IILM University
- d. Keynote Address by Prof Rachna Kumar, Dean, California School of Management & Leadership, Alliant International University, USA
- e. Session Chair: Dr Pushpender Kumar, Associate Professor, Kirori Mal College, University of Delhi
- f. Session Chair: Dr P. R. Sahoo, Associate Professor, Marketing Chair, KIIT University
- g. Keynote Address by Prof (Dr) Leow Chee Seng, Smart College University, Malaysia
- h. Session Chair: Prof Saneem Fatima, Dean, School of Commerce & Business Management, Maulana Azad National Urdu University
- i. Session Chair: Dr Ranjana Mary Varghese, Deputy Director, Xavier Leadership Centre, Xavier Institute of Management
- j. Session Chair: Dr R. K. Tailor, Associate Professor, Department of Business Administration, Manipal University Jaipur
- k. Session Chair: Dr Ambrish Singh, Assistant Professor, Rajkiya Engineering College, Azamgarh
- l. Chief Guest, Valedictory Function Prof Anand Kumar Jaiswal, Chair - Marketing Area, IIM, Ahmedabad

5. Brief Description of the event (about 200 words)

On 18.11.2021, the inaugural ceremony of two day online International Conference on Sustainable Business: Revisiting Management Practices (ICSBRMP-2021) was conducted at School of Business and Commerce, Manipal University Jaipur. The Chief Guest of the event was Prof Neharika Vohra, Vice Chancellor, Delhi Skill & Entrepreneurship University & Professor IIM, Ahmedabad.

On this occasion, Prof. (Dr.) G. K. Prabhu (President, MUJ) conveyed his blessings and well wishes to all. Prof. (Dr.) Sudhendar Hanumantha Rao (Dean, Faculty of Management and Commerce) expressed his views on conducting the Conference. Dr. Nitu Bhatnagar (Registrar, Manipal University Jaipur) and Cmde (Dr) Jawahar M Jangir (Provost & Director, School of Business and Commerce, Manipal University Jaipur) shared their views on the significance of conducting the Conference. Welcome Address was given by Convener Dr Suhasini Verma and Vote of Thanks was delivered by Co-Convener Ms Sonali Sharma in the inaugural function of the conference.

There were four tracks in the conference viz. Finance & Economics, Marketing, HR and Strategy & Entrepreneurship divided in two days.

In the technical session on the broad theme of Finance, Marketing, HR and Strategy & Entrepreneurship there more than 90 papers in all.

On 18th November 2021 Technical Session 1- Finance in the first half was chaired by Dr Irala Lokanandha Reddy, Associate Professor, Department of Management, University of Hyderabad and second half was chaired by Dr Vidhisha D Vyas, Professor & Dean, IILM University.

Technical Session 2- Marketing started with the keynote speech of Prof Rachna Kumar, Dean, California School of Management & Leadership, Alliant International University, USA and first half was chaired by Dr Pushpender Kumar, Associate Professor, Kirori Mal College, University of Delhi and second half was chaired by Dr P. R. Sahoo, Associate Professor, Marketing Chair, KIIT University.

On 19th November 2021 Technical Session 3- HR started with the keynote speech of Prof (Dr) Leow Chee Seng, Smart College University, Malaysia and first half was chaired by Prof Saneem Fatima, Dean, School of Commerce & Business Management, Maulana Azad National Urdu University and second half was chaired by Dr Ranjana Mary Varghese, Deputy Director, Xavier Leadership Centre, Xavier Institute of Management.

Technical Session 4- Strategy & Entrepreneurship in the first half was chaired by Dr R. K. Tailor, Associate Professor, Department of Business Administration, Manipal University Jaipur and second half was chaired by Dr Ambrish Singh, Assistant Professor, Rajkiya Engineering College, Azamgarh

In the valedictory function Address was delivered by Provost & Director, SBC, MUJ – Cmde (Dr) Jawahar M Jangir and Address by Chief Guest, Prof Anand Kumar Jaiswal, Chair - Marketing Area, IIM, Ahmedabad was given. Vote of thanks was expressed by Ms. Sonali Sharma.

6. 3 to 5 photographs of the event or screenshots of the event (if online) with captions



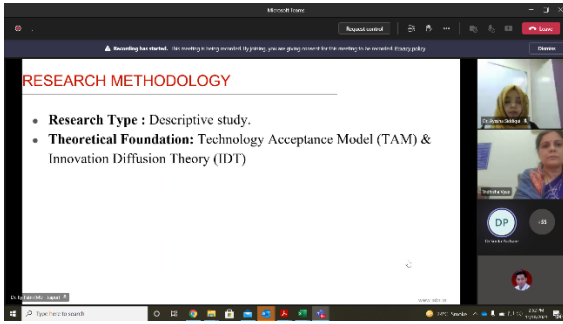
INAUGURAL FUNCTION OF THE CONFERENCE



INAUGURAL SPEECH BY THE GUEST OF HONOUR



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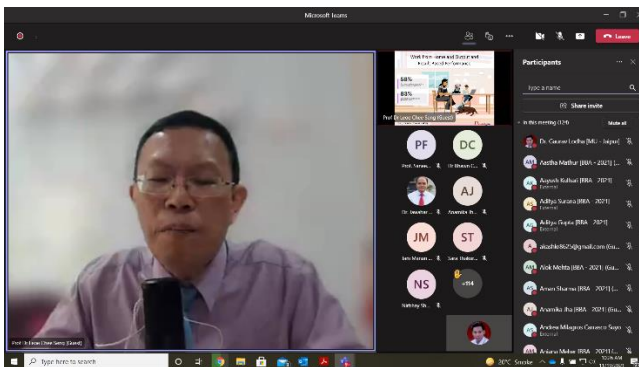
KEY NOTE SPEECH TRACK 1



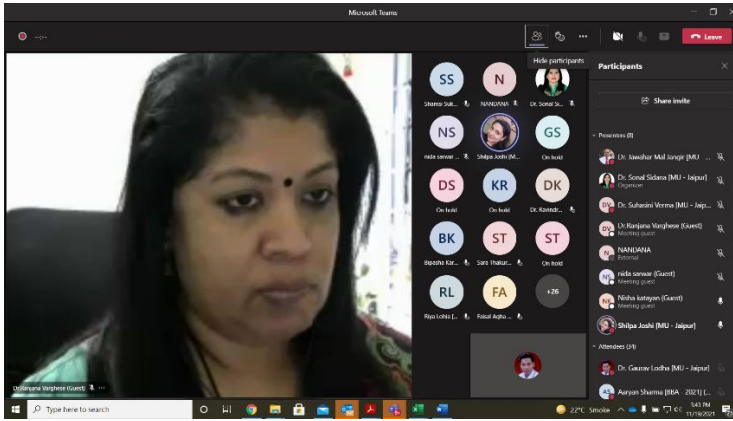
SESSION CHAIR TRACK 2



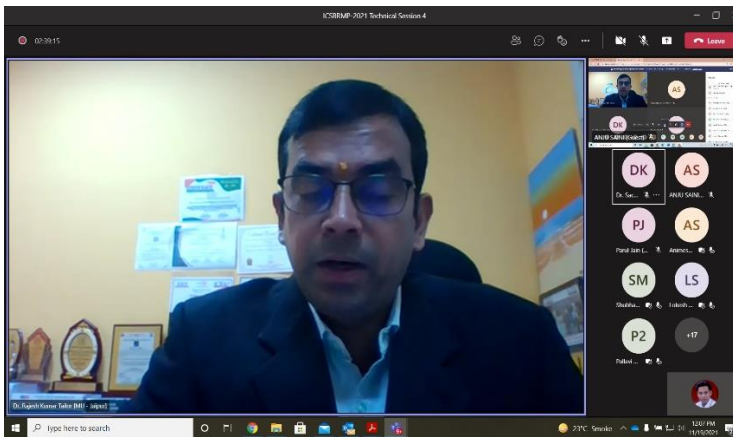
SESSION CHAIR TRACK 2



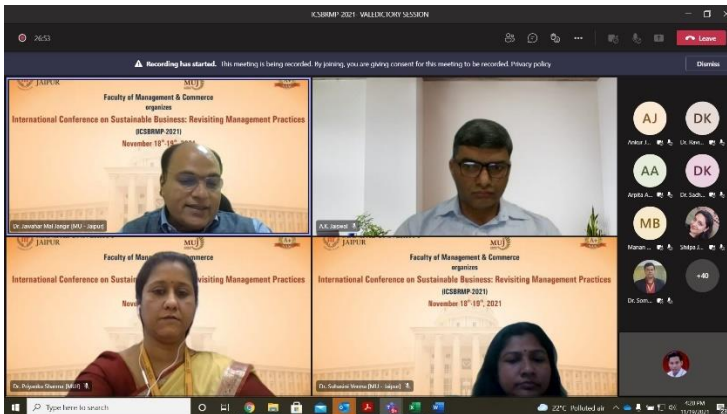
SESSION CHAIR TRACK 3



SESSION CHAIR TRACK 3



SESSION CHAIR TRACK 4



VALEDICTORY FUNCTION

7. Brochure or creative of the event (insert in the document only)



ICSBRMP-2021
BROCHURE.pdf

8. Schedule of the event (insert in the report)

This two-day international conference is organized on the broad theme of Finance and Economics, Marketing, HR and Strategy & Entrepreneurship and we receive an overwhelming response in each of the area of the conference.

The broad area covered in the Technical Session 1 (Finance & Economics) are Green Financing, Dynamics of Value Creation and Sustainability, E-Commerce in Post-COVID era, FinTech, Financial Inclusion and Merger & Acquisition.

The broad area covered in the Technical Session 2 (Marketing) are Green Marketing, Product and Service Development Issues in Strategic Alliance, Social Media Importance & Applications, Digital Marketing, Consumer Behavior and Customer Relationship Management.

The broad area covered in the Technical Session 3 (HR) are Reinventing the Future of Work and Business, Employee Retention/Motivation during Crisis, Engaging Gig Talent in the Post-Covid Scenario, Performance Management and Strategic Human Resource Management.

The broad area covered in the Technical Session 4 (Strategy & Entrepreneurship) are The Emerging Post-COVID Business Landscape, Re-engineering Post-Pandemic Business Models, Transforming Research in the Changing Times, Business Innovations and Change and Strategies for Managing Organizational Crisis.

In the technical session on the broad theme of Finance, Marketing, HR and Strategy & Entrepreneurship we have received more than 90 papers in all.

In each of the technical session we received some of the very good quality papers justifying the theme of the conference and fulfilling the objectives of organising this conference.

In all the papers in the conference were related to the various themes and come up with the findings that:

What is the ROLE OF E-COMMERCE IN BUSINESS SUSTAINABILITY (POST – COVID EFFECTS) which concludes that the lockout has compelled buyers to reconsider their purchasing patterns, including cost awareness, a desire for local products, and an emotional shift toward internet commerce. One of the Paper on Masala Bonds concluding that its appealing and are highly admired as they are issued to overseas investors and are settled in foreign currencies, thereby shifting the exchange risk from the issuer to the investor. Another Paper concluded that fintech start-ups are becoming more popular, some traditional financial services



and banks are applying technology as a support of their financial services innovations related to fintech inside their companies, mostly with the objective of digitalizing their processes and making them to be more agile, so there is this difference between both. In another paper its being concluded that the level of risk while investing is found the most significant parameters and schedule of investment and its horizon found less significant parameter. Another paper concluded that investors gained optimistic abnormal returns based on the declaration of a stock split. Still the second day after event day, investors incurred negative abnormal returns, and the same thing was observed in the sample study. In one of the papers of the marketing track it concluded that using the technique of self-promotion for Impression Management and activeness over the Twitter has a significant relationship with the popularity of the political leaders and helps in their political branding. In another paper it was observed that Based on the ranking of the features affecting the buying decision, it is found that 'Safety Features' is the extremely important feature followed by the Maintenance Cost, On-Road Price, Design Outlook, Environment Friendliness and Luxurious Experience in the buying decisions of the vehicles. One of the papers concluded that the two most important factors influencing technology adoption behavior are intention and attitude, which are influenced by a variety of other independent variables like perceived usefulness (performance expectation), ease of use (effort expectation), perceived risk (anxiety), perceived behavioral control (self-efficacy), societal influence, and aiding conditions. The other paper observed that due to social sites, it is easy to get information on how people will react on any product. Thus, becomes helpful for them to advertise and market a product accordingly. In the HR Track One of the papers in the conference worked upon the performance appraisal in the covid 19. Challenging the usual status quo of evaluating people's performance, took a turn during covid 19 while working remotely. Hence this paper interestingly found out new ways to evaluate performance. Another paper talked about employee turnover intention in hotel industry. The research results in gauging quitting intentions of top employees and suggest interventions accordingly. Work life balance and quality of life are foundational researchers in HR. one of the paper in conference talked about quality of work life for women centric study. The research found women unequally burdened with twin responsibility of work & family, more harshly in covid19 and suggest alternatives for workplace friendly policies. A paper on green HRM conceptualized it as need of the hour with limited resource management. It compiled various green HRM practices of green engagement, green performance management, green pay and reward. A review paper presented review of emotional intelligence in developing various customer relationships. Another paper presented talked about role of gender in work-family interface. A aper on ITC infotech talked about motivating people in time of crisis of covid 19. It detailed stress free and motivational interventions.

In the Track for entrepreneurship & General Management One of the conference papers presented talked about renewable energy resources and its role in sustainable development. It presents an argument why green clean energies and technologies contribute to sustainable development. Another paper similarly, presented why it is good idea to focus on solar cells for contributing towards



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sustainable development. A paper worked on demand and supply dynamics of Vetivar, a key ingredient of perfumes with wooden earthy flavors. A different paper in the track talked about how supply chain disruptions caused shortage of 'semi-conductor chips' to manufacture electric appliances. Another theoretical paper presented key findings on study of role of entrepreneurship and economic development. An interesting paper was on robotics and automation of mundane repetitive tasks. Using the concept of RPA (Robotic process automation), it explained role of RPA in business automation. Another paper talked about strategies in managing crisis. The research provides conceptual background and policies to manage crisis. A paper presented talked about impact of technology adoption in educational entities in India. The study identified factors affecting adoption of technology and finally established role of impact of covid 19 on digital adoption. Another paper was on building trust and assurance in Covid 19 in hospitality industry. Another paper was about e-tourism quality measurement and identified factors critical for enhancing tourism experience. A case of school learning experience in covid19 was also presented and talked about challenges faced by schools in adopting new normal. A paper on assessing general mental awareness was presented. The study found glaring differences in GMA levels in science and non-science students.

In all this conference proved to be very useful for all the important domains of commerce and management.