



Odyssey of the second decade

Inside this issue:

Messages for Students	2
Upcoming Events	3
Welcome new faculties	4
Projects	5
Students Achievements	6
Alumni Achievements	7
Alumni	8

Celebrating the 10th anniversary of the establishment of our institution, *Pandit Dwarka Prasad Mishra Indian Institute of Technology Design and Manufacturing, Jabalpur (PDPM IIITDMJ)* in its collaboration with Japan under JENESYS programme is committed and dedicated to its brighter and promising future. Established in 2005 by MHRD, Govt. of India as an Institute of National Importance, the institute has been delivering outstanding education and research directions in several domains. Over the past decade, the institute has welcomed new majors and pioneered advancements in both engineering and design disciplines. It also created some of the most productive engineers and placement



opportunities. Since the beginning, the institute is thriving a multidisciplinary academic environment to prepare and train manpower of excellence for nurturing and promoting knowledge-based activities and innovations in design, fabrication and manufacturing of products by bringing together a collaborative and mutually stimulating mix of different fields of science and engineering.



"We , The People"

TEDxIIITDMJabalpur was the first ever chapter of TEDx opened at IIITDM, Jabalpur. The event, held on the 14th of April, 2016 has given the institute a recognition at an international platform through TED.

The initiative was taken by the two faculties from the college, Mr. Jayesh Pillai and Mr. K. K. Balakrishnan and organised under an issued license from TED. The team is currently preparing for the TEDxIIITDMJabalpur '17.

More details:

<http://tedxiiitdmjabalpur.in/>

DeW 2016



DeW is an interdisciplinary design workshop organized by IIITDM Jabalpur in collaboration with the Ministry of Foreign Affairs, Japan since 2010. The workshop is open to everyone interested in design and manufacture. We invite participation from a diverse background, such as those from Engineering, Architecture, Information Technology, Science, Humanities and beyond.

Encouraging STARTUP INDIA

This initiative aims at fostering entrepreneurship and promoting innovation by creating an ecosystem that is conducive for growth of Start-ups. The objective is that India must become a nation of job creators instead of being a nation of job seekers.

Under this programme, the institute, recognised as a start-up centre had invited proposals for possible funding. Of several project ideas submitted by Jun 26, 2016, ten were selected and funded.

More details: <http://startup.iiitdmj.ac.in/>

Message for students

DIRECTOR'S MESSAGE

Dear Alumnus/Alumni,

With great pleasure I extend my warmest greetings to each one of you individually. It is always a heartfelt contentment to see the graduated students of the institute excelling in their respective fields. The distinction you earn as individuals is a feather on the cap of your alma mater. Whereas, the role of your alma mater formally comes to an end with convocation of the respective student, Alumni Forum ensures that each one is individually connected to its roots and helps develop the institute.

Always remember that every success you achieve is an achievement for us. With this aim, the first Newsletter of the Alumni Association has been initiated so as to maintain and keep a track of the two way communication between us and you. This newsletter aims in connecting the farthest son and daughter of IIITDMJ separated geographically to the core of the institute so that we all can cherish and enjoy your success irrespective of physical distances.

Modern communication media has made the world compact and thus, it is always expected that wherever you are, your presence is always felt at the institute. It is really interesting to note that many of you have forayed into higher studies like Masters/Ph.D programs at prestigious institutes both nationally & internationally, qualified into services like UPSC/IAS and Engineering Services. With this we also aim that your every milestone sets new threshold for the excited and enthusiastic students in the contemporary.

On a personal note, I as head of this family of IIITDMJ, shall like to request all to keep us updated and contribute towards the development of the institute through Student mentoring, Project Mentoring, etc. I am sure that learning from IIITDMJ amalgamated with the exposure from your end shall help carve a bright future for the current set of students and likewise, this chain continues.

With these words, I once again extend my heartfelt congratulations to each one of you and also wish you a Warm Prosperous New Year Ahead.

Best Regards,



Prof. Pramod Kumar Jain

MESSAGE FROM FACULTY IN-CHARGE

Dear Alumni,

It has been well written by Tagore, "Life! Oh Where is Life, Kindle it with the burning fire of desire". It is the desire in oneself that draws the instincts and passion to achieve your goals and targets. I am extremely delighted to inform that the first Alumni meet was held on December 25, 2015 where the current body of Alumni was constituted with an aim to "Connect with Alma mater". While IIITDMJ sails into its odyssey for the 11 th year, it is also important to commemorate the 10 years gone by.

Amongst the initiatives taken by the Alumni Forum was to register for a society. I am happy to inform that the formal application has been made under the MP Societies Act and that the application is pending approval from the Registrar of Societies, Govt. of MP. Once the approval is accorded, Alumni Association shall be formally known as "IIITDMJ Alumni Association (IIITDMJAA)". This would also aid in initiating the Local Chapters across major cities of the country. On a personal front, I would request the students abroad to help us initiate an international chapter so as to help us update the developments of our family members of IIITDMJ, across the globe.

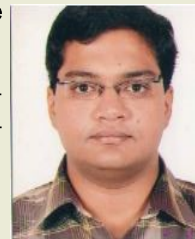
The second initiative taken is the launching of the newsletter. Initially, this newsletter shall be released on a half yearly basis, however, with due course of time, the frequency shall increase. This is an effort to keep everybody updated about the developments in the institute, achievements of the faculty and students, achievements of the Alumni and information about the new faculty joining the institute.

I would like to remind that Time waits for none. 10 years have gone by and the institute has also forged ahead. However, it is a high time that each one of us need to relook into Dreaming New Dreams for the ongoing decade and thus, I urge all graduated students to help us mentor the current generation of Budding Engineers and Designers so that they can take up the new challenges for tomorrow. Some new initiatives in this direction shall also be taken and your individual contribution in this regard is highly solicited. **For any financial contribution, you are requested to get in touch with us on alumni@iiitdmj.ac.in. Efforts to provide 100% Tax rebate on the contributions made is also under process.**

Once again, I wish each one of you my sincere most and warmest wishes for a prosperous new year ahead.


REMAIN CONNECTED & STAY BLESSED.

Best Regards.



Dr. Biswajeet Mukherjee

Upcoming Events



DeW 2016 will be focused on Internet of Process Centric Design and Manufacture. Industry 4.0 is the fourth major upheaval in modern manufacturing. It involves the use of advancements in communication and information technology, to increase the degree of automation and digitization of production, manufacturing and industrial processes. The incorporation of the Internet of Things (IoT) in the design and manufacturing has played an important role in initiating the fourth industrial revolution. The physical and the virtual world have been merged using Cyber-Physical Systems (CPS). CPS are integrations of computational and physical processes. IoT is the network in which the CPS collaborate with each other through unique addressing schemas. The Smart Factory or the factory of the future is intended to operate efficiently, with all processes performing and regulating in a smooth and continuous manner. DeW 2016 will take place from 12th to 14th December 2016 at IIITDM, Jabalpur.



GUSTO is the annual inter-college sports meet of the Indian Institute of Information Technology, Jabalpur it will be the 11th edition of GUSTO since 2006. It will feature a multitude of events viz. Cricket, Volleyball, Football, Badminton, Athletics, Basketball, Lawn tennis, Table Tennis, Chess, Carrom, Sports Quiz and just to perk it up there will be informal events as well. It will be organised during Jan 28-29, 2017.



TARANG, since 2007, is the festival that has proved to be unarguably the most popular Festival in central India. This time it promises to bring forth a even more better *tarang* with many more exciting events and activities online as well as during the fest lined up. Held annually in the month of October, TARANG has always drawn huge participation from students on account of the variety of events that are on offer and the challenges they provide. However, this time it has been postponed to March 24-26, 2017 to be held along-with the ABHIKALPAN.



ABHIKALPAN, the annual technical festival of PDPM IITDM Jabalpur was brought into action in 2006 with an aim to promote innovative technical excellence and organizational proficiency. There are multitude of events, technical and non- technical, along with mega show, various exhibits, guest lectures and workshops on the trending technologies. Along with the workshops, there are numerous events of Mechanical, Electronics & Computer science Streams & Design zone like Robothon, Robowar, Debugging Circuits, Productika etc.



ADVANCED DATA MINING ALGORITHMS AND THEIR SCALABILITY FOR BIG DATA. aims to introduce advanced data mining algorithms to students who have some knowledge about basic data mining algorithms. Advanced classification and clustering algorithms are presented and analyzed. The data type of graphs is introduced and various mining tasks with graph data are presented and analyzed. Scalability of some data mining algorithms and some graph processing algorithms using the

MapReduce paradigm for Hadoop environments is presented and analyzed.

More details at: <http://ict.iiitdmj.ac.in/adatamining.html>

Welcome to our new faculties...

Dr. Yashpal Singh Katharria



Previously associated with BML Munjal University, Gurgaon, Dr. Katharria joined PDPM IITDM Jabalpur during November 2016. He received Ph.D. on Synthesis and modification of silicon carbide by ion beams from Jawaharlal Nehru University while conducting the research at Inter-University Accelerator Centre, New Delhi under the supervision of Dr. D. Kanjilal. In the year 2009, he joined Atomic Energy Commission, Cadarache, France for his first foreign postdoctoral research assignment. Later on, he joined Semiconductor Physics Research Centre of Chonbuk National University, Jeonju, South Korea for his second postdoctoral research endeavour. He

was awarded research funding under Fast-Track Young Scientist programme of Science and Engineering Research Board, New Delhi in 2014. After a brief stay at Indian Institute of Technology Delhi in the year 2014, he joined Central University of Rajasthan and taught undergraduate and postgraduate students for more than a year. Ion implantation and formation of buried embedded layers, Applications of energetic ion beams in materials analysis, Structural, electrical and optical properties of wide-band gap semiconductors, semiconductor optoelectronic devices

Dr. Deepmala

Dr. Deepmala has recently joined the college as an Assistant Professor in Mathematics discipline. Previously, she was working as Visiting Scientist at SQC & OR Unit, Indian Statistical Institute, Kolkata, India. Her research interests are the areas of pure and applied mathematics including Optimization, Mathematical programming, Fixed point theory and applications, Integral equations, Operator theory, Approximation theory, Analysis, Dynamic programming, Airlines disruption

management etc. She has published more than 30 research papers to her credit in several journals of repute & member of several scientific committees, advisory boards as well as member of editorial/reviewer board of a number of scientific journals in frame of pure and applied Mathematics. She has delivered invited talks & chaired sessions at several international and national conferences in India and abroad.



Dr Kusum Kumar Bharti



Having completed her Doctor of Philosophy (Ph.D.) degree from ABV-Indian Institute of Information Technology & Management Gwalior, Dr. Bharti joined the college in October, 2016 as Assistant Professor. She completed B.E. and M.Tech. in Computer Science respectively from RKDF Institute of Science and

Technology, Bhopal and Maulana Azad National Institute of Technology, Bhopal. Her areas of interest include text clustering, sentiment analysis, nature inspired algorithms

Research Projects

Sl. No	Project Title	Duration	Investigator	Funding Agency	Status
1	Virtual Lab on Manufacturing Processes	2010-12	PI: Prof. V.K.Gupta Co-PI(s): Prof. Puneet Tandon, Prof. T. Sheorey	MHRD, Govt. of India	Completed
2	Virtual Lab on Automated System	2010-12	PI: Prof. T. Sheorey Co-PI(s): Prof. V.K.Gupta, Prof. Puneet Tandon	MHRD, Govt. of India	Completed
3	Process Development for the Fabrication of Free Form Component Through Incremental Sheet forming	2012-15	PI: Prof. Puneet Tandon, Co-PI: Dr. P.K. Jain	BRNS, Department of Atomic Energy, Government of India	Completed
4	Time -Varying Harmonics and Interharmonics Estimation In Real Time for Online Applications	2013-16	PI: Dr. Sachin Kumar Jain	Science and Engineering Research Board (SERB), New Delhi	Completed
5	Development of Additive-Subtractive Integrated RP System for Improved Part Quality	2014-17	PI: Dr. P.K.Jain Co-PI: Prof. Puneet Tandon	Science and Engineering Research Board (SERB), New Delhi	Ongoing
6	Electrodeposition of Magnetic film in the presence of external magnetic field	2015-18	PI: Dr. Amaresh Chandra Mishra	Science and Engineering Research Board (SERB)/DST, New Delhi	Ongoing
7	Electronics and Spintronics properties of Halogen Functionalized Graphene Nanoribbons	2015-18	PI: Dr. Neeraj Kumar Jaiswal	Science and Engineering Research Board (SERB)/DST, New Delhi	Ongoing
8	Design and Development of RF Energy Harvesting Circuits For Low-Power electronics Devices	2015-19	PI: Dr. Jawar Singh	Science and Engineering Research Board (SERB)/DST, New Delhi	Ongoing
9	Special Manpower Development Programme for Chips to System Design	2015-16	PI: Prof. P.N. Kondekar Dr. Jawar Singh, Dr. Dheeraj Sharma	CEERI, Pilani (Dept. of Electronics and Information Technology)	Completed
10	Fractal Based Dielectric Resonator Antennas for compact wideband and High Gain Applications	2015-18	PI : Dr. B. Mukherjee	Science and Engineering Research Board (SERB)/DST, New Delhi	Ongoing
11	Academic Collaboration under Design Innovation Centre	2015-18	Prof. Tanuja Sheorey Dr. Atul Gupta	RDVW – JBP (MHRD)	Ongoing

Students' Achievements

- ◆ Out of seventy-one students that appeared in NCAT-2016 on 20th February 2016 conducted by International Forum for Excellence in Higher Education (IFEHE), congratulations to the seven students – Daniel Anshul Sinha (Cat.I), Pranjul Shukla (Cat.I), Shivangi Khare (Cat.II), Divyesh Garg (Cat.II), Ritwik Roy (Cat-III), Ashish Jain-Cat-III), Nazma Naushin (Cat.IV) for qualifying to the second round.
- ◆ Among several students appearing for GATE-2016, Pulkit Rana – AIR-815 (ME), Piyush Sharma – AIR-717 (ME), Arpit Gupta – AIR-518 (CSE), Abhijeet Dubey – AIR-323 (CSE), Ankur Sharma – AIR- 238 ME) and Dheeraj – AIR-666 (ECE) are congratulated for scoring rank under 1000.
- ◆ Mr. Ritwik Roy (Roll No. 2013171) & Mr. Parantap Chakrabarti (Roll No. 2013145) were awarded a cash prize of ₹7500/- for being runner-up at Chimera 2016 (a general quiz), organized by Indian Society for Technical Education Students' Chapter MANIT Bhopal held on 28th February, 2016.
- ◆ Mr. Diwakar Vaish (Roll No. 2014052) won 2nd prize in online poster making competition in 'Recycle Campaign' organized by IIT Bombay.
- ◆ Mr. Ankur Sharma (Roll No. 2012268) appeared in OCES/DGFS -2016 exam and secured 96.23 percentile.
- ◆ Ms. Shivangi Khare (Roll No. 2014165) was offered IASc-INSA- NASI Summer Research Fellowship at IIT Hyderabad and also selected under IIT Bombay Eklavya internship programme.
- ◆ Mr. Yash Raizada (Roll No. 2014206) and Yasawini Ravuri (Roll No. 2014205) participated in 'GO Green in the City 2016', a global business challenge hosted by Schneider Electric Paris.
- ◆ Mr. Bhagwan Ram (Roll No. 2012269) has got three international SCJ journals papers published while two of his international conference papers are accepted.
- ◆ Mr. Abhilash Mishra (Roll No. 2012143) and Amit Gupta (Roll No. 2012021) got a performance award at the AMADA 28th Precision Sheet Metal Technology Fair 2016 held at Tokyo Japan and also sent for a technical training at JINPAO Industries, Thailand for a period of 3 weeks from 18th March to 9th April 2016.
- ◆ Mr. Deshal Dan (Roll No. 2012073) got second prize in Essay Competition on Smart City.
- ◆ Ms. Aditi Sharma (Roll No. 2013012) selected as S. N. Bose Scholar at University of Illinois

IIITDMJ Racing Team: Registered for SUPRA 2017



IIITDMJ-RACING is IIITDMJ's SUPRA SAEINDIA racing team which came into inception in the year 2013 and has well over 20 members filled with passion and the ability to make a mark in the SUPRA SAEINDIA competition. Through this venture, the students have implemented the process of engineering design, manufacturing and business strategy. It is a matter of great pride for the institute as IIITDMJ-Racing Team has qualified for the virtual round of SUPRA-17.

Selective Alumni Achievements

Alumnus Name	Batch	Current Position & Location	Achievements
Somesh Singh	2008-2012	Sr. Engineer, Paytm	Alumni Secy.; CSR HEAD SEEPP Foundation.
Abhinav Shekhar Vashistha	2012-2016	Research Assistant , IIT Bombay	Infymaker'2016 award Winner, Startup idea selected for Incubation under Startup India, IIITDMJ
Shishir Shroff	2008-2012	Masters in Physics, Nanoscience; Lund University, Sweden	Working with PL studies of individual III-V Nanowires
Nagendra Yadav	2011-2015	Founder and CEO at SYNK Consulting Group Pvt. Ltd.	Got business offer from SAS Institute Australia. Started my own tech-consulting firm and partnering with SAS Institute Australia.
Pranov Rai	2008-2012	MBA student at MIT Sloan School of Management ; Cambridge, Massachusetts, USA	-
Umang Katta	2008-2012	Owner at Katta Roasts & Foods, Jaipur	Founded 'KATTA ROASTS & FOODS'.
KUMAR KARTIKEYA	2005-2009	ANSYS, PUNE	DFSS GREEN BELT CERTIFICATION for Six Sigma
Anilesh Sharma	2007-2011	Software Engineer - II & Boston, MA, USA	Software Engineer in Big Data and HPC of my team.
Rahul K Dash	2011-2015	PhD student at IISc Bangalore	Cleared GATE with AIR 732 and got direct PhD into most funded academic dept. of India i.e., CeNSE in IISc Bangalore.
Gaurav Tripathi	2006-2010	PhD student, KU Leuven, Belgium	Masters in Materials Engineering, University of Tokyo
Ritesh Pandey	2008-2012	Co-Founder at Truebil, Mumbai	Co-founded a startup and lead its technical department
Girish Tiwari	2009-2013	Scientist 'B' at ISRO, Govt of India. Hyderabad	AIR 171 in GATE-2014; M.Tech. in VLSI from IIT Bombay
Sachin Kumar	2008-2012	Student, PGDBA @ IIM Calcutta, ISI Kolkata, IIT Kharagpur	1 international journal paper, 3 international conference papers, Selected in PGDBA Program, Silver medalist for best B.Tech project in ME, Selected to visit Japan in 2011 under JENESYS program
Saiveena Kesaraju	2006-2010	PhD-Penn State University	Principal Investigator of Radio Experiments at Arecibo Observatory
Anish Agarwal	2012-2016	Design Engineer, Lava International Ltd., Shenzhen, China	Working with market leaders like Mediatek, Lava in world's electronic capital itself.
Ashwin sharma	2010-2014	Examiner of patents and design (Group A Gazetted), DIPPI, Ministry of commerce and industry, GOI.	AIR 146 GATE-2015



IIITDMJ Alumni Association

ALUMNI BODY

Faculty-in-charge	Dr. Biswajeet Mukherjee
Office of Alumni Affairs	Ms. Tulika Ruth Nelson Mr. Anil Kumar
Executive committee	Sameer Saurabh – President Dr. Apoorv Vasal - Vice President Somesh Singh – Secretary Suteerth Tripathi - Treasurer cum Joint Secretary
Executive members	Dr. Mohd. Rajik Khan Ankit Shukla Dr. Rajlaxmi Chouhan

Student Coordinators

Student Senate Representative



Apoorv Bhadoriya

apoorv.mitsgwl@gmail.com



Vishal Bhojak

vishalbhojak107@gmail.com



Neeraj Gupta

neerajgupta592@gmail.com



Navinder Singh Bhamra

nav7.singh@gmail.com



Pandit Dwarka Prasad Mishra
Indian Institute of Information Technology Design & Manufacturing, Jabalpur

Dumna Airport Road, P.O.: Khamaria,
Jabalpur - 482 005,
Madhya Pradesh, India

Visit us at:

<http://www.iiitdmj.ac.in/>

<http://alumni.iiitdmj.ac.in/>