

पी.डी.पी.एम.

भारतीय सूचना प्रौद्योगिकी,
अभिकल्पन एवं विनिर्माण संस्थान, जबलपुर
(संसदीय अधिनियम द्वारा स्थापित राष्ट्रीय महत्व का संस्थान)



PDPM

Indian Institute of Information Technology,
Design and Manufacturing, Jabalpur

(An Institute of National Importance Established by an Act of Parliament)

QUARTERLY NEWSLETTER

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PDPM Indian Institute of Information Technology Design & Manufacturing Jabalpur

Dumna Airport Road, Dumna, Jabalpur – 482005, Madhya Pradesh, India

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

Keynotes from the Director's Desk



Dear All,

I am immensely happy to present the January 2022 Issue of our Institute Quarterly Newsletter to you.

The present issue will provide you a quick glance into our academic accomplishments and research achievements, co-curricular, extracurricular, and developmental outreach activities.

Your views, suggestions and discussions are always solicited to help us more reachable to you.

Warm regards,

Prof. Pravin N. Kondekar

Director, PDPM IIITDM Jabalpur

Glimpses of Fit India



Placement Report

IIITDM Jabalpur has seen a significant increase in placement in the 1st phase of session 2021-22. In the 1st phase total of 72 Companies have visited the Institute and given 304 offers to 192 students, which shows a notable hike in the offers compared to session 2020-21, where 242 Offers were given. The Highest package offered so far this year is 44 Lakhs given by Amazon, grabbed by 11 students. Apart from Amazon, other star recruiters are Games Kraft, Slice, CRED, LinkedIn, Oracle, Mathworks, American Express, Eaton, Dell, Media.net, Browser Stack, Paytm, Dialpad, Morphle Labs, Ugam Solutions, Chalo, Cambium, Cradlepoint, Zolostays, Tokopedia, IBM, TCS R & I, Deloitte etc. This year many new organizations have also visited the Institute to hire a pool of talented candidates. Apart from this, there is a notable increase in the average package as well.

Statistics of placed students					
Course	Registered Candidates	Students Placed	Total Offers Received	Avg Package (LPA)	Highest Package
CSE-B.Tech	90	87	144	15.97	44
ECE - B.Tech	80	61	77	13.66	44
ME - B.Tech	75	21	24	7.84	8.6
Design	35	8	2	10.25	12
M.Tech	63	19	26	10.25	18.80

The Institute is making all necessary measures to prepare a pool of talented candidates, and for this, various webinars are organized from Technical persons in Industry and Alumni. The Institute is now the official partner of Code Chef to provide learning and practices sessions on coding to all the students. Apart from this, regular Courses on Personality development were also organized, which helped the students prepare well for the campus placements. Prof. Pritee Khanna, Chairperson Placement Cell and Mr. Omvir Singh, Placement Officer, said that the Institute is set for the 2nd phase of placements and looking forward to many more offers for the students. Director of the Institute Prof. P N Kondekar conveyed his best wishes to all the selected candidates.

Research, Sponsored Projects & Consultancy Activities

SCI Listed Journal Publications: Till December 31, 2021

Year	2021
Number of Publications	17

Conference Publications: Till December 31, 2021

Year	2021
Number of Publications	2

Projects Granted (Sponsored Research Projects): Till December 31, 2021

Year	2021
Number of Project	04

Projects Granted (Sponsored Consultancy Projects): Till December 31, 2021

Year	2021
Number of Project	06

Patent Granted/Published: Till December 31, 2021

Year	2021
Number of Patent	3

Faculty Achievements

Dr. N.R. Jena

Invited Talks/Seminars

- Workshop on "Density Functional Theory and Its Applications (2021), Central University of Assam, Silchar, Assam. Title: Density Functional Theory for the Designs of New Genetic Letters.
- Workshop on "Tools and techniques to perform molecular modeling and computer-aided drug design" (MMTT-2021) at NIPER Guwahati. Title: Uses of QM, Docking and MD Methods in Drug Design.

Dr. Mamta Anand

Books

- Missing Girl: Geometry of Creation
- Melody of Love: Great Life a Beacon of Light
- Transformative Innovation: Designing Future

Dr. J. Al Muzzamil Fareen

Special/Invited Lectures Delivered

- Delivered a lecture on "Essentials of Teaching and Learning Technical English for Specific Purposes" at SRM Institute of Science and Technology, NCR Campus, Ghaziabad through online mode on 11 Dec, 2021.

Membership & Professional IDs

- Member (C2103199961) of American Psychological Association since 2021.
- Member (INMS Member ID is INMS_198) of Indian Network for Memory Studies since 2022.

Events Organized (FDP, Seminar, Workshop & Conferences) iNaCoMM 2021

- iNaCoMM2021 (5th International and 20th National Conference on Machines and Mechanisms) was organized during Dec 09-11, 2021 in association with Association of Machines and Mechanisms India (a body of IFToMM).



- The conference was organized in hybrid mode. 18 participants were physically present in the campus and 50 participants have attended via online mode. Dr. Unnikrishnan Nair (Director, Human Space Flight Center (GAGANYAN), ISRO) was the Chief Guest of the inaugural function and delivered the inaugural talk. Besides, the inaugural lecture, two memorial lectures and five Plenary talks were delivered during the conference. Prof. B. M. Belgaumkar Memorial Lecture was delivered by Prof. P. Chandramouli (IIT Madras) and Prof. K. Lakshminarayana Memorial Lecture was delivered by Prof. Anirban Guha (IIT Bombay). Plenary Talks were delivered by Prof. Giuseppe Carbone (Univ. of Calabria, Italy), Prof. M. F. Wani (NIT Srinagar), Prof. P. M. Pathak (IIT Roorkee), Prof. Ashutosh Tiwari (IAAM, Sweden) and Prof. Chongdu Cho (Inha Univ., South Korea).

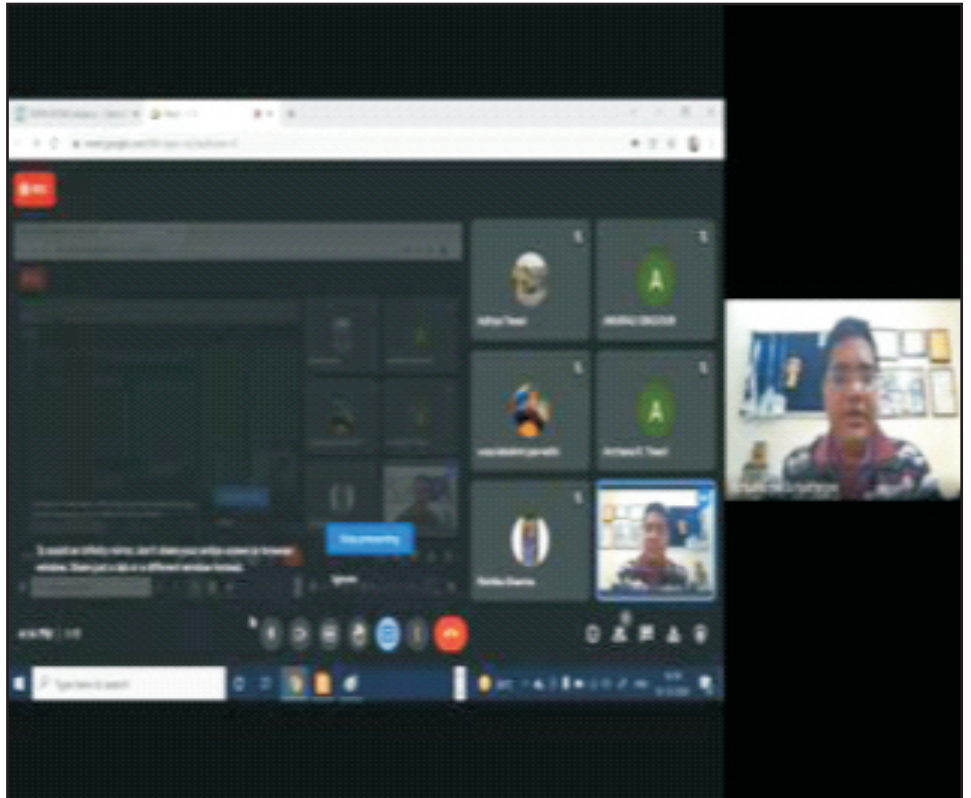


A National Symposium on Mathematical Science and Applications (NSMSA 2021) conducted by NS discipline on December 22, 2021 on the occasion of Ramanujan Day.

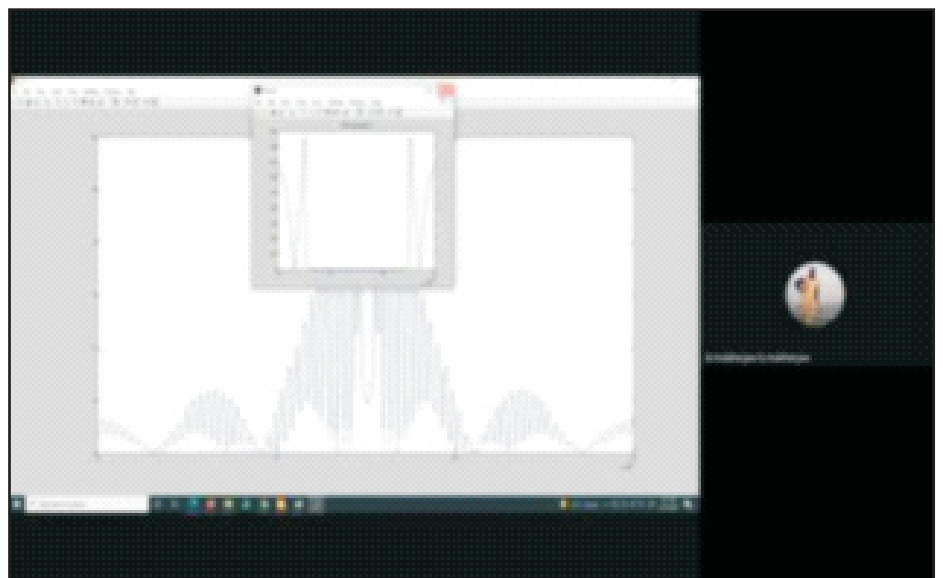
ECE discipline conducted one conference "Control, automation, power and signal processing (CAPS)" during Dec 10-12, 2021.

Title the Research Internship (RI): Computational Techniques in Electromagnetics for indigenous solvers

Computational Electromagnetics has been gaining advantage and attention since owing to various changes in computer architecture and also numerical solvers that are able to model quite accurately quite complex problems. Computational Electromagnetics helps us to solve the E field and H fields of antenna radiation pattern by using different numerical techniques such as finite element method (FEM) and finite difference methods (FDM). Based on these techniques, various simulation tools like CST, HFSS and IE3D etc., are available for computation of the electromagnetics.



The mathematical and theoretical solution for electromagnetics can be find out with the help of partial differential equations. In general, parabolic PDEs are helps us to find solutions of diffusion/ heat equation, hyperbolic PDEs are for wave equation and elliptical PDEs are for Laplace equation. All the three PDEs uses some boundary and initial conditions while solving the equations.



Farewell ceremony of Prof. Sanjeev Jain, Director PDPM IITDM Jabalpur



The farewell ceremony of Professor Sanjeev Jain, 4th Director of Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing, Jabalpur was organized by Assistant Registrar Mr. Shailesh Sharma. On this occasion, Prof. Jain was given a grand farewell by the institute. Prof. Jain made many achievements in the institute during his tenure of 2 years and 6 months. He developed new examination policy, established the Innovation and Incubation Centre, the first women's hostel in the Institute and started many new courses. Prof. Sanjeev Jain will assume the post of Vice Chancellor of Central University Jammu.

On this occasion, Former Director of the Institute, Prof Aparajita Ojha and our Acting Director Prof Praveen N. Kondekar along with key officers, faculties, staff and students were all present and bid a very happy farewell for his success in life and profession.

CAD and 3D Printing Club

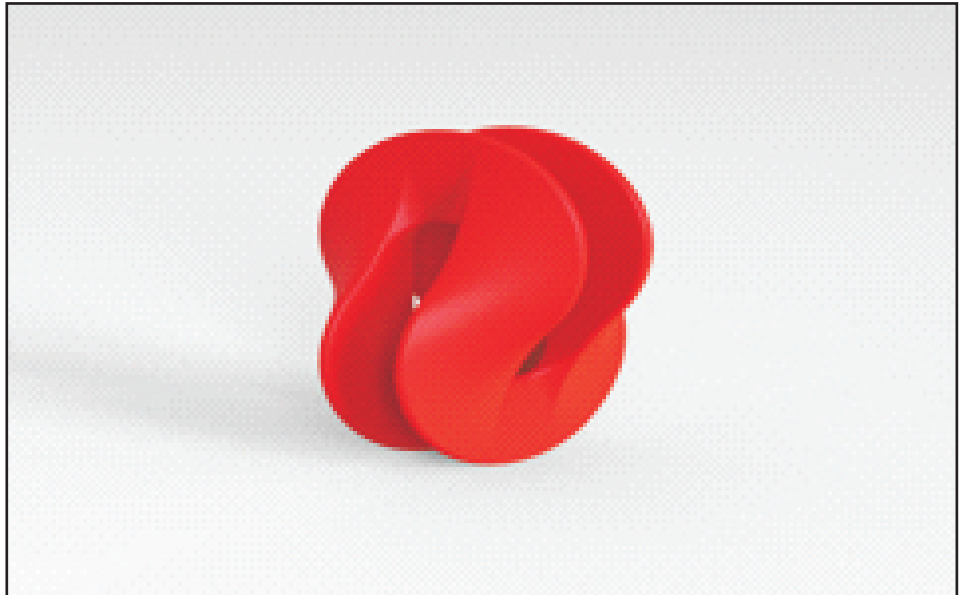
We are targeting to strengthen India through the CAD models design. Participants will have complete freedom of choice on the occasion of Independence Day, to design whatever they want, with a few rules to be followed and they have to justify how their model will really help India grow stronger. Examples:

1. Creative design of a Plant pot that will encourage people to plant and helps in improving air quality and decrease air pollution and this will strengthen India.
2. Design of face masks or gloves such that they are comfortable and effective against the virus, this will strengthen India by protecting its people from this pandemic. There are many sectors such as sports, defense, science, and technology, etc. from which students pick a problem faced and solve them using their design skills and strengthen India.

1st prize winner -

Ankit Basak

3d Model made



2nd prize winner -

Kodali Leela Krishna

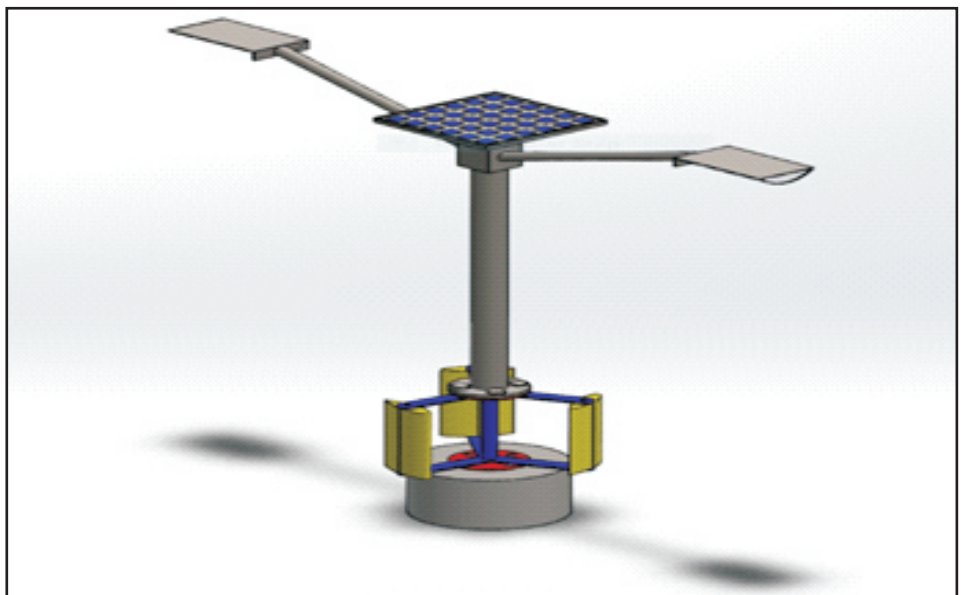
3D Model made



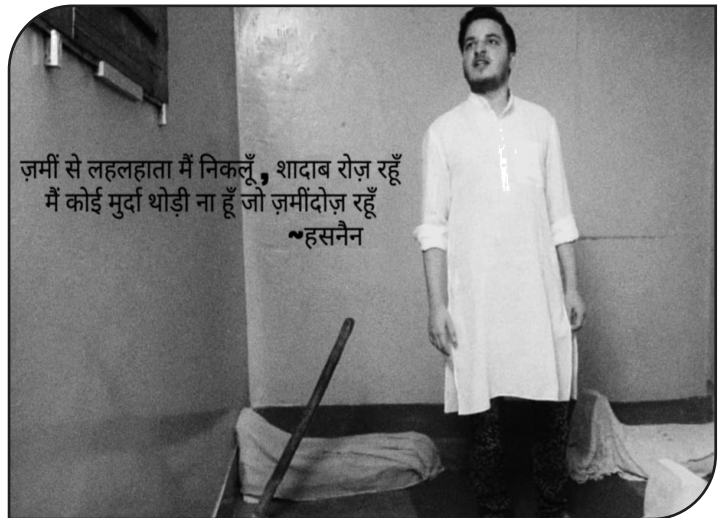
3rd prize winner -

Yash Kshatriya

3D model made



Students Techno Cultural Contests & Events



Programming and Webix Club

Hack the Web

The Programming Club, IIITDM Jabalpur

Date - December 16, 2021

With the motive of improving the development culture in our institute, the Programming Club has planned to organize a series of hackathons that will take place throughout the year. Each hackathon will be based on different technologies, to bring about awareness towards all the different technologies that are being used today in the software industry.

As a debut to this series of hackathons, The Programming Club convened Hack the Web hackathon. This hackathon was based on web-development technologies and was aimed at introducing the students in their freshman year to various web-based technologies and helping them build their first project. Over a hundred people registered for this 24hr hackathon and we received about 50 final submissions from them.

To ensure that all the students get an equal opportunity to win the prizes irrespective of their prior experience with the technology, we divided the hackathon into three tracks, each with varying difficulties and the most advanced track having the biggest prize.

Along with this, in order to encourage the students to come out of their comfort zone and participate in a track of higher difficulty, two special prizes were announced later, to be given to the students who made the best submission after changing their track to that of a higher difficulty level.

The winners of all the five tracks are as follows:

- 1) Advanced track - Aksh Bansal (online code editor)
- 2) Newbie advanced - Manav Desai (event management app in react)
- 3) Intermediate - Abhinandan Gaur (music app using Spotify API)
- 4) Newbie intermediate - Nandani Patel (calendar app using Google Calendar API)
- 5) Basic track - Varisha Rashid (product landing page)

Along with the winners, we would also like to mention a few other projects we really liked:

- 1) Anmol Sharma (event management app)
- 2) Yatharth Goenka (event management app)
- 3) Saurabh Singh Balke (event management app)
- 4) Pulkit Bhargav (event management app)
- 5) Shaswat Gupta (Quiz App)
- 6) Ayush Saxena (Weather and calendar app)
- 7) Arnab Mondal (Weather App)
- 8) Vaibhav Dixit (product landing page)
- 9) Arindam Upadhyay (product landing page)

This proved to be a wonderful hackathon and a great learning experience for all the participants.

SPORTS NEWS & EVENTS

Chess Club

IIITDMJ team has won the International Chess Competition against Georgia Institute of Technology

It was an international team event for college clubs, a total of 160 teams participated which were divided into 10 divisions (16 teams in each division) according to their strength, each division was further divided into two groups for league round, our team was in division 6. A team has a maximum limit of 10 players, our team includes me, co-coordinator Prashant Kumar, Chandra Shekhar Shivam, Ankit Amrithesh, Samyak Jain, Napan Vijayvargiya, Ansh Choudhary, Smit Agrawal, Kritik Joshi, and Sunath Khadikar.

Students finished the league stage as a table topper.

In the playoff stage, we faced Purdue University in the quarterfinal, Carnegie Mellon University in the semi-final, and had our final match with Georgia Institute of Technology.

Glimpses of Sports





Chief Patron

Prof. P. N. Kondekar
Director I/C
PDPM IIITDM Jabalpur

Patron

Prof. Prabin Kumar Padhy
Professor In Charge (PIC) RSPC

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