



**Pandit Dwarka Prasad Mishra**  
**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,**  
**DESIGN & MANUFACTURING, JABALPUR**  
(An Institute of National Importance Estd. by an Act of Parliament)

**Annual Report**

**2018-19**



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### DIRECTOR'S REPORT



Welcome to IIITDMJ.

Dear family members' congratulations on being part of one of the topnotch academic institutions of our country. This being an institute with a unique mandate of its kind of providing technical education in IT enabled design & Manufacturing, focuses synchronously on solving the contemporary issues of the present day society using information technology, besides imparting technical education in specialized field of sciences as its core competence namely Computer Science and Engineering, Design, Mechanical Engineering and Electronics and Communication Engineering.

As mentioned above, being a family, there are no individual gladiators here, we work as a family i.e. one for all and all for one, investing all our energy and resources in achieving the pious and noble objectives for which this Institute stands for.

The year has been a year of achievements and development on all fronts-whether it is in placement, faculty achievements, infrastructure developments, projects, national ranking.

The size and structure of our academic prowess is constantly evolving which has affected the demand for our students at national and international level, and which is reflected on the placement figures the Institute has achieved. Our faculty have become increasingly aware of the need for education based on the principles of 'conception to creation' in consonance with the need of the present day society, thus formulating new courses in the discipline in vogue as well as delving into new frontiers of inter-disciplinary courses, thus spearheading in this arena as well.

Besides, imparting technical education the institute also focuses on all round development of its students and hence various extra-curricular activities like Tarang (cultural fest), Gusto (sporting fest) and Abhikalpan (technical fest) are held among others to keep the students motivated and actively involved besides their academics.

Also, the Institute has a state-of-the-art infrastructure comparable with any Institute of eminence at home and abroad.

Such stupendous feats doesn't make us an exception to become lackadaisical in our duty towards 'Corporate Social Responsibility' of which we are fully aware and thus have taken upon us the moral obligation to educate the populace in the nearby villages in and around the Institute under the Jagriti Scheme, besides actively contributing to the national missions like Swach Bharat Abhiyan, Make in India, Unnat Bharat Abhiyan and Digital India.

I am sure that the sincere efforts by the IIITDMJ family on all fronts will not only present this Institute as an academic powerhouse but also a conglomeration of creativity, research, entrepreneurial endeavors, great intellectuals and responsible citizens of this nation who will act as a catalyst and propeller to lead this country to its rightful place of '*Vishwaguru*'.

I wish the IIITDMJ all the very best and implore the blessings of the Almighty for its future endeavours.



## ACADEMIC PROGRAMMES

PDPM IIITDMJ was initially established in the year 2005 by MHRD, Govt. of India under the Societies Registration Act 1860, with the primary objective of promoting quality education and training in IT Enabled Design and Manufacturing. The Institute was given the status of 'Institute of National Importance' under the IIIT Act 2014 and is now governed by it. With the passage of time new courses/curricula in core disciplines and inter-disciplines have been evolved keeping in mind the needs of the changing times in alignment with the mission, vision and values of our Institute.

The Institute offers technical education in three basic fields of engineering i.e CSE, ECE, ME under UG, PG and Ph.D. programme besides offering UG, PG and Ph.D. level programmes in Design and Ph.D. in Natural Sciences (Mathematics/Physics/English).

Currently the total strength of students on roll under different programmes is 1482. This is projected to increase by 1900 *plus* students by the year 2022.

## CONFERENCES AND WORKSHOPS

Various conferences and workshops are organized by faculty of the Institute under diverse disciplines round the year. Experts in the said field are invited to give a talk, lectures on the related topic.

## NIRF

The National Institute Ranking Framework (NIRF) was setup in the year 2014 by MHRD to assess the ranking of the technical Institutes along five parameters i.e. Teaching and Learning Resources (TLR), Research and Professional Practice (RPC), Graduation Outcome (GO), Outreach and Inclusivity (OI) and Perception. On the basis of these parameters the Institute was ranked at 91<sup>st</sup> position in the year 2018 among other engineering institutes in the country.

## ELECTRONICS AND ICT ACADEMY

Education plays a key role in the socio-economic development of a nation. Recent global scenario is indicative of the fact that education is a source of competitive advantage. India has emerged as a fast developing country and has identified certain priority areas for the overall growth. Enormous opportunities exist across all domains including education, healthcare, rural development and small and medium size business development. Realizing the benefits that education can bring to the country, several new institutions have been established in recent years to invest in the Indian human capital. Since ICT applications directly involve electronics resources, it is paramount to plan and implement scalable training programmes in niche areas of electronics and ICT for development of required knowledge base, skills and tools to unleash the talent of Indian population for contributing in two important missions - 'Digital India' and 'Make in India'. With these objectives, Department of Electronics and Information Technology, Government of India has instituted four Electronics and ICT Academies with one academy at IIITDM Jabalpur in partnership with IIITM Gwalior, MANIT Bhopal, and IIT Indore. The Academy aims at running training programmes for faculty, students and unemployed graduates in fundamental



areas as well as on the cutting edge technologies. In addition, the Academy conducts specialized / customized training programmes and research promotion workshops for corporate sector and educational institutions.

The programmes run by E&ICT Academy provide rigorous hands-on training which could attract the attention of faculty members in different remote colleges where practical exposure is less. Therefore, the number of faculty getting trained through E&ICT Academy programmes is increasing in each FDP, teachers are evaluated and then only their course completion certificates are issued. They are evaluated on their practical skills and theoretical knowledge gained.

For achieving self-sustainability, various student skill development programmes are also in the pipeline which are going to start shortly. During 2018-19, 31 Faculty Development Programmes (FDPs) were conducted under E&ICT Academy.

## **RESEARCH PROJECTS & INNOVATION CENTRE**

PDPM IIITDM Jabalpur was established to foster the research and development activities in the areas of IT enabled design and manufacturing, and Design of IT systems to meet the growing demands of the Indian industries.

Following Research Groups are conducted under this banner:

1. IDM: Innovation in Design & Manufacturing
2. IVE: Image & Vision Engineering Group
3. RACE: Robotics, Automation & Control Engineering
4. SERG: Software Engineering Research Group
5. SPACE: Signal Processing, Antenna & Communication Engineering Group
6. SRG: Security Research Group
7. VEDANT: VLSI Electron Device & Nano Technology



## STARTUP IIITDM JABALPUR

Under the noble vision of our Hon'ble Prime Minister Shri Narendra Modi Ji the Government of India has announced 'Startup India' initiative for creating a conducive environment for startups in India with focus on achieving self-sustainability, employment generation, economic upgradation of the masses and becoming self-reliant, hence being propelled by this noble vision the Institute has initiated several startups programmes to make this country a nation of job creators instead of job seekers.

## FACULTY ACHIEVEMENT

The main strength of an academic institution is its faculty who shape the young minds to be great achievers and help them in their quest to be the best. The Institute has a strong faculty base who are Ph.Ds. from reputed institutes in India and abroad. Apart from the regular faculty and Technical Officers the Institute is also visited by guest faculty from India and abroad to impart education in the contemporary and new emerging fields of technology and science which impacts the day to day lives of the common citizen. The current strength of the faculty as on date is 57, with 03- Technical Officers.

The list of notable achievements are given below:

1. Prof Aparajita Ojha, Nominated member of Board of Governors, IIITDM Kurnool.
2. Prof Puneet Tandon, Member Academic Council, Avantika University, Ujjain.
3. Prof Puneet Tandon, President, MHRD Innovation Cell (MIC).
4. Prof Puneet Tandon, Coordinator, National Resource Center (NRC) for Design under the scheme Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Human Resource Development (MHRD), Government of India.
5. Prof Puneet Tandon, Coordinator, Atal Ranking of Institutions for Innovative Achievements (ARIIA).
6. Dr Pritee Khanna, Guest Editor, Special Issue on Computational Intelligence for Biomedical Data and Imaging, ACM Transactions on Multimedia Computing, Communications, and Applications (ACM TOMM).
7. Dr Lokendra Kumar Balyan, Lead Guest Editor : Probe: Mathematics and Mathematical Sciences.
8. Dr Manoj Singh Parihar, Awarded Best paper award on "Investigation of Non-linear Effects in Electronically Pattern Reconfigurable Hexagon shaped Loop Antenna" in International Conference on Optical and Wireless Technologies 2018 (OWT-2019) at MNIT Jaipur.



## INDO-JAPANESE COLLABORATION

IIITDM Jabalpur is the first academic Institute in India, which is being set up under Indo-Japanese collaboration. The Japanese Government has announced twelve partners of the Japanese Consortium in 2007 among Japanese universities/institutes and industries. Several of the Japanese academicians as well as industry experts regularly visit the Institute to participate in its academic activities. Besides, several of our faculty members and students also visit Japan and get themselves exposed and acquainted with the Japanese ways of developing various advanced technologies.

Lectures/seminars by Japanese Experts are conducted timely in the Institute which helps the Institute in teaching of advanced level courses in different areas.

## MOUs

1. Agreement between PDPM IIITDM Jabalpur and EDCIL (India) Ltd. Nominated by MHRD.  
**PURPOSE:** Implementation partner for the purpose of increasing the inflow of inbound international students through systematic brand-building, marketing, social media and digital marketing campaigns.  
**VALIDITY:** 01 April 2018 – March 31, 2019.
2. Agreement between Uttar Pradesh Section ("Technical Co-Sponsoring Party"), Bombay Section ("Technical Co-Sponsoring Party"), Madras Section ("Technical Co-Sponsoring Party"), Madhya Pradesh Subsection ("Technical Co-Sponsoring Party"), Uttar Pradesh Section SP/C Joint Chapter ("Technical Co-Sponsoring Party"), affiliate(s) of the Institute of Electrical and Electronics Engineers Incorporated ("IEEE") AND IETE Gwalior Section, ("Financial Sponsoring Party"), PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur, ("Financial Sponsoring Party").  
**PURPOSE:** Conducting of 2018 Conference on Information and Communication Technology (CICT) held on 26-Oct- 2018, in Jabalpur, India.  
**VALIDITY:** For the above mentioned conference.

## PLACEMENT

Training and Placement (T&P) is an important activity of the Institute. The T & P Unit is mainly responsible for arranging practical training of the undergraduate & postgraduate students to meet their degree requirement and to provide world-class job opportunities to undergraduate and postgraduate students after graduation for suitable placement in the industry and various private and public sector organizations. As regards placement, the T&P Unit invited Senior Executives of major industries/organizations to give pre-placement talks, hold workshops and participate in panel discussions for the students at the campus which helped them acquire better knowledge about various organizations prior to the commencement of campus interviews. A large number of placement preparatory activities like communication skills, interview skills etc. are conducted to boost the morale of the students to face the selection panel. The recruiters appreciated the high level of knowledge and training of the students.



## STAFF

The Institute takes pride in having committed staff on its roll. The staff members are encouraged to participate in various training programmes to hone their working skills to deliver quality service and to move up in their career ladder by giving them sufficient opportunities and sharpen their professional skills.

## FINANCIAL REPORT 2018-19

1. An amount of Rs.7882.75 lakhs was sanctioned as the plan grant to the Institute in the FY 2018-19. Internal income of the Institute for the FY 2018-19 was Rs.1183.47 lakhs which has been transferred to the Institute Corpus Fund.

2. At the end of the financial year 2018-19 the Institute corpus was Rs.5283.96 lakhs. Out of which Rs.2750.25 lakhs has been given as loan to Institute to meet shortage of General Capital Grant in aid. The head wise sanction and utilization of grant is given below:

Particulars	Head 36 (Salary)	Head 31 (General Expenses)	Head 35 (Creation of Capital Assets)	Total (Rs in lakhs)
Opening balance as on 01.04.2019	270.91	-1629.35	-205.88	-1564.32
Grant received during the FY 2018-19	900.00	1282.75	5700.00	7882.75
Interest Earned from Grant	3.8	4.16	16.82	26.58
Total Funds Available	1174.71	-342.44	5512.74	6345.01



Out of the total available funds, an amount of Rs. 7396.84 lakh has been utilized in different heads as follows:

Particulars	Head 36 (Salary)	Head 31 ( General Expenses)	Head 35 (Creation of Capital Assets)	Total (Rs in lakhs)
Grant Available	1174.71	-342.44	5512.74	6345.01
Expenditure incurred	1496.04	1876.49	4024.31	7396.84
Balance funds as on 31.03.2019	-321.33	-2218.93	1488.43	-1051.83

3. The opening balance of Institute corpus was Rs. 2260.93 lakhs and Rs.1183.74 lakhs were added from the internal incomes. Out of which Rs.910.69 lakhs loan was given to the Institute for meeting Salary and General Expenses. The closing balance of the Institute's Internal Corpus as on 31.03.2019 was Rs.2533.71 lakhs.

## INFRASTRUCTURE

The Institute has made consistent efforts in building its infrastructure to cater to the needs as per its envisaged plans for better amenities. Various new buildings i.e. Administrative Block, PG Hostel (Phase – I), Library cum Computer Centre, Substation have been occupied and has become operational.

This year has been a year of achievements and the Institute has progressed with great strides in every area of its activity with sync with its mission, vision and values for which it stands for.

(S G Deshmukh)  
Officiating Director





## THE INSTITUTE

### Brief Historical Background

Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design & Manufacturing (PDPM IIITDM ) Jabalpur was established by the Ministry of Human Resource Development, Government of India on January 24, 2005 under Madhya Pradesh Society Registration Act 1973. The foundation stone of the Institute was laid by Late Shri Arjun Singh, the then Minister of Human Resource Development (MHRD) on February 7, 2005. The first academic session of PDPM IIITDM Jabalpur started from August, 2005. The Institute started operating from the temporary location at the IT Bhawan of Jabalpur Engineering College. Prof Sanjay G. Dhande, Director, IIT Kanpur was given the additional charge as the Director of the Institute. Simultaneously, efforts were on to find suitable land where the campus of the new Institute could be developed. On May 3, 2006 a land of 250 acres near Dumna Airport of Jabalpur was identified by the State Government of M.P. and was handed over to the Institute. Construction work of Phase I buildings was started in 2007.

### Vision

PDPM Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Jabalpur shall emerge as a Global Knowledge Hub for quality research and teaching under the broad area of Design and Manufacturing through cross disciplinary, innovative, futuristic and dynamic approaches.

### Mission

To create an environment of high quality research and training that:

- Provides maximal opportunities for intellectual and creative development.
- Provides exposure to solve real life problems through interdisciplinary approaches.
- Encourages students to learn through inquiry and hands on experience rather than simple transmission of knowledge through class room teaching.

### Values

Besides continuing its ongoing activities, the Institute seeks to act in a manner that is guided by a deeprooted sense of shared values and aspirations for its future planning. Working under such a sound frame of reference, the Institute:

- a. Seeks to establish and maintain an environment enabling academic community to take intellectual and creative risks and to embrace changes that will lead to the technological innovations and development in future years.
- b. Encourages, recognizes and rewards high performance in learning, teaching, scholarship, research and other creative activities by promoting intellectual curiosity and protecting the basic principles of academic freedom.
- c. Provides an environment that imbibes respect for nature and environment, culture and human values.
- d. Aspires to build an environment of tolerance and reasoned debate without any gender, caste, religious, regional or cross country bias by affirming the worth and personal dignity of every constituent member of the Institute and by contributing to a campus climate of civility.





**INSTITUTE AT A GLANCE**

No. of Faculty	57			
No. of Officers	10 (07- Administrative Officers, 03 - Technical Officers)			
No. of Support Staff	43			
No. of Students	UG- 1179, Masters- 191, Ph.D. – 119, Total - 1482			
Academic Programmes	<ol style="list-style-type: none"> <li>1. B.Tech -Computer Science and Engineering</li> <li>2. B.Tech -Electronics and Communication Engineering</li> <li>3. B.Tech -Mechanical Engineering</li> <li>4. B.Des-Design</li> <li>5. M.Tech-Computer Science and Engineering</li> <li>6. M.Tech-Electronics and Communication Engineering</li> <li>7. M.Tech -Mechanical Engineering</li> <li>8. M.Tech- Mechatronics Engineering</li> <li>9. M.Des-Design</li> <li>10. Ph.D- Computer Science and Engineering</li> <li>11. Ph.D- Electronics and Communication Engineering</li> <li>12. Ph.D- Mechanical Engineering</li> <li>13. Ph.D- Design</li> <li>14. Ph.D-NS(Mathematics)</li> <li>15. Ph.D-NS(Physics)</li> <li>16. Ph.D-NS(English)</li> </ol>			
Campus	1000000 Sqm			
Constructed buildings (Plinth Area)	88371 Sqm			
Building under construction (Plinth Area)	38365 Sqm			
	Major Occupied Buildings	3 Hostels ( capacity 1400) 1 Mess and Dining Hall 1 Visitors' Hostel 1 Primary Health Centre 1 Lecture Hall and Tutorial Complex 1 Core Lab Complex + Workshop Annexe 1 Narmada Residency – II (55 Nos. 2BHK Flats) 2 Type V Quarters 1 Security Barrack Administrative Block PG Hostel (Phase – I) Library cum Computer Centre Substation		
	Students' Activity Centres	1 Basket Ball Court (Indoor) 1 Lawn Tennis Court 1 Volley Ball Ground 1 Common Play Field + 400 mtrs track. 1 Students Activity Centre - Under construction building		
Income ( 2018-19) Rs. In Lakh	Grant in Aid	Unspent balance of FY 2017-18		
	7909.34	270.91/-1835.23		
Expenditure ( 2018-19) Rs. In Lakh	Capital (Head 35)	General (Head 31)	Salary (Head 36)	Total
	4024.31	1876.49	1496.04	7396.84



## GOVERNANCE

**Administration and Governance:** The Institute is now governed under the IIT Act 2014. Under the said Act the following are the Administrative Authorities of the Institute:

- Board of Governors (BOG)
- Finance Committee (FC)
- Senate
- Building & Works Committee (BWC)

### Board of Governors

Name of Member	Designation
Prof S G Deshmukh Officiating Director PDPM IIITDM Jabalpur	Acting Chairman (01-04-2018 to 17-02-2019)
Shri Deepak Ghaisas Chairman Gencoal Strategic Services Pvt. Ltd.	Chairman (18-02-2019 onwards)
Prof Sudhir K Jain Director IIT Gandhinagar	Member (01-04-2018 to 09-03-2019)
Prof R V Rajakumar Director IIT Bhubaneswar	Member (10-03-2019 onwards)
Dr B K Murthy Scientist 'G' Dept. of Electronics & Information Technology Govt. of India	Member (01-04-2018 to 09-03-2019)
Dr Jaideep Kumar Mishra Joint Secretary and Group Coordinator Ministry of Electronics & Information Technology	Member (10-03-2019 onwards)
Shri Prashant Agrawal Director (IITs/IIITs) MHRD, Govt. of India	Member (Ex-officio)(01-04-2018 to 09-03-2019)



**Name of Member**

**Designation**

Shri Sukhbir Singh Sandhu  
AS (TE)  
MHRD, Govt. of India

Member (Ex-officio) (10-03-2019 onwards)

Shri Mohd. Suleman (IAS)  
Secretary  
Dept. of IT, Govt. of MP

Member (Ex-officio) (01-04-2018 to 09-03-2019)

Shri Manish Rastogi (IAS)  
Secretary  
Dept. of IT, Govt. of MP

Member (Ex-officio) (10-03-2019 onwards)

Prof S G Deshmukh  
Officiating Director  
PDPM-IIITDM Jabalpur

Member (Ex-officio)

Prof Janat Shah  
Director  
IIM Udaipur

Member (01-04-2018 to 09-03-2019)

Prof Shailendra Singh  
Director  
IIM Ranchi

Member (10-03-2019 onwards)

Ms. Atreyee Borooah Thekedath  
Founder Director  
Web.com (india) Pvt. Ltd.

Member (10-03-2019 onwards)

Shri Prashant Pole  
Director  
Disha Consultants, Jabalpur

Member (10-03-2019 onwards)

Shri Subrahmanya S V  
Former VC  
Infosys Ltd. Bengaluru

Member (10-03-2019 onwards)

Smt. Swapnali D Gadekar  
Acting Registrar  
PDPM IIITDM, Jabalpur

Secretary (Ex-officio)

No meeting was held during the year 2018-19.



### Finance Committee

#### **Name of Member**

#### **Designation**

Prof S G Deshmukh  
Officiating Director  
PDPM IIITDM Jabalpur

Acting Chairman (Ex-officio) (01-04-2018 to 17-02-2019)

Shri Deepak Ghaisas  
Chairman  
Gencoal Strategic Services Pvt. Ltd.

Chairman (Ex-officio)(18-02-2019 onwards)

Prof S G Deshmukh  
Officiating Director  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Shri Prashant Agrawal  
Director  
(IITs/IIITs)  
MHRD, Govt. of India

Member (Ex-officio)(01-04-2018 to 09-03-2019)

Shri Sukhbir Singh Sandhu  
AS (TE)  
MHRD, Govt. of India

Member (Ex-officio) (10-03-2019 onwards)

Shri Munish Malik  
Finance Officer  
IIT Kanpur

Member (01-04-2018 to 15-06-2018)

Smt. Swapnali D Gadekar  
Acting Registrar  
PDPM IIITDM Jabalpur

Secretary (Ex-officio)

No meeting was held during the year 2018-19.



Building and Works Committee

Name of Member	Designation
Prof S G Deshmukh Officiating Director PDPM IIITDM Jabalpur	Acting Chairman
Shri Atul Kumar Pandey Project Engineer-cum-Estate Officer IIT Indore	Member
Shri Ajay Singh Chief Engineer DRDO New Delhi	Member
Shri Anil Kumar Pandey SE (Electrical) MPPKVVCL Jabalpur	Member
Prof P N Kondekar Dean (P&D) PDPM IIITDM Jabalpur	Member
Smt. Swapnali D Gadekar Acting Registrar& OIC (Estate) PDPM IIITDM Jabalpur	Secretary (Ex-officio)

No meeting was held during the year 2018-19.



**Senate**

**Name of Member**

**Designation**

Prof S G Deshmukh  
Officiating Director  
PDPM IIITDM Jabalpur

Acting Chairman (Ex-officio)

Prof Puneet Tandon  
Dean (RSPC)  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Prof P N Kondekar  
Dean (P&D)  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Dr Prashant K Jain  
Dean (Students)  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Dr Prabin Kumar Padhy  
Dean (Academic)  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Prof Vijay Kumar Gupta  
Head, ME Discipline  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Dr Dinesh Kumar Vishwakarma  
Head, ECE Discipline  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Dr Prabir Mukhopadhyay  
Head, Design Discipline  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Dr Pritee Khanna  
Head, CSE Discipline  
PDPM IIITDM Jabalpur

Member (Ex-officio)

Dr Subir Singh Lamba  
Head, NS Discipline  
PDPM IIITDM Jabalpur

Member (Ex-officio)



<b>Name of Member</b>	<b>Designation</b>
Prof Aparajita Ojha PDPM IIITDM Jabalpur	Member
Prof Tanuja Sheorey PDPM IIITDM Jabalpur	Member
Prof V M Gadre IIT Bombay	Member
Prof PVM Rao IIT Delhi	Member
Prof Amitabha Mukherjee IIT Kanpur	Member
Shri Debanik Roy BARC Mumbai	Member
Dr S C Bose (CEERI), Pilani, Rajasthan	Member
Smt. Swapnali D Gadekar Acting Registrar PDPM IIITDM Jabalpur	Secretary (Ex-officio)

One meeting of the Senate was held during 2018-19.



### **Various Standing Committees of the Senate:**

#### **Students Advisory Committee of the Senate (SACS)**

Dr Prashant K Jain, Dean Students (Convener)  
Prof P N Kondekar (Head, Counseling Service)  
Dr Deepmala (Warden, Hall 1)  
Dr Matadeen Bansal (Warden, Hall 3)  
Dr Shivdayal Patel (Warden Hall 4)  
Dr Pavan Kankar (Faculty Member other than Warden)  
Mr. Rishabh Dev Yadav (Representative of Counselling Service)  
Roll No. 2015208, B. Tech (ME)  
Mr. Abhijeet Pathak (Representative of Counselling Service)  
Roll No. 1510291, PhD. (ECE)

#### **Scholarship and Prize Award Committee of the Senate (SPACS)**

Dr Subir Singh Lamba (Convener)  
Dr Sujoy Mukherjee (Member)  
Dr Sunil Agrawal (Member)  
Dr Prabir Mukhopadhyay (Member)  
Dr Pavan Kankar (Member)

#### **Academic Programme Committee of Senate (APCS)**

Dr Prabin Kumar Padhy (Convener)  
Dr Atul Gupta  
Dr Bhupendra Gupta  
Dr M Z Ansari  
Dr Matadeen Bansal  
Dr Sangeeta Pandit

#### **Other Committee**

##### **Institute Library Committee**

Dr L K Balyan [Faculty in Charge (Library)]  
Dr Ayan Seal [Member (CSE)]  
Dr M Amarnath [Member (ME)]  
Dr Dheeraj Sharma [Member (ECE)]  
Dr Sangeeta Pandit [Member (Design)]  
Dr N K Jaiswal [Member (NS)]







## ACADEMIC/ADMINISTRATION

### FACULTY

The main strength of an academic institution is its faculty who shape the young minds to be great achievers and help them in their quest to be the best. The Institute has a strong faculty base who are Ph.Ds. from reputed institutes in India and abroad. Apart from the regular faculty and Technical Officers the Institute is also visited by guest faculty from India and abroad to impart education in the contemporary and new emerging fields of technology and science which impacts the day to day lives of the common citizen. The list of the faculty is given below:

### PROFESSORS

	<b>Name and Designation</b>	<b>Professional Details</b>	<b>Areas of interest &amp; Specialization</b>
	Prof S G Deshmukh Acting Director	PhD from IIT Bombay	SCM, Quality & Enterprise Information System
	Prof Aparajita Ojha Professor	PhD from RDVV Jabalpur	CAGD, Finite Elements, Spline Theory, Approximation Theory, Wavelet Analysis
	Prof Puneet Tandon Professor	PhD from IIT Kanpur	Computer Aided Design, Computer Aided Manufacturing, Rapid Prototyping & Tooling Technologies, Reverse Engineering, Product Innovation, Design and Development



Prof. Tanuja Sheorey  
Professor

PhD from IIT  
Kanpur

CFD, Algorithm  
Development, Parallel  
Computation.



Prof. Vijay Kumar Gupta  
Professor

PhD from IIT  
Bombay

Mechanical Engineering  
(Design)



Prof. P N Kondekar  
Professor

PhD from IIT  
Bombay

Microelectronics, VLSI-CMOS  
level design, Nano electronics  
devices and Semiconductor  
power devices, technology for  
Education

#### ASSOCIATE PROFESSORS



Dr. Pritee Khanna  
Associate Professor

PhD from  
Kurukshetra  
University

Computer Graphics, DBMS,  
Data Structures, Algorithms,  
Computer Enabled Product  
Design



Dr. Atul Gupta  
Associate Professor

PhD from IIT  
Kanpur

Software Engineering



Dr. Prabin Kumar Padhy  
Associate Professor

PhD from IIT  
Guwahati

Control Systems



Dr. Sunil Agarwal  
Associate Professor

PhD from IIT  
Kanpur

Industrial Engineering



Dr. Prashant Kumar Jain  
Associate Professor

PhD from IIT Delhi

Rapid Prototyping & Tooling,  
CNC machining, Geometric  
Modeling, CAD/CAM  
Integration, Computational  
Geometry, Nano  
Technologies in  
Manufacturing



Dr. Goutam Dutta  
Associate Professor

PhD from IIT  
Bombay

Thermal and Fluid  
Engineering (Mechanical)



Dr. Dinesh Kumar  
Vishwakarma  
Associate Professor

PhD from IISc  
Bangalore

Electromagnetics, Antennas,  
Microwave, Applied Photonics,  
Photonic crystals and Optical  
Communication



Dr. Prabir Mukhopadhyay  
Associate Professor

PhD from  
University of  
Limerick,  
Ireland

Ergonomics



Dr. Asish Kumar Kundu  
Associate Professor

PhD from JNCASR  
Deemed University

Solid State Physics



**ASSISTANT PROFESSORS**



Dr Subir Singh Lamba  
Assistant Professor  
(Grade I)

PhD from IIT Kanpur

Parallel Computing, Spectral  
Method and CFD



Dr Mukesh Kumar Roy  
Assistant Professor  
(Grade I)

PhD from IIT  
Kanpur

Nuclear Physics  
Technique, Material  
Science



Dr Bhupendra Gupta  
Assistant Professor  
(Grade I)

PhD from IIT Kanpur

Probability Theory



Dr H Chelladurai  
Assistant Professor  
(Grade I)

PhD from IIT  
Kanpur

Design & Manufacturing



Dr M Amarnath  
Assistant Professor  
(Grade I)

PhD from IIT  
Madras

Condition based maintenance,  
Tribology



Dr Lokendra K Balyan  
Assistant Professor  
(Grade I)

PhD from IIT  
Kanpur

Spectral Methods, High  
Performance Computing, Elliptic  
Partial Differential Equations



Dr. Anil Kumar  
Assistant Professor  
(Grade I)

PhD from IIT  
Roorkee

Multirate signal processing



Dr. Sraban Kumar  
Mohanty  
Assistant Professor  
(Grade I)

PhD from IIT  
Guwahati

I/O Efficient algorithms for  
Matrix Computations



Dr. Mamta Anand  
Assistant Professor  
(Grade I)

PhD from Banasthali  
University

Transcendentalism and  
Spiritualism in English Literature



Dr. Pavan Kumar Kankar  
Assistant Professor  
(Grade I)

Ph.D from IIT  
Roorkee

Vibration Based Condition  
Monitoring



Dr. Nihar Ranjan Jena  
Assistant Professor  
(Grade I)

PhD from Banaras  
Hindu University

Molecular modelling of  
structures and interactions of  
biomolecules, complexes and  
clusters



Dr. Sujoy Mukherjee  
Assistant Professor  
(Grade I)

PhD from IISc  
Bangalore

Smart Materials and Structures,  
Structural Dynamics,  
Aeroelasticity, Flapping Wing  
MAV



Dr. Amresh Chandra  
Mishra  
Assistant Professor  
(Grade I)

PhD from IIT  
Kharagpur

Electrodeposited magnetic film  
coated wires for GMI (Giant  
magneto-impedance) sensor  
applications



Dr. Manoj Kumar Parihar  
Assistant Professor  
(Grade I)

PhD from IIT Delhi

Reconfigurable Printed  
Circuits



Dr. Sachin Kumar Jain  
Assistant Professor  
(Grade I)

PhD from IIT Kanpur

Power Quality



Dr. Vinod Kumar Jain  
Assistant Professor  
(Grade I)

PhD from ABV-IIITM  
Gwalior

Location Estimation in  
Indoor Wireless Networks



Dr. Matadeen Bansal  
Assistant Professor  
(Grade I)

PhD from ABV-IIITM  
Gwalior

Wireless Communications  
& Networking



Dr. Nihar Kumar Mahato  
Assistant Professor  
(Grade I)

PhD from IIT  
Kharagpur

Applied Functional Analysis  
and optimization





Dr Manoj Kumar Panda  
Assistant Professor  
(Grade II)

PhD from IIT Kanpur

Mathematical Modelling of  
Bio- Fluid Dynamics  
(Phototactic  
bioconvection), CFD,  
Hydrodynamic Instability



Dr Neeraj Kumar Jaiswal  
Assistant Professor  
(Grade I)

PhD from ABV-IIITM  
Gwalior

Applied Physics



Dr Varun Bajaj  
Assistant Professor  
(Grade I)

PhD From IIT Indore

Applied Signal Processing



Dr Manish Kumar Bajpai  
Assistant Professor  
(Grade II)

PhD from IIT Kanpur

Parallel Algorithms, Image  
Reconstruction



Dr Mohd Zahid Ansari  
Assistant Professor  
(Grade I)

PhD from Inha  
University, Korea

MEMS, Biosensor,  
Mechanical Design,  
Optimization



Dr Sangeeta Pandit  
Assistant Professor  
(Grade II)

PhD from IIT  
Guwahati

Design Ergonomics



Dr Ayan Seal  
Assistant Professor  
(Grade II)

PhD from Jadavpur  
University

Thermal Face Recognition  
for Biometric security  
System (Image Processing  
and Computer Vision)



Dr Biswajeet Mukherjee  
Assistant Professor  
(Grade II)

PhD from IIT  
Bombay

Microwave and Antenna  
Engineering



Dr Dheeraj Sharma  
Assistant Professor  
(Grade I)

PhD from IIT Indore

Modeling and analysis of  
quadruple and cyclindrical  
gate gate-all around  
MOSFETs



Dr Kusum Kumari Bharti  
Assistant Professor  
(Grade II)

PhD from ABV-  
Indian Institute of  
Information  
Technology  
Management,  
Gwalior

Text Clustering



Dr Deepmala  
Assistant Professor  
(Grade II)

PhD from Pt.  
Ravishankar Shukla  
University, Raipur

Fixed Point theory and  
Applications, Dynamic  
Programming, Integral  
Equations, Nonlinear  
Analysis



Dr Yashpal Singh  
Katharria  
Assistant Professor  
(Grade I)

PhD from Jawaharlal  
Nehru University/  
Inter-University  
Accelerator Centre,  
New Delhi

Experimental Condensed  
Matter Physics





Dr. Shekhar Chatterjee  
Assistant Professor  
(Grade II)

PhD from Gujarat  
University

Indian Culture/ Arts,  
Design, Aesthetic and  
Visual Culture



Dr. Dip Prakash Samajdar  
Assistant Professor  
(Grade II)

PhD from University  
of Calcutta

Electronic Science  
(Material Science)



Dr. Harpreet Singh  
Assistant Professor  
(Grade II)

PhD from IIT  
Roorkee

Manufacturing



Dr. Atul Kumar  
Assistant Professor  
(Grade II)

PhD from IIT  
Guwahati

Chaotic Communication,  
Wireless Communication



Dr. Shiv Dayal Patel  
Assistant Professor  
(Grade II)

PhD from IIT Delhi

Progressive Damage  
Modelling, Composites,  
Stochastic Finite element  
Analysis, Impacts,  
Probabilistic Design,  
Sensitivity based Design  
Optimization



Dr. Saurabh Pratap  
Assistant Professor  
(Grade II)

PhD from IIT  
Kharagpur

Maritime Logistics



Dr Mohana Ghosh  
Assistant Professor  
(Grade II)  
(Upto 17-05-2018)

PhD from IIIT Delhi

Cryptography



Dr Irshad Ahmad Ansari  
Assistant Professor  
(Grade II)

PhD from IIT  
Roorkee

Image Processing



Dr Trivesh Kumar  
Assistant Professor  
(Grade II)

PhD from IIT Kanpur

RF, Microwave and  
Antennas



Dr Tripti Singh  
Assistant Professor  
(Grade II)

PhD from Banasthali  
University

Digital Art Topic  
"Indian Digital Art in  
Contemporary World-A  
Critical Survey"



Dr Ravi Panwar  
Assistant Professor  
(Grade II)

PhD from IIT  
Roorkee

Broadband Radar  
Absorbing Materials Using  
Fractal Frequency Selective  
Surface (FSS) for Stealth  
application.



Dr Himansu Sekhar  
Nanda  
Assistant Professor  
(Grade II)

PhD from National  
Institute for  
Materials Science,  
Japan (Degree  
awarded from  
University of  
Tsukuba, Japan)

Advanced Health Care  
Material Manufacturing  
(scaffold based  
biomaterials for tissue  
engineering and Drug  
delivery)



### TECHNICAL OFFICERS



Mr. Awadhesh Kumar  
Singh  
Technical Officer

ME From Asian Institute  
of Technology, Thailand

Mechatronics



Dr. K K Soundra Pandian  
Technical Officer

PhD from IIT Patna

Electronics &  
Communication



Mr. D S Ramteke  
Technical Officer

Pursuing PhD from IIT  
Indore

Machine Design



Mr. Mohd Sharique  
Husain  
Technical Officer  
(Upto 31-07-2018)

BE from RGPV Bhopal



## OFFICE ADMINISTRATION

### GROUP 'A' OFFICERS



Shri R P Dwivedi  
MCA, MPM, LLB

**Joint Registrar (On Lien)**



Ms Swapnali D. Gadekar  
MBA

**Acting Registrar  
Deputy Registrar**  
Finance and Accounts  
Purchase and Store  
Secretary (BOG)  
First Appellate Authority (RTI)



Shri Vijay Kumar Dubey  
Civil Engineering, MBA

**Executive Engineer (Civil)**



Shri Naresh Joshi  
MSc

**Assistant Registrar (on lien)**



Shri Rizwan Ahmed  
MSc

**Assistant Registrar**  
Academics  
Student Affairs  
Establishment



Shri Santosh Mahobia  
MBA

**Assistant Registrar**  
Internal Audit  
General Administration  
Official Language Officer



Ms. Menika Patel  
MLib

**Assistant Registrar**  
Library

## STAFF

### GROUP 'B' STAFF

Sl. No.	Name	Designation
1.	Shri R K Mishra	AE(Civil)
2.	Shri Sunil Jat	AE (Civil)
3.	Shri Ashok Kumar	Superintendent
4.	Shri Aloysius Beenu Michael	Jr. Superintendent
5.	Ms. Megha Kushwah	Jr. Superintendent
6.	Shri Sandeep Awasthi	Jr. Superintendent
7.	Shri Anil Kumar	Jr. Superintendent
8.	Shri Shailesh Sharma	Jr. Superintendent
9.	Shri Dev Krishna Jha	Jr. Superintendent



### GROUP 'C' STAFF

Sl. No.	Name	Designation
1.	Shri Praveen Armo	Sr. Assistant
2.	Smt. Sapna S Tayade	Sr. Assistant
3.	Shri Kamlesh S Warkade	Sr. Assistant
4.	Shri Jitendra Bahadur Singh	Sr. Assistant (on Contract)
5.	Shri Pankaj Prajapati	Sr. Assistant
6.	Shri Simanta kar Gupta	Sr. Assistant
7.	Shri Prashant Agnihotri	Sr. Assistant
8.	Shri Rajesh Kumar	Sr. Assistant
9.	Shri Adesh Kumar	Sr. Assistant
10.	Shri Akhilesh Shrivastava	Sr. Technician
11.	Shri Alok Kulkarni	Sr. Technician
12.	Smt. Bharti Kewat	Sr. Technician
13.	Shri Piyush Kumar Usrethe	Sr. Technician
14.	Shri Anup Bajpai	Sr. Technician
15.	Shri Ghanshyam Meshram	Sr. Technician
16.	Shri Mayur S. Mungole	Sr. Technician
17.	Shri Anupam Shukla	Sr. Technician
18.	Shri Varun Dubey	Sr. Technician
19.	Smt. Aayesha B. Mansoori	Sr. Technician
20.	Shri Ram Dularey Vishwakarma	Sr. Technician
21.	Shri Milind P. Bobde	Jr. Technician
22.	Shri Kanhaiya Lal Barmaiya	Jr. Assistant
23.	Shri Rajesh	Jr. Assistant
24.	Shri Abhishek Bawane	Jr. Assistant
25.	Shri Richard Saberio	Jr. Assistant
26.	Shri Rahul Kumar Deshmukh	Jr. Assistant
27.	Ms. Aishwarya Pradhan	Jr. Assistant
28.	Shri Nishant Karda	Jr. Assistant
29.	Shri Robinson George Markam	Jr. Technician
30.	Shri Anup kumar Gupta	Jr. Technician
31.	Shri Tabish Khan	Jr. Technician
32.	Shri Manoj Tigga	Jr. Technician
33.	Shri Mohd. Izrael Khan	Driver
34.	Shri Ganesh Prasad Kashyap	Driver



### Appointments/ Retirements/ Resignations

Members who left the IIITDMJ family during April 1, 2018 to March 31, 2019.

Sl. No.	Name	Designation	Date of Resignation
1.	Dr Mohana Ghosh	Assistant Professor (Grade II)	17-05-2018
2.	Mr. Mohd Sharique Husain	Technical Officer	31-07-2018



### **ACADEMIC & RESEARCH ACTIVITIES**

PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur was established by the MHRD, Govt. of India in the year 2005 with the primary objective of promoting quality education and training in IT enabled Design and Manufacturing. With a unique curriculum having emphasis on hands-on training and project based learning, the Institute stands out as a Centre of Higher Learning with a difference. Working across disciplines is the core component of our approach to education, research and development. The Institute has been identified as an Institute of National Importance under IIIT Act 2014.

Since its inception, PDPM IIITDM Jabalpur has been playing a vital role in producing quality human resource for inclusive and sustainable growth of Indian manufacturing industry. The Institute aims to set the standards in manufacturing education and research and produce competent and skilled manpower truly adept in information technology, design and manufacturing. Through industrial collaboration the Institute strives to foster the growth of Indian manufacturing sector by bringing up the next generation technologies, products and innovative manufacturing practices.

In essence PDPM IIITDM Jabalpur strengthens and enhances academic activities with the following aims and objectives-

#### **Aims**

- a) To propel R&D activities in Design and Manufacturing that become catalyst for devising innovative solutions to societal challenges.
- b) To increase cooperation between IIITDMJ and other academic institutions of higher learning in identified areas of mutual interests in the broad field of Design and Manufacturing.
- c) To create commercial opportunities and build sustainable partnership with Indian industry.

#### **Objectives**

- a) To intensify translational research on healthcare, security and consumer products for Indian and Asian markets.
- b) To focus on technologies for improving and diversifying the agricultural productivity of the country.
- c) To promote R&D activities on green energy systems and devices.
- d) To facilitate interdisciplinary design-focused education, mind to market research and entrepreneurial activities.
- e) To act as a hub for a meaningful collaboration and networking between academic partner institutions, design professionals and industry in a hub and spoke model.





## ACADEMIC PROGRAMMES

### **Under graduate Programmes:**

The Institute has a unique undergraduate curriculum for imparting education in the following disciplines of engineering:

- B.Tech-        Computer Science and Engineering (CSE)
- B.Tech-        Electronics and Communication Engineering (ECE)
- B.Tech-        Mechanical Engineering (ME)
- B.Des-         Design

### **Postgraduate Programmes:**

The Institute runs M.Tech, M.Des and Ph.D Programmes in the following discipline:

- M.Tech        -        Computer Science and Engineering (CSE)
- M.Tech        -        Electronics and Communication Engineering (ECE)
- M.Tech        -        Mechanical Engineering (ME)
- M.Des         -        Design
- Ph.D           -        Computer Science and Engineering (CSE)
- Ph.D           -        Electronics and Communication Engineering (ECE)
- Ph.D           -        Mechanical Engineering (ME)
- Ph.D           -        Design
- Ph.D           -        Natural Sciences (Mathematics)
- Ph.D           -        Natural Sciences (Physics)
- Ph.D           -        Natural Sciences (English)



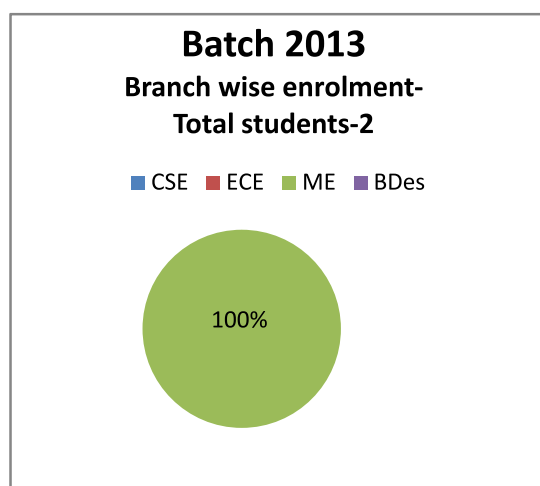
## ACADEMIC AND STUDENTS ENROLMENT

### Undergraduate Programmes

(I) B.Tech Programme- Students Enrolment

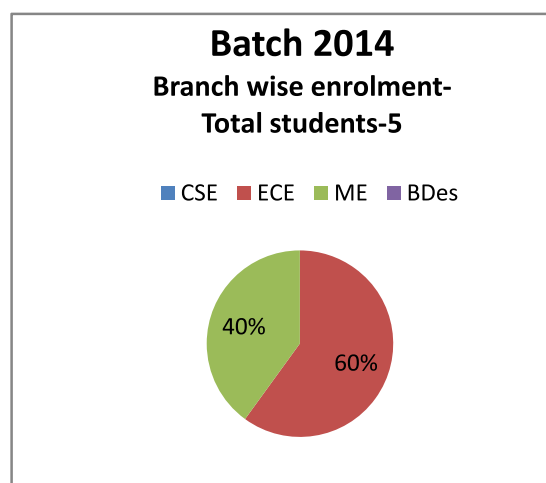
#### 2013 Batch

Branch	OP	OBC	SC	ST	Total
CSE	0	0	0	0	0
ECE	0	0	0	0	0
ME	1	0	1	0	2
BDes	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>



#### 2014 Batch

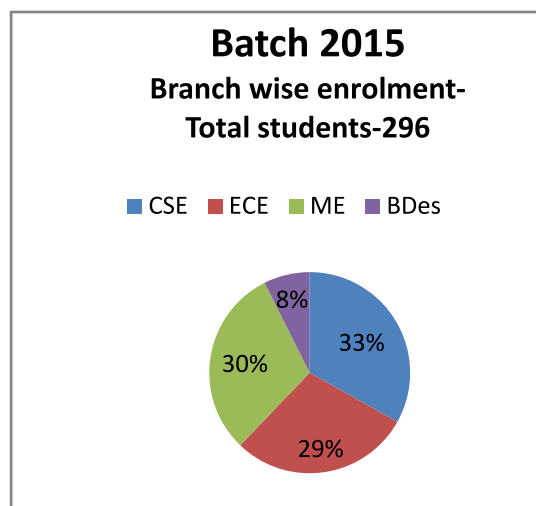
Branch	OP	OBC	SC	ST	Total
CSE	0	0	0	0	0
ECE	1	0	1	1	3
ME	0	0	2	0	2
BDes	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>5</b>





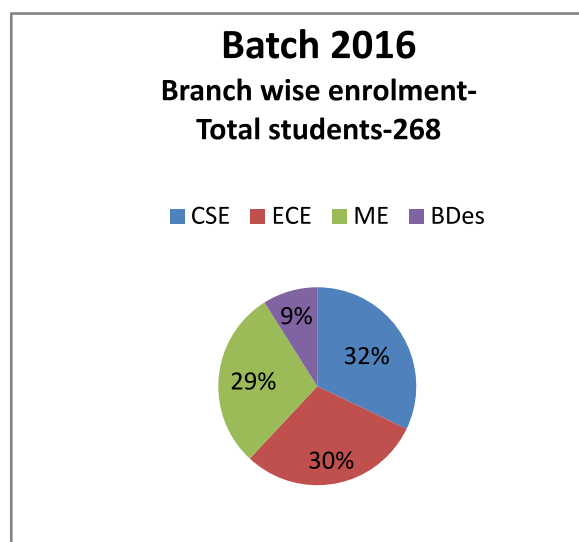
### 2015 Batch

Branch	OP	OBC	SC	ST	Total
CSE	47	29	15	7	98
ECE	39	26	14	7	86
ME	44	25	14	7	90
BDes	13	5	2	2	22
<b>Total</b>	<b>143</b>	<b>85</b>	<b>45</b>	<b>23</b>	<b>296</b>



### 2016 Batch

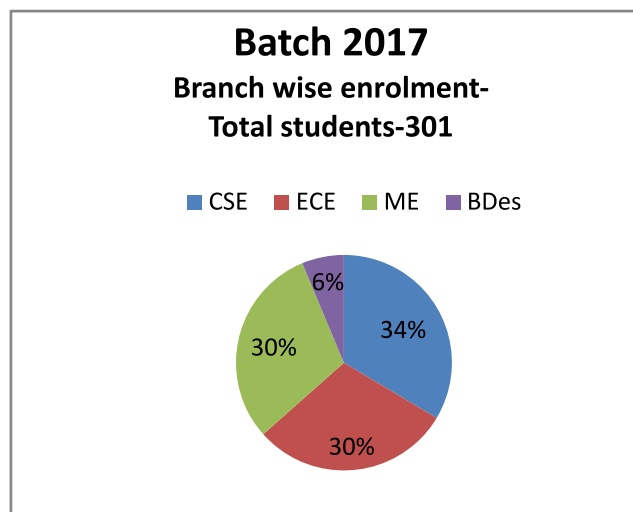
Branch	OP	OBC	SC	ST	Total
CSE	45	23	13	5	86
ECE	36	26	11	7	80
ME	40	20	11	7	78
BDes	11	6	5	2	24
<b>Total</b>	<b>132</b>	<b>75</b>	<b>40</b>	<b>21</b>	<b>268</b>





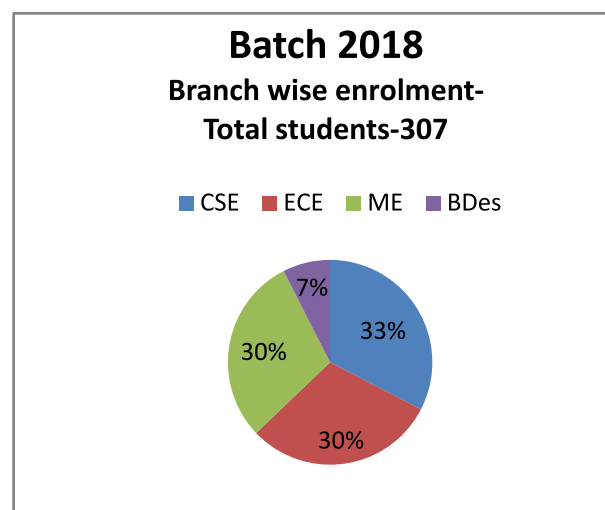
### 2017 Batch

Branch	OP	OBC	SC	ST	Total
CSE	51	28	15	7	101
ECE	44	25	14	7	90
ME	44	25	15	7	91
BDes	12	3	2	2	19
<b>Total</b>	<b>151</b>	<b>81</b>	<b>46</b>	<b>23</b>	<b>301</b>



### 2018 Batch

Branch	OP	OBC	SC	ST	Total
CSE	52	26	15	7	100
ECE	48	27	13	5	93
ME	38	31	14	8	91
BDes	13	6	2	2	23
<b>Total</b>	<b>151</b>	<b>90</b>	<b>44</b>	<b>22</b>	<b>307</b>





**(I) B.Tech Programme - Academic Performance Evaluation Committee Report**

**Undergraduate Semester II (2017-18)**

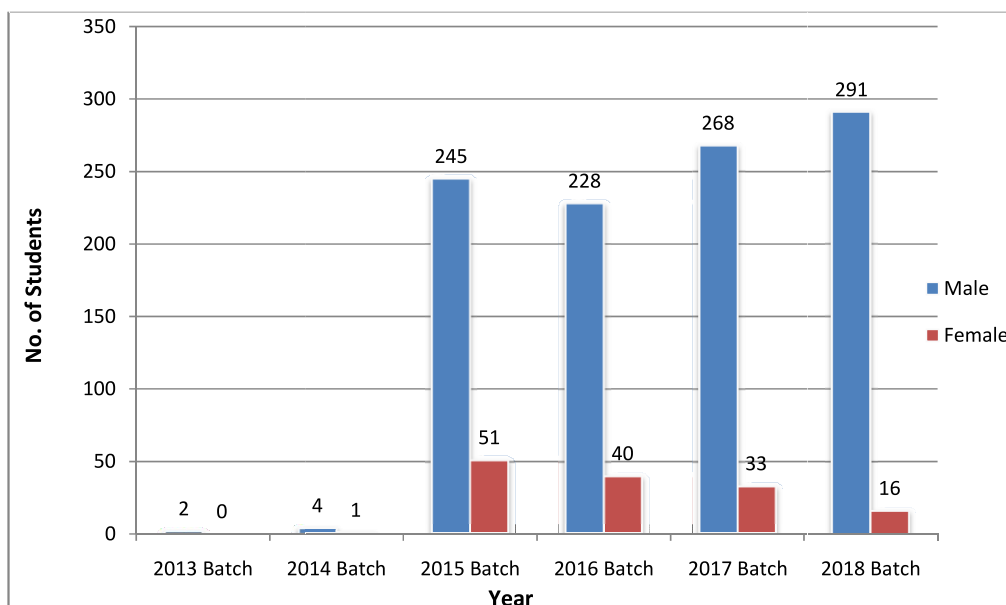
<b>Batch</b>	<b>No. of Students</b>	<b>No. of students Passed</b>	<b>No. of Students Terminated/Withdrawal</b>
2013	17	17	0
2014	248	248	0
2015	300	300	0
2016	289	287	2(withdrawal)
2017	302	301	1(withdrawal)

**Undergraduate Semester I (2018-19)**

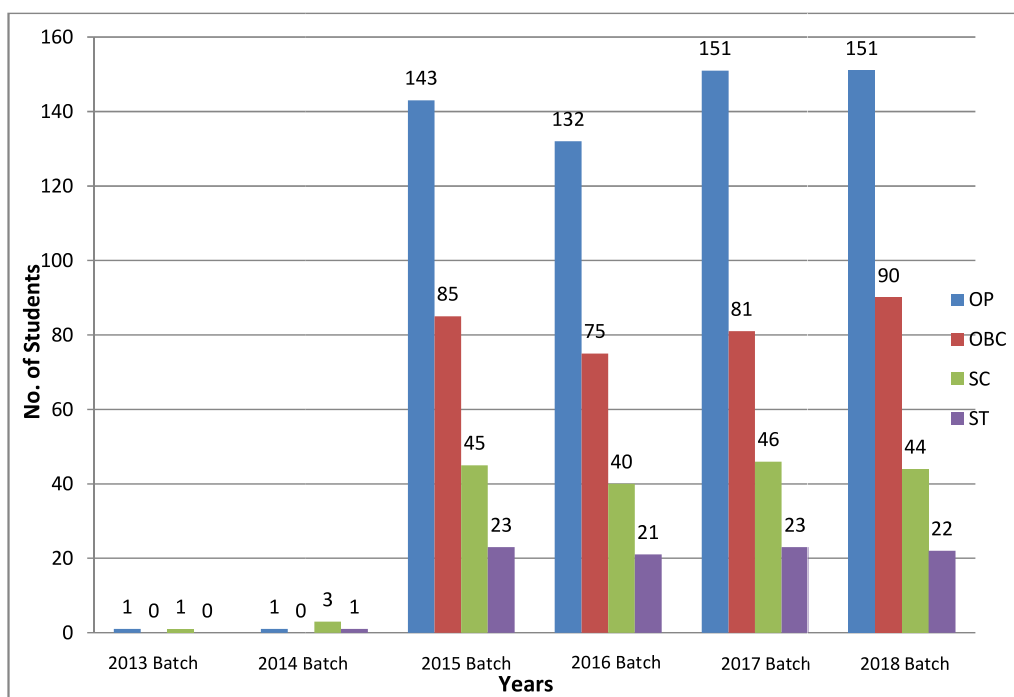
<b>Batch</b>	<b>No. of Register Students</b>	<b>No. of students Passed</b>	<b>No. of Students Terminated/Withdrawal</b>
2014	6	6	0
2015	300	300	0
2016	287	287	0
2017	301	301	1(Withdrawal)
2018	307	304	3(Withdrawal)



**(II) Graph Showing Status of Male and Female Students in the Under Graduate Programme.**



**(III) Graph Showing Status of Category wise Students in Under Graduate Programme**





### Postgraduate Programmes

**Institute offers Master's Degree Programme in:**

**(a) M.Tech**

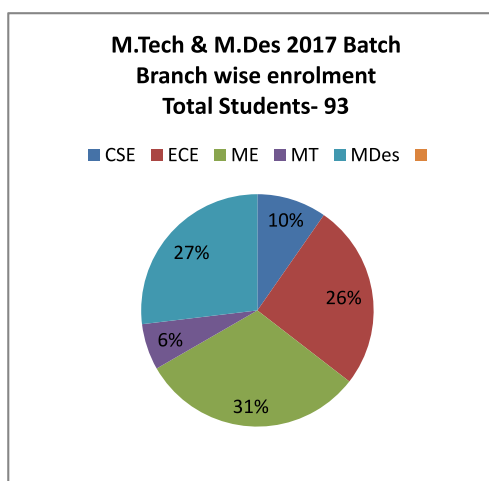
- (i) Computer Science & Engineering (CSE)
- (ii) Electronics & Communication Engineering (ECE)
- (iii) Mechanical Engineering (ME)
- (iv) Mechatronics

**(b) Master of Design (M.Des)**

**(I) Students Enrolment**

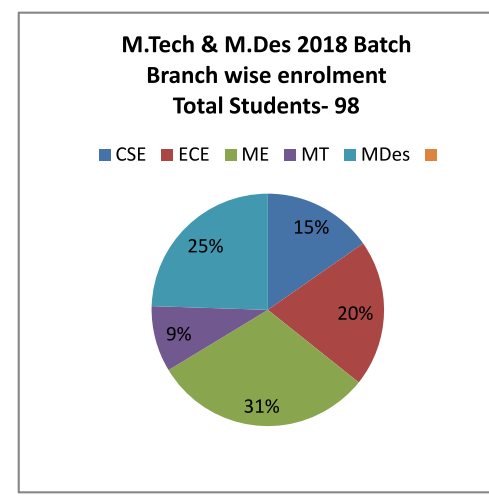
#### M.Tech & M.Des 2017 Batch

Branch	OP	OBC	SC	ST	Total
CSE	6	2	1	0	9
ECE	13	7	4	0	24
ME	11	13	5	0	29
MT	4	2	0	0	6
MDes	3	9	10	3	25
<b>Total</b>	<b>37</b>	<b>33</b>	<b>20</b>	<b>3</b>	<b>93</b>



#### M.Tech & M.Des 2018 Batch

Branch	OP	OBC	SC	ST	Total
CSE	6	5	4	0	15
ECE	9	7	4	0	20
ME	16	9	5	0	30
MT	4	3	1	1	9
MDes	10	7	6	1	24
<b>Total</b>	<b>45</b>	<b>31</b>	<b>20</b>	<b>2</b>	<b>98</b>





**(II) Post Graduate - Academic Performance Evaluation Committee Report  
Post Graduate Semester II (2017-18)**

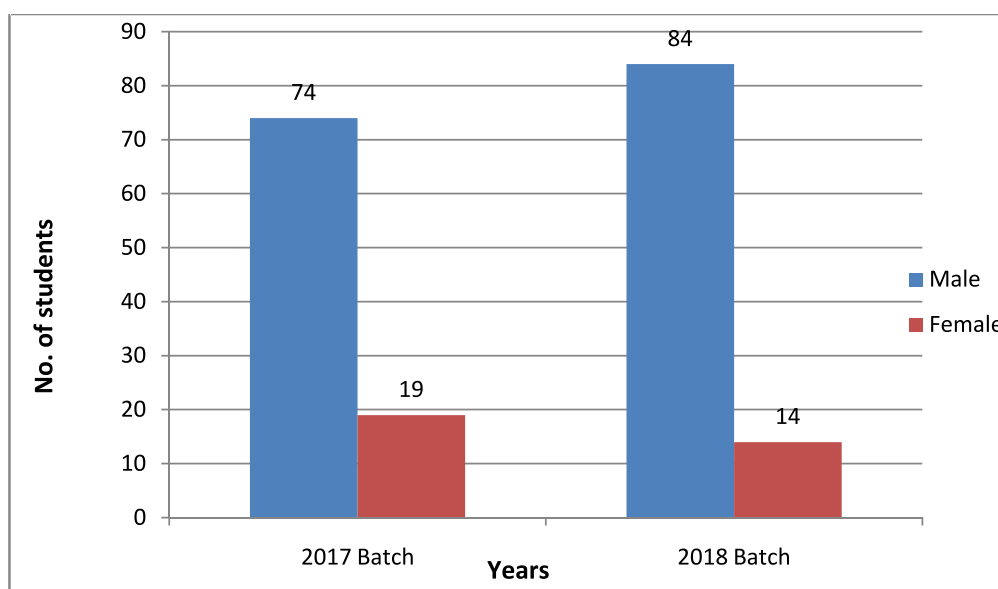
Batch	No of Student	No of Pass	No of Terminated/Withdrawal
2016	90	90	0
2017	99	95	4 (withdrawal)

**Post Graduate Semester I (2018-19)**

Batch	No of Student	No of Pass	No of Terminated/Withdrawal
2017	95	93	2 (withdrawal)
2018	98	98	0

**(III) Graph Showing Status of Male and Female Students in the post Graduate Programme.**

**Post Graduate Programme**

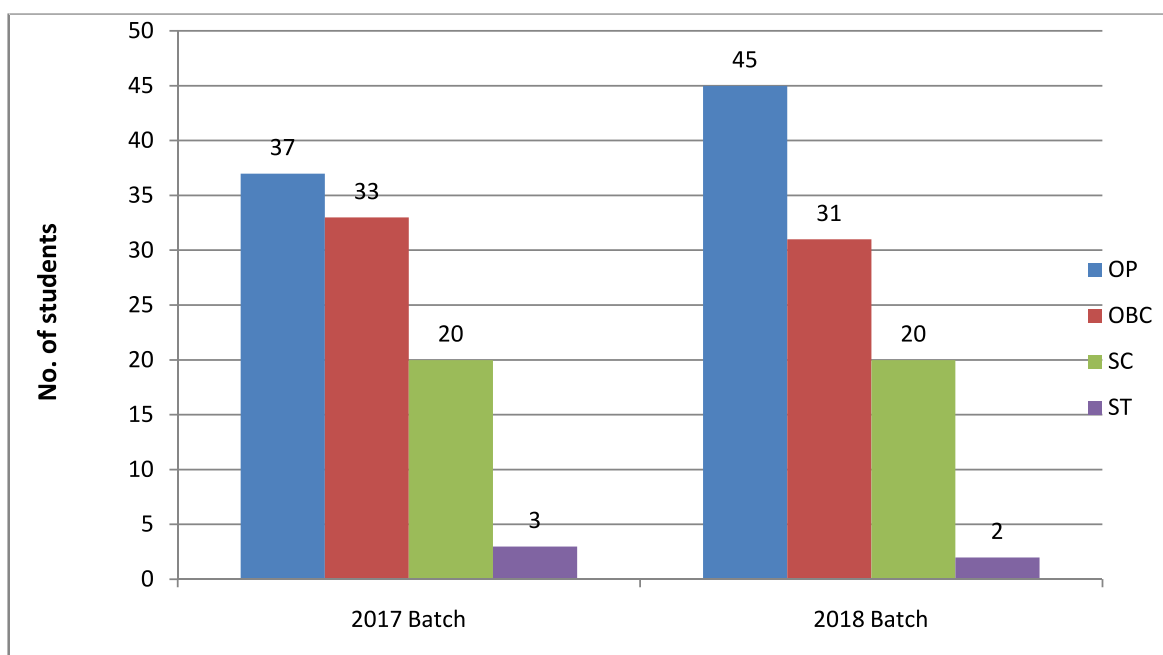






(IV) Graph Showing Status of Category wise Students in the post Graduate Programme.

Post Graduate Programme





## PH.D PROGRAMS

The Institute offers Ph.D in following disciplines

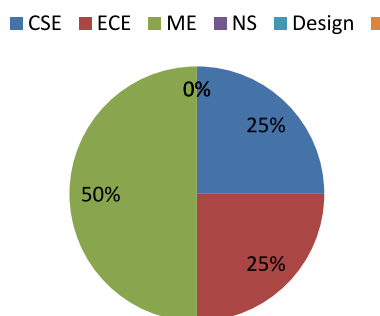
- (i) Computer Science & Engineering (CSE)
- (ii) Electronics & Communication Engineering (ECE)
- (iii) Mechanical Engineering (ME)
- (iv) Design
- (v) Natural Science (Physics and Mathematics)

### (I) Students Enrolment in Ph.D

#### PhD 2013 Batch

Branch	OP	OBC	SC	ST	Total
CSE	1	0	0	0	1
ECE	0	1	0	0	1
ME	1	1	0	0	2
NS	0	0	0	0	0
Design	0	0	0	0	0
<b>Total</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>4</b>

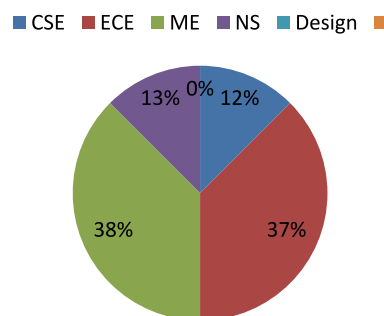
**PhD 2013 Batch**  
**Branch wise enrolment**  
**Total Students- 04**



#### PhD 2014 Batch

Branch	OP	OBC	SC	ST	Total
CSE	1	0	0	0	1
ECE	2	1	0	0	3
ME	1	2	0	0	3
NS	1	0	0	0	1
Design	0	0	0	0	0
<b>Total</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>8</b>

**PhD 2014 Batch**  
**Branch wise enrolment**  
**Total Students- 08**



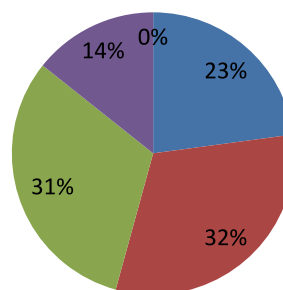


### PhD 2015 Batch

Branch	OP	OBC	SC	ST	Total
CSE	6	2	0	0	8
ECE	8	2	0	1	11
ME	5	3	3	0	11
NS	4	1	0	0	5
Design	0	0	0	0	0
<b>Total</b>	<b>23</b>	<b>8</b>	<b>3</b>	<b>1</b>	<b>35</b>

#### PhD 2015 Batch Branch wise enrolment Total Students- 35

■ CSE ■ ECE ■ ME ■ NS ■ Design ■

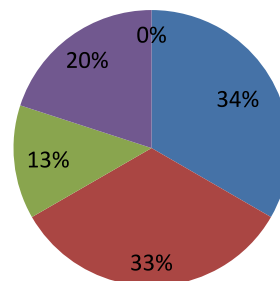


### PhD 2016 Batch

Branch	OP	OBC	SC	ST	Total
CSE	3	1	1	0	5
ECE	3	2	0	0	5
ME	2	0	0	0	2
NS	2	1	0	0	3
Design	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>15</b>

#### PhD 2016 Batch Branch wise enrolment Total Students- 15

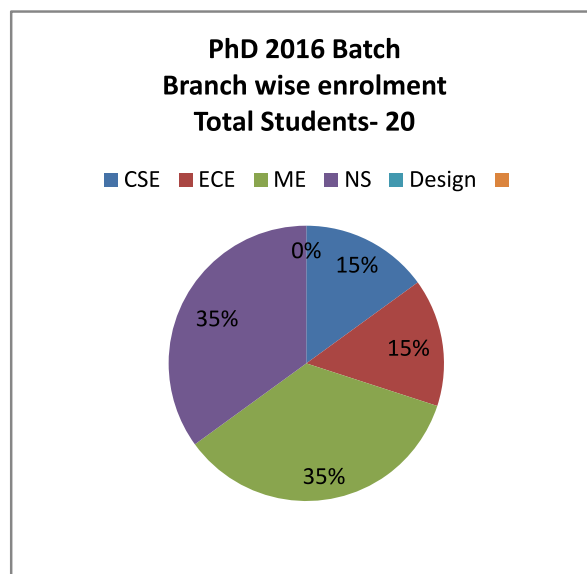
■ CSE ■ ECE ■ ME ■ NS ■ Design ■





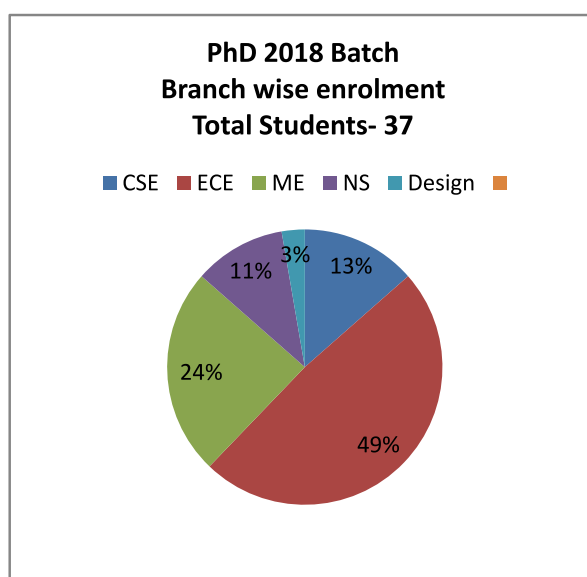
### PhD 2017 Batch

Branch	OP	OBC	SC	ST	Total
CSE	1	2	0	0	3
ECE	3	0	0	0	3
ME	3	2	2	0	7
NS	1	6	0	0	7
Design	0	0	0	0	0
<b>Total</b>	<b>8</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>20</b>



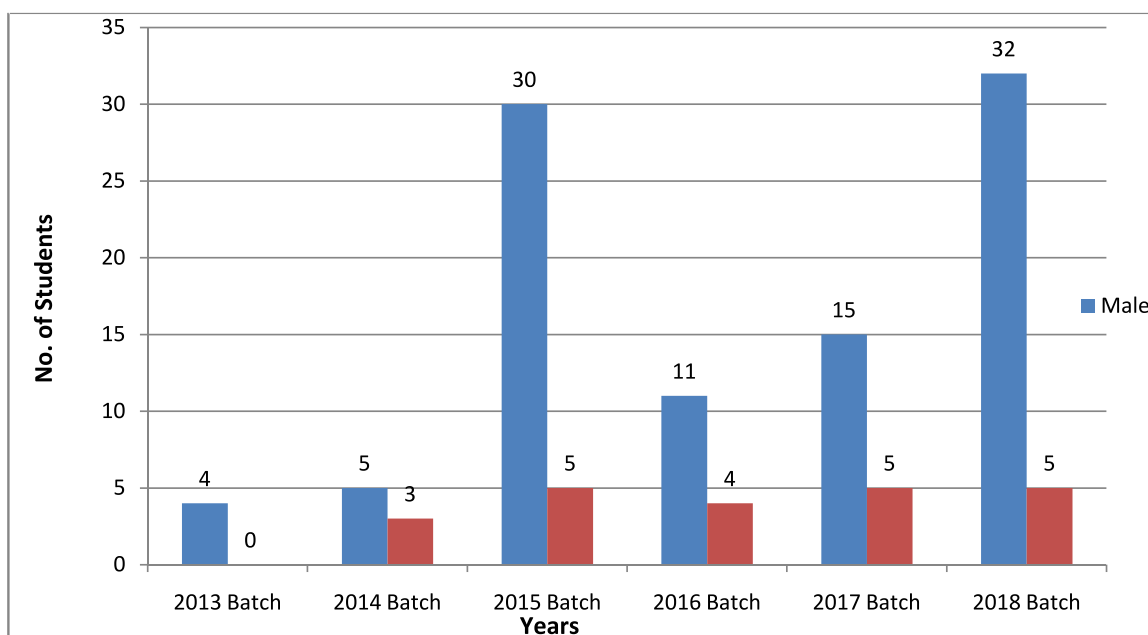
### PhD 2018 Batch

Branch	OP	OBC	SC	ST	Total
CSE	4	1	0	0	5
ECE	11	6	1	0	18
ME	5	2	2	0	9
NS	1	3	0	0	4
Design	1	0	0	0	1
<b>Total</b>	<b>22</b>	<b>12</b>	<b>3</b>	<b>0</b>	<b>37</b>

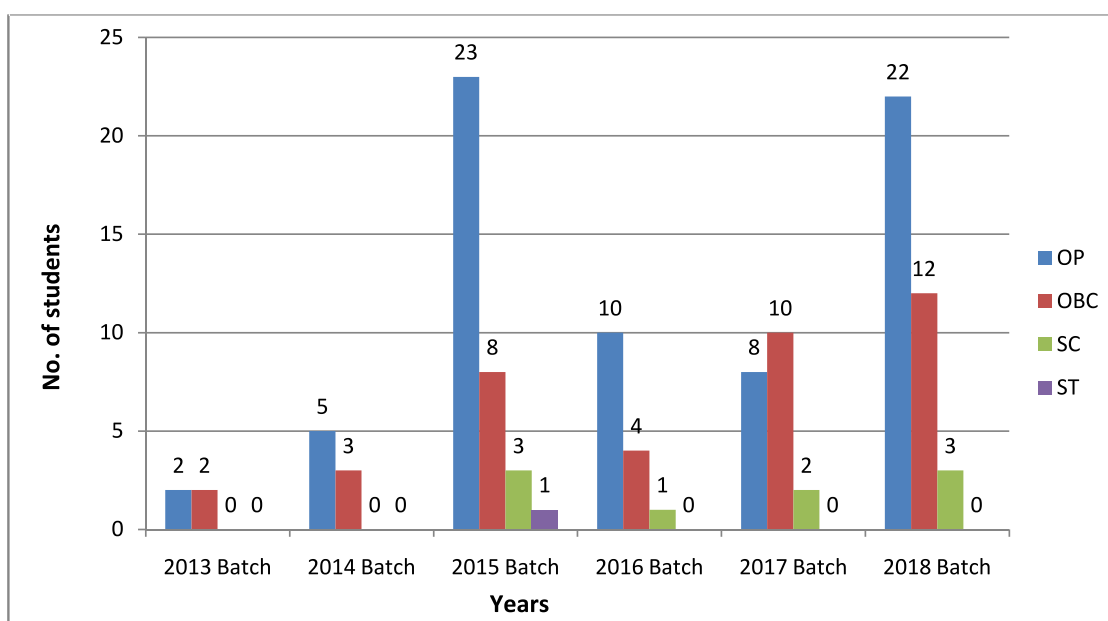




**(II) Graph Showing Status of Male and Female Students in the Ph.D Programme.**



**(III) Graph Showing Status of Category wise Students in the Ph.D Programme**





## PROJECTS

### (i) Institutional Projects

S. No.	Project Title	Duration	Investigator	Funding Agency	Total Sanctioned Amount in Rs. Lakh	Status
1.	Startup Centre, PDPM IIITDM Jabalpur	2016-19	Coordinators: Prof Puneet Tandon, Dr Sraban K Mohanty and Dr Sachin Kumar Jain	MHRD and DST, Govt. of India	150.00	On-Going
2.	Electronics & ICT Academy	2015-20	Chief Investigator: Prof Aprajita Ojha, Co - Chief Investigators: Prof V K Gupta, Prof P N Kondekar, Dr Atul Gupta, Dr P K Jain	Ministry of Communications and Information Technology, DeitY HRD Division	2500.00	On-Going
3.	National Initiative for setting up DIC Hub/Spoke Model	2016-20	Coordinators: Prof Tanuja Sheorey and Dr Atul Gupta	MHRD, Govt. of India through RDVV JABALPUR	100.00	On-Going
4.	Special Manpower Development Programme for Chips to System Design	2015-19	PI: Prof P N Kondekar, Co PI's: Dr Jawar Singh & Dr Dheeraj Sharma	CEERI	34.20	On-Going
5.	Unnat Bharat Abhiyan	2017-18	Dr M K Roy	MHRD Govt. of India	1.75	On-Going



**(ii) Sponsored Research Projects**

Sl. No.	Project Title	Duration	Investigator	Funding Agency	Total Sanctioned Amount in Rs. Lakh	Status
1.	Development of Additive - Subtractive Integrated RP System for Improved part Quality	2014-18	PI: Dr P K Jain, Co PI's: Prof Puneet Tandon, Dr P M Pandey	SERB DST	19.50	Completed
2.	Electrodeposition of Magnetic film in the presence of external magnetic field	2015-18	PI: Dr Amaresh Chandra Mishra	SERB DST	27.43	Completed
3.	Electronics and Spintronics properties of Halogen functionalized Graphene Nanoribbons	2015-18	PI: Dr Neeraj K Jaiswal	SERB DST	19.93	Completed
4.	Design and Development of RF Energy Harvesting Circuits for Low Power electronics Devices	2015-19	PI: Dr Jawar Singh	SERB DST	54.52	Transferred to IIT Patna
5.	Fractal Based Dielectric Resonator Antennas for compact wideband and High Gain Applications	2015-18	PI: Dr B Mukherjee	SERB DST	30.76	On-Going
6.	Implementation of Sigma Delta Modulator Using Nanowire Electrically Doped Hetero Material Tunnel Field Effect Transistor (TFET ) for Ultra Low Power Applications	2016-19	PI: Dr Dheeraj Sharma	SERB DST	43.49	On-Going
7.	Design and Analysis of Multiplierless Multirate Filterbank with Low Complexity	2016-19	PI: Dr Anil Kumar	SERB DST	18.80	On-Going
8.	Investigation of Compact and Miniaturized Dielectric Resonator Antenna loaded with Metamaterial based structures for wireless applications	2016-18	PI: Dr B Mukherjee	MPCST	7.00	Completed
9.	High Sensitive MEMS Piezoresistive Microcantilever Sensor	2016-19	PI: Dr Zahid Ansari	SERB DST	30.17	On-Going
10.	Development of Low-Cost Science experiments/demonstration for strengthening the activity based science learning in tribal school	2016-17	PI: Dr Mukesh Roy	Vigyan Prasar	12.60	Completed



11.	Computational Design of Functional Nucleotides for Artificial Life	2016-19	PI: Dr N R Jeena	SERB DST	50.00	On-Going
12.	Privacy Enhancing Revocable Biometric Identities (PERBI)	2016-19	PI: Dr Pritee Khanna Co PI's: Dr Ayan Seal, Dr M K Bajpai	BRNS	28.78	On-Going
13.	Development of Adaptive Double Sided incremental Forming Process For dieless Manufacturing	2017-20	PI: Prof P Tandon, Co PI's: Dr P K Jain and Dr P K Kankar	IMPRINT-India, MHRD	252.12	On-Going
14.	Exploration of 8/9 nano-meter process variation immune doping- and junction - free devices and their circuits	2017-20	PI: Dr Jawar Singh	SERB DST	31.45	Transferred to IIT Patna
15.	Technology intervention in product design for the elderly- case studies on umbrella and stick design	2017-19	PI: Dr B Mukherjee	SEED, DST	15.69	On-Going
16.	Design, Simulation and development of conformal phased array antenna for airborne applications	2017-20	PI: Dr Dinesh Kumar Vishwakarma, Co PI: Dr Manoj Singh Parihar	DRDO	50.99	On-Going
17.	Mechanistic Model Development for Fission Product (FP) Retention for Computer Code PRABHIVINI	2017-19	PI: Dr Goutam Dutta	BARC	11.97	On-Going
18.	In-process Monitoring of Stamping Process of a Thin Plate	2017-19	PI: Prof Puneet Tandon	DST	8.76	Completed
19.	An Efficient use of Discarded Heterogeneous Electronic Waste for Development of cost Effective Microwave Absorber	2017-20	PI: Dr Ravi Panwar	SERB DST	43.95	On-Going
20.	Radiation effects in Gallium Oxide	2017-20	PI: Dr Yashpal Singh Katharria	UGC	8.13	On-Going
21.	FIST Program Smart Manufacturing and Condition Monitoring	2018-23	PI: Prof Vijay K Gupta, Co PI: Prof P Tandon	DST	194.40	On-Going





22.	FIST Program Establishment of Research facility for Advanced Microwave and Communication Engineering	2018-23	PI: Dr Dinesh Kumar V Co-PI: Dr Manoj S Parihar, Dr Matadeen Bansal	DST	205.20	On-Going
23.	Study of Resistive switching in gallium oxide thin films for non- volatile memory application	2018-21	PI: Dr Yashpal Singh Katharria	UGC-DAE	1.35	On-Going
24.	National Resource Center (NRC) for Design	2018-21	PI: Prof Puneet Tandon CoPI: Dr Sangeeta Pandit	MHRD	19.70	On-Going
25.	Development of Mathematical Models to Minimize the impact of Airline disruption in Real Time Basis	2018-21	PI: Dr Deepmala	CSIR	18.96	On-Going
26.	Analytical Modeling & Simulation of 3-5 nano structure-based hybrid solar cells	2018-21	PI: Dr D P Samajdar	SERB	26.70	On-Going
27.	FPGA Prototype of non- recursive key based crypto system for secure transmission of real time privacy signal	2018-21	PI: Dr K K S Pandian	DST	24.98	On-Going
28.	Mathematical modeling of biased swimming micro- organisms via bioconvection	2018-21	PI: Dr Manoj Kumar Panda	SERB	6.60	On-Going
29.	First principle investigations of 2-D nitrides as electrodes materials for alkali-ion batteries	2019-22	PI: Dr Neha Tyagi (Mentor: Dr Neeraj Kumar Jaiswal)	DST- WOS-A)	26.98	On-Going
30.	Development of Induction- conduction based material deposition system for metal additive manufacturing	2019-22	PI: Dr Prashant Kumar Jain	SERB	42.34	On-Going
31.	Numerical Modeling and development of New methods for hybrid metal forming of complex parts of ultra –high strength (UHS) materials	2019-21	PI: Prof Puneet Tandon	DST- RFBR	19.64	On-Going
32.	Empowering women through visual communication tools	2019-21	PI: Dr Tripti Singh	DST (SEED)	13.65	On-Going



**(iii) Consultancy Projects**

S.No.	Name of Consultancy work (Project Title)	Consultant (Name of Faculty)	Funded By (Name of Client)	Amount received (in Rupees) (Including Tax)
1.	Data Analysis using VCR engine	Dr H Chelladurai	Ms. Arpana Singh (Individual)	7,000.00
2.	Data Analysis using VCR engine	Dr H Chelladurai	Ms. Arpana Singh (Individual)	7,000.00
3.	Development of Adverto outdoor Digital Advertising Platform	Prof Puneet Tandon	Swar Innovative Pvt. Ltd. Jabalpur	59,000.00
4.	Analysis and Design Review of Primer Loader, Mounting of GSS and C18 (Mile stone I & II of RSQR)	Prof Puneet Tandon	Gun Carriage Factory, Jabalpur	2,357,640.00
5.	Assistance of IIITDM in Design of Twin Barrel Air Defence Gun as per scope of work	Prof Puneet Tandon	ODC, Gun Carriage Factory, Jabalpur	604,500.00
6.	Roughness Testing and consultancy charges for data preparation & analysis	Prof V K Gupta	RGPV, Bhopal	1,830.00
7.	Abrasive water jet Machine	Prof V K Gupta	Nagpur boring works	20,000.00
8.	Geometric Model Validation, part program Generation and Machining of brake plate on Okuma Machine	Dr P K Jain	Pooja Industries	23,600.00
9.	Design and Development of tool for automatic 4 D -PHD creations	Dr P K Jain	Alfa - TKG	150,000.00
10.	Theoretical Formulations and Analytical Modeling For Buckling Analysis of Hydraulic Cylinders	Dr Pavan Kankar	DRDO	219,961.00



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36. Neha Gour and Pritee Khanna, Optic Disc Segmentation using Vessel In-painting and Random Walk Algorithm, Int. Conf. on Information and Communication Technology, IIITDM Jabalpur, October 26 - 28, 2018.
37. Gupta Nidhi, Bhatele Puspraj, and Khanna Pritee, Customized Expectation Maximization for Glioma Segmentation and Identification from Brain MRIs, 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISAPP 2019) Prague, Czech Republic Communicated, February 25 - 27, 2019.
38. Kashyap Kanchan Lata, Bajpai M K, and Khanna Pritee, Breast Tissue Density Classification, 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISAPP 2019), Prague, Czech Republic, February 25 - 27, 2019.



39. Mayank Tiwari, Subir Singh Lamba and Bhupendra Gupta, An image processing and computer vision framework for efficient robotic sketching, RoSMa-2018, IIIT Kancheepuram, pp 284-289, July19- 21, 2018.
40. Swati Agrawal, V K Gupta, P K Kankar, Horn Shape Double Single Walled Carbon Nanotube System via Modified Couple Stress Theory - Effect of Biomolecule, International conference on Physics and Mechanics of New Materials and their Applications (PHENMA-2018), Korea Maritime and Ocean University, Busan, August 09 - 11, 2018.
41. Rommel Nath, P K Kankar, V K Gupta, Study of Archimedes Wave Swing Harvester for Indian Ocean International conference on Physics and Mechanics of New Materials and their Applications (PHENMA-2018), Korea Maritime and Ocean University, Busan, August 09 - 11, 2018.
42. Tejkaran Narolia, Vijay K Gupta, I A Parinov, A novel design for Piezoelectric Based Harvester for Rotating Objects International conference on Physics and Mechanics of New Materials and their Applications (PHENMA-2018), Korea Maritime and Ocean University, Busan, August 09 - 11, 2018.
43. Shailendra Kumar Tripathi, K K Soundra Pandian and Bhupendra Gupta, Hardware Implementation of dynamic key value based stream cipher using chaotic logistic map, IEEE-International Conference on Trends in Electronics and Informatics, Tirunelveli, May 11 - 12, 2018.
44. Abhishek Chauhan and Sachin Kumar Jain, Frequency estimation in Power Systems: A brief comparison of Phase locked loops and its derivatives 2018, 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), Sri Venkateshwara College of Engineering, Bengaluru, India, May 18 - 19, 2018.
45. Ankita Benjamin and Sachin Kumar Jain, A Review Of Literature On Effects Of Harmonics On Protective Relays 2018 IEEE PES International Conference on Innovative Smart Grid Technologies (ISGT Asia 2018), SCEE, Singapore, May 22 - 25, 2018.
46. Abhishek Sharma and Sachin Kumar Jain, A Review and Performance Comparison of Power System State Estimation Techniques 2018, IEEE PES International Conference on Innovative Smart Grid Technologies (ISGT Asia 2018), SCEE, Singapore, May 22 - 25, 2018.
47. Kushan Choksi and Sachin Kumar Jain, Novel Computational-Index as a Representative Feature for Non-Intrusive Load Monitoring, 2018 IEEE International Conference on Information Communication and Signal Processing (ICSP 2018) NTU, Singapore, pp 44-48, September 28 - 30, 2018.
48. Vijay Rathore and Sachin Kumar Jain, Non Intrusive Load Monitoring and Load Disaggregation using Transient Data Analysis International Conference on Information and Communication Technology 2018 (CICT 2018), IIITDM Jabalpur, October 26 - 28, 2018.
49. H Singh, A Kumar, L K Balyan and H Lee, Fuzzified Histogram Equalization based Gamma Corrected Cosine Transformed Energy Redistribution for Image Enhancement, IEEE International Conference on Digital Signal Processing, China, pp 01-05, November 19 - 21, 2018.
50. I Sharma, N Agrawal, A Kumar and L K Balyan, Adder Efficient Multiplierless Non-Uniform Filterbank Design Using Hybrid Algorithm Int Conf on Comm. and Signal Proc. (ICCSP), India, pp 398-404, April 03 - 05, 2018.
51. H Singh, A Kumar, L K Balyan and H N Lee, Piecewise Gamma Corrected Optimally Framed Grumwald-Letnikov Fractional Differential Masking for Satellite Image Enhancement, IEEE International Conference on Communication and Signal Processing (ICCSP), India, pp 129-133, April 03 - 05, 2018.
52. I Sharma, A Kumar, L K Balyan, Design of Multiplierless M-channel Cosine Modulated Filterbank using Hybrid CSE Technique Int. Conf. Digital Signal Processing, China, pp 1-5, November 19 - 21, 2018.
53. P S Reddy, H Singh, A Kumar, L K Balyan and H Lee, Retinal Fundus Image Enhancement Using Piecewise Gamma Corrected Dominant Orientation Based Histogram Equalization, IEEE International Conference on Communication and Signal Processing (ICCSP), India, pp 124-128, April 03 - 05, 2018.



54. Ankit Nayak, Prashant K Jain, P K Kankar, Niharika Jain, Image-Based Method for Analysis of Root Canal Geometry, International Conference on ISMAC - CVB in Computational Vision and Bio-Engineering SCAD Institute of Technology at Coimbatore, India, pp 1491-1497, May 16 - 17, 2018.
55. Ankit Nayak, P K Kankar, Prashant K Jain, Niharika Jain, Fracture Prediction of the Self Adjusting File using Force and Vibration Signature Analysis 2018, International Conference on Physics and Mechanics of New Materials and Their Applications, Busan, South Korea, September 09 - 11, 2018.
56. N S Raghuvanshi, G Dutta, M K Panda and S Agrawal, Nuclear Coupled Linear Stability Analysis of Supercritical Water Natural Circulation Loop, Nuclear and Renewable Energy Resources, Korea, Advanced Institute of Science and Technology (KAIST), September 30 - October 03, 2018.
57. A Verma and G Dutta, Thermal-hydraulic Analysis of Reactor Containment during Severe Accidents, Nuclear and Renewable Energy Resources, Korea, Advanced Institute of Science and Technology (KAIST) September 30 - October 03, 2018.
58. Abhishek Pahuja, Manoj Singh Parihar, Dinesh Kumar V, Enhancing the Performance of Solar Cell by Extraordinary Transmission with Metallic Patch Loading, 14th International Conference on Fiber Optics and photonics (Photonics 2018), Indian Institute of Technology Delhi, December 12 - 15, 2018.
59. Prateeksha Sharma, V Dinesh Kumar, All Optical Logic Gates Using Hybrid Insulator Metal Insulator (HIMI) Plasmonic Waveguide. Progress In Electromagnetics Research Symposium , PIERS 2018, Toyama International Conference Center and ANA Crowne Plaza Toyama, August 01 - 04, 2018.
60. N Agrawal, A Kumar, Varun Bajaj, Phase Optimization based Design of Infinite Impulse Response Filter using Fractional Derivative, International Conference on Digital Signal Processing (DSP 2018) ShanghaiTech University, Shanghai, CHINA, November 19 - 21, 2018.
61. Himanshu Singh, A Kumar, L K Balyan, Robustly Clipped Sub-Equalized Histogram based Cosine Transformed Energy Redistributed Gamma Correction for Satellite Image Enhancement Computer Vision & Image Processing (CVIP-2018), PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur (IIITDMJ), India, September 29 - October 01, 2018.
62. A Kumar, N Agrawal, I Sharma, Design of Finite Impulse Response Filter with Controlled Ripple using Cuckoo Search Algorithm, Computer Vision & Image Processing (CVIP-2018), PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur (IIITDMJ), India, September 29 - October 01, 2018.
63. A Santosh Kumar, A Kumar, V Bajaj, G K Singh, Fractional-Order Darwinian Swarm Intelligence Inspired Multilevel Thresholding for Mammogram Segmentation, 7th IEEE Int. Conf. on Communication and Signal Processing (ICCSP-2018), Adhiparasakthi Engineering College, Melmaruvathur, T.N., April 03 - 05, 2018.
64. S Ansari, G Kishor, P K Verma, N Agrawal, I Sharma, A Kumar, Design of Multiplierless Digital IIR Filter using Modified Cuckoo Search Algorithm, 7th IEEE Int. Conf. on Communication and Signal Processing (ICCSP-2018) Adhiparasakthi Engineering College, Melmaruvathur, T.N., April 03 - 05, 2018.
65. S Gupta, M Chauhan, B Mukherjee, Fractal on Hemispherical DRA by Descartes Circle Theorem for wide-band application, 2nd IEEE Conference on Information and Communication Technology 2018 (CICT 2018) IIITDM Jabalpur, October 26 - 28, 2018.
66. M Chauhan, B Mukherjee, High Gain Fractal Cylindrical Dielectric Resonator Antenna for UWB application, IEEE Radio and Antenna Days of the Indian Ocean (IEEE RADIO 2018), Radio Society, Mauritius, October 15 - 18, 2018.
67. A Tandy, M Chauhan, B Mukherjee, Investigation on Tetrahedral DRA with loaded monopole for ultra-wideband application, 2nd IEEE Conference on Information and Communication Technology 2018 (CICT 2018) IIITDM Jabalpur, October 26 - 28, 2018.





68. A L Kumar, A Ranjan, M Chauhan, V Killamsetty, Circular SRR shaped UWB Antenna with WiMAX Band Notch Characteristics, IEEE Radio and Antenna Days of the Indian Ocean (IEEE RADIO 2018), Radio Society, Mauritius, October 15 - 18, 2018.
69. Mukhopadhyay, Prabir., Vinzuda, Vipul., Suvarnan, Thrudev., Lakhtar, Nakul., Use of Low Cost Tools in Ergonomic Research of Mobile Restaurants in Western India, VIII European Congress of Methodology Friedrich Schiller Universitat Jena, pp 206, July 24 - 27, 2018.
70. Srinivas Pandey, Mamata Samal, and Sraban Kumar Mohanty, A SNN-DBSCAN based Clustering Algorithm for Big Data, 3rd International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2018) SOA University, Bhubaneswar, pp 1-11, December 22 - 24, 2018.
71. Arun Pant, Lalit Kumar and Manoj Singh Parihar, A Frequency Reconfigurable Mobile Handset Antenna for 4G & Pre-5G Technology, Conference on Information and Communication Technology (CICT 2018) IIITDM Jabalpur, October 26 - 28, 2018.
72. Arun Pant, Lalit Kumar and Manoj Singh Parihar, Smart Antenna with Dynamic Radiation Pattern Capability for 4G Applications, Conference on Information and Communication Technology (CICT 2018), IIITDM Jabalpur, October 26 - 28, 2018.
73. Saroj Kumar Chandra, Manish Kumar Bajpai, Effective algorithm for benign brain tumor detection using fractional calculus, TENCON 2018, JEJU South Korea, pp. 6, October 11 - 13, 2018.
74. Saroj Kumar Chandra, Manish Kumar Bajpai, Fractional Anisotropic Diffusion For Image Denoising, IACC Delhi, pp 6 December 05 - 08, 2018.
75. Sushil Tiwari, Vinod Kumar Jain Smartphone based Improved Floor Determination Technique for Multi-Floor Buildings, Proceedings of the World Congress on Engineering 2018, Vol I WCE 2018, Imperial College, London, U.K., pp 1-5, July 04 - 06, 2018.
76. Debanjan Roy Chowdhury, Vinod Kumar Jain, Sonam Maurya, TAFDRV: Travel Angle based Fast Data Dissemination to Relevant Vehicles in VANET-2018, 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, pp 534-538, July 04 - 06, 2018.
77. Sushil Tiwari, Vinod Kumar Jain, Optimum Grid Size Estimation using Fuzzy-AHP for Radio Fingerprinting based Indoor Localization, 2018, 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, pp 516-521, July 04 - 06, 2018.
78. R Yogi, N K Jaiswal, First-principle study of zigzag GaN nanoribbons with Cl functionalization 63 DAE SSPS 2018, GJUST Hisar Haryana, December 18 - 22, 2018.
79. C. Patel, R. Yogi, N. K. Jaiswal, First-principles Study for I-V Characteristics of Halogen Functionalized Zigzag Graphene Nanoribbons 63 DAE SSPS 2018, GJUST Hisar Haryana, December 18 - 22, 2018.
80. Rachana Yogi, Neeraj K Jaiswal, First-principle study of Cl functionalized zigzag AlN nanoribbons International Conference on Nano-Structured Materials and Devices, University of Delhi, December 17 - 20, 2018.
81. R Singhal, M Z Ansari and A. Hussain, Pressure drop characteristics of generalized diverging-converging microchannel for heat sink applications ASME FEDSM2018), Montreal, Canada, July 15 - 20, 2018.
82. D Arya, S Mondal and M Z Ansari, A high sensitive mass sensor for robotic applications International Conference on Robotics and Smart Materials (RoSMa2018), IIITDM Kanchipuram, TN, India, July 19 - 21, 2018.
83. A Hussain, R. Singhal and M Z Ansari, Characteristic dimensions of uniformly converging, diverging and converging-diverging microchannels, International Conference on Advanced Production and Industrial Engineering (ICAPIE 2018), DTU, Delhi, October 05 - 06, 2018.



84. Sonika Sahu and M Z Ansari, Compressive characteristics of AA2014 syntactic foam synthesized using thermal plant waste, India International Science Festival (IISF2018), Indira Gandhi Pratishthan, Lucknow, UP, India, October 05 - 08, 2018.
85. Sonika Sahu and M Z Ansari, Macro-structure modeling of closed cell aluminum foam using through computer tomography Recent Innovations in Advanced Materials (RIAM, 2018) CSIR-AMPRI, Bhopal. MP, India, September 18 - 19, 2018.
86. S Mondal, D Arya and M Z Ansari, High sensitive MEMS piezoresistive microcantilever sensor, International Conference on Robotics and Smart Materials (RoSma2018), IIITDM Kanchipuram, TN, India, July 19 - 21, 2018.
87. A K Maharia, S Sahu and M Z Ansari, Temperature and thermal stress distribution in underwater friction stir welding of aluminum plates ICCRME-2018, Integral University, April 06 - 07, 2018.
88. Sachin Taran, and Varun Bajaj, Drowsiness Detection using Instantaneous Frequency based Rhythms Separation for EEG Signals, Second IEEE International Conference on Information and Communication Technology (CCIT-2018, October 26-28, 2018), CICT 2018, IIITDM Jabalpur, October 26 - 28, 2018.
89. Nagineni Sukumar, Sachin Taran, Varun Bajaj, Physical actions classification of surface EMG signals using VMD, International Conference on Communication and Signal Processing, Chennai, India, pp. 0715-0719, April 03 - 05, 2018.
90. D S Yadav, D Sharma, D G Sharma, S Bajpai, High Frequency Analysis of GaAsP/InSb Hetero Junction Double Gate Tunnel Field Effect Transistor, IEEE's 3rd International Conference for Convergence in Technology (I2CT), sponsored by IEEE Bombay Section, pp 1-6., 7th - 9th April, 2018, Hotel Gateway (TAJ), Hinjewadi, Pune, Maharashtra, India.
91. Lalit kumar and Kusum Kumari Bharti, An Improved BPSO Algorithm for Feature Selection International Conference on Emerging Trends in Communication, Computing and Electronics University of Allahabad, pp. 505-513, April 13 - 15, 2018.
92. I Mal, D P Samajdar and D Roy, Hydrostatic Pressure Study of GaAsSbN/GaAs Quantum Well Based Optoelectronic Devices IEEE EDKCON IEEE EDS Kolkata Chapter, November 24 - 25, 2018.
93. D Roy, I Mal, D P Samajdar Performance Analysis of CdTe based PV Array using Parameter Extraction Techniques, IEEE EDKCON, IEEE EDS Kolkata Chapter, November 24 - 25, 2018.
94. Amit Kumar, Harpreet Singh and Neeraj Bhoi, Improvement in functional surfaces of the engineering parts using microwave cladding (MWC): a detail discussion, 33rd Indian Engineering Congress 2018, The Institution of Engineers India Kolkata, pp 53, December 21 - 23, 2018.
95. Harpreet Singh, Bhishm Dewangan and Neeraj Kumar Bhoi, Experimental investigation on characterizations of polymer matrix composite reinforced by sisal fibres, 10th International Conference on Mechatronics and Manufacturing (ICMM 2019) Chulalongkorn University, Bangkok, Thailand, pp. 17, January 21 - 23, 2019.
96. Bhishm Dewangan, Harpreet Singh, Neeraj Bhoi, An experimental study for the characterization of polymer matrix composite reinforced by sisal fibres, 34th National Convention of Mechanical Engineers, The Institution of Engineers India Delhi State Center, pp 71-79, September 07 - 08, 2018.
97. Shivdayal Patel, B. P. Patel, Suhail Ahmad, ESTIMATION OF RESIDUAL STRESSES IN STEEL WELDED JOINTS USING THREE DIMENSIONAL FINITE ELEMENT ANALYSIS, Proceedings of the ASME 2018, 37th International Conference on Ocean, Offshore and Arctic Engineering OMAE2018, Madrid, Spain, pp 1-9, June 17 - 22, 2018.
98. Shivdayal Patel, Suhail Ahmad, bPROBABILISTIC RESPONSE OF COMPOSITE PLATES FOR DAMAGE INITIATION DUE TO LOW VELOCITY IMPACT, Proceedings of the ASME 2018 37th International Conference on Ocean, Offshore and Arctic Engineering OMAE2018, Madrid, Spain, pp 1-9, June 17 - 22, 2018.



99. Rakesh Patidar, B Venkatesh, Saurabh Pratap, Yash Daultani, A Sustainable Vehicle Routing Problem for Indian Agri-Food Supply Chain Network Design POMS 2018, KANDY SRILANKA, December 14 - 16, 2018.
100. Mihir Kumar Jena, Irshad Ahmad Ansari, Design of Wearable Health and Hazard Monitoring Device Soft Computing: Theories and Applications 2018 (SoCTA2018), NIT Jalandhar, December 21 - 23, 2018.
101. Rishi Sinhal, Irshad Ahmad Ansari, A blind and secured image watermarking method using DWT-DCT Conference on Information and Communication Technology, PDPM IIITDMJ, October 26 - 28, 2018.
102. Mihir Kumar Jena, Irshad Ahmad Ansari, Jawar Singh, A Critical Review of Wireless Health Monitoring Devices Conference on Information and Communication Technology, PDPM IIITDMJ, October 26 - 28, 2018.
103. Rishi Sinhal, Irshad Ahmad Ansari, A source & ownership Identification framework for Mobile based messenger applications Soft Computing: Theories and Applications 2018 (SoCTA2018), NIT Jalandhar, December 21 - 23, 2018.
104. Trivesh Kumar and A. R. Harish, Broadside Axial-Ratio Computation Using Surface Current Distribution for Planar Antennas, ISAP-2018, Busan, South Korea, pp 01-02, October 23 - 27, 2018.
105. Trivesh Kumar and A. R. Harish, A modified bow-tie antenna for Universal UHF RFID Application ISAP-2018, Busan, South Korea, pp 01-02, October 23 - 26, 2018.
106. Ravi Panwar, Dharmendra Singh, Design, Fabrication and Performance Evaluation of Magneto-Dielectric Based Electromagnetic Wave Absorbers Optimized Using Biologically Inspired Optimization Strategies IEEE International Magnetism Conference (Intermag 2018), Nanyang Technological University, Singapore, April 23 - 26, 2018.
107. Shiwangi Mishra, Pritee Khanna, Early Detection of Alzheimers disease using white matter and grey matter alterations in wavelet domain, Tools and Methods of Competitive Engineering, Las Palmas de Gran Canaria, Gran Canaria, Spain, May 07 - 11, 2018.
108. Arun Pant, Lalit Kumar and Manoj Singh Parihar, Electronically Pattern Reconfigurable Hexagon shaped Loop Antenna, IEEE Sponsored, 3rd International Conference for Convergence in Technology (I2CT) 2018 Pune University, April 07 - 08, 2018.

### **Faculty Achievements**

1. Prof Aparajita Ojha, Nominated member of Board of Governors, IIITDM Kurnool.
2. Dr Pritee Khanna, Co-chair special session on a soft Computing: Current Trend of Machine Learning in Computer Vision in 2019 IEEE International Conference on Systems, Man, and Cybernetics (SMC) during October 6-9 Bari, Italy.
3. Prof Vijay Kumar Gupta, Member, Technical Programme Committee, International conference on Reliability, Safety and Hazard (ICRESH-2019).
4. Dr Lokendra Kumar, Lead Guest Editor: Probe: Mathematics and Mathematical Sciences.
5. Dr Prashant Kumar Jain, Research paper titled: Characterization, Modeling and Simulation of Fused Deposition Modelling Fabricated Part Surface has been listed in the Highlights of 2017 from Surface Topography: Metrology and Properties, IOP Science Journal.
6. Dr Biswajeet Mukherjee, Awarded SERB, DST International Travel Support (ITS) to attend the 13th IEEE European Conference on Antennas and Propagation (EuCAP), 2019, Poland.
7. Prof Puneet Tandon, Member Academic Council, Avantika University, Ujjain.
8. Prof Puneet Tandon, Coordinator, Atal Ranking of Institutions for Innovative Achievements (ARIIA).
9. Prof Puneet Tandon, Faculty Mentor, Students Startup and Incubation Center.



10. Prof Puneet Tandon, Coordinator, National Resource Center (NRC) for Design under the scheme Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) (ARPIT) of Ministry of Human Resource Development (MHRD), Government of India.
11. Prof Puneet Tandon, Nodal Faculty / Single Point of Contact (SPOC), Smart India Hackathon 2019.
12. Prof Puneet Tandon, President, MHRD Innovation Cell (MIC).
13. Prof Puneet Tandon, Invited to visit Nosov Magnitogorsk State Technical University (NMSTU), Russia by Ministry of Education and Science of the Russian Federation for Plenary Report in the 3rd International Youth Conference Magnitogorsk Rolling Practice 2018.
14. Dr Matadeen Bansal and Dr.V.K.Jain , organizing chairs for CICT 2018.
15. Dr Dinesh Kumar V. and Dr.Atul Gupta, TPC Chairs for CICT 2018.
16. Prof Puneet Tandon, Institutional Coordinator, Scheme for Promotion and Research Collaboration (SPARC).
17. Dr Pritee Khanna, Guest Editor, Special Issue on Computational Intelligence for Biomedical Data and Imaging, ACM Transactions on Multimedia Computing, Communications, and Applications (ACM TOMM).
18. Prof Vijay Kumar Gupta, Member, BOS, Mechanical Engineering, Rajasthan Technical University Kota.
19. Dr Lokendra Kumar, Members of Editorial Board, Probe: Mathematics and Mathematical Sciences.
20. Dr Prashant Kumar Jain, Research paper of Ankit Nayak, Pavan Kumar Kankar, Niharika Jain and Prashant Kumar Jain titled Force and vibration correlation analysis in the self-adjusting file during root canal shaping: An in-vitro study was the most read article of the Journal of Dental Sciences.
21. Dr Biswajeet Mukherjee, Awarded CSIR Travel Grant to attend the VIth IEEE Radio and Antenna Days of Indian Ocean, 2018, Mauritius.
22. Dr Manoj Singh Parihar, Award, Best paper award on "Investigation of Non-linear Effects in Electronically Pattern Reconfigurable Hexagon shaped Loop Antenna" in International Conference on Optical and Wireless Technologies 2018 (OWT-2019) at MNIT Jaipur.
23. Dr Manoj Kumar Panda, Award, Visiting Fellowship Grant 2018-19@JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH, India. <https://indiabioscience.org/grants/visiting-fellowships-programme-2018-19> <http://www.jncasr.ac.in/fe/visiting-fellowships.php>.
24. Dr Varun Bajaj, subject editor IET Electronics Letters.
25. Dr Trivesh Kumar, Award, International Travel Grant from M.P. Council Of Science And Technology.
26. Dr Ravi Panwar, Award, MPCOST Travel Grant to attend International Conference in NTU, Singapore.

### **Conference Organized**

1. Prof Puneet Tandon, Member, Advisory Committee, The International Conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN-2019), Manipal University, Jaipur, 2019.
2. Dr Pritee Khanna, Member, Advisory Committee, Fifth International Conference on Science Technology Engineering and Mathematics (ICONSTEM 2019) , Jeppiaar Engineering College, India, 2019.
3. Prof Vijay Kumar Gupta, Member, Technical Committee, 4th International Conference on Reliability, Safety and Hazard (ICRESH-2019), IIT Madras, 2019.
4. Dr Sachin Kumar Jain, Member, Program Committee, International Conference on Machine Learning, Image Processing, Networks and Data Sciences, NIT Kurukshetra, 2019.
5. Dr Vinod Kumar Jain, Member, Program Committee, Design Workshop 2019 (DeW 2019), PDPM IITDM Jabalpur, 2019.
6. Dr Irshad Ahmad Ansari, Member Program Committee, 6th International Conference on Signal Processing and Integrated Networks, Noida, India, 2019.





7. Dr Ravi Panwar Member, Member, Program Committee, International Conference on Signal Processing and Communication, Jaypee Institute of Information Technology, Noida, 2019.
8. Prof Puneet Tandon, Member, Advisory Committee, National Advisory Committee at International Conference- NANOCON 018, Bharati Vidyapeeth Deemed University, Pune, India, 2018.
9. Prof Puneet Tandon, Conference Chair, International Conference on Mechatronics and Mechanical Engineering, ICMME 2018, Wuhan, China, 2018.
10. Prof Puneet Tandon, Member, International Organizing Committee, Asia, The 15th annual International CAD Conference, CAD 18, Ecole Normale Supérieure Paris-Saclay (ENS Paris-Saclay) Paris, 2018.
11. Prof Aparajita Ojha, Invited Lecture and Session Chair, 22nd International Conference of the International Academy of Physical Sciences (CONIAPS-XXII), Dr Ram Manohar Lohia Avadh University, Faizabad (Ayodhya), Uttar Pradesh, INDIA, 2018.
12. Prof Aparajita Ojha, Invited to deliver a lecture 23rd International Conference of the International Academy of Physical Sciences (CONIAPS-XXII), National Academy of Science and Technology, Nepal 2018.
13. Prof Aparajita Ojha, Member, Program Committee, 3rd International Conference on Computer Vision and Image Processing, PDPM IIITDM Jabalpur, 2018.
14. Prof Aparajita Ojha, paper presentation, TrustCom 2018, New Jersey, USA, 2018.
15. Prof Aparajita Ojha, Chair, Women in Engineering, 2018 Conference on Information and Communication Technology, PDPM IIITDM Jabalpur, 2018.
16. Dr Pritee Khanna, Organized Coordinator, Third International Conference on Computer Vision & Image Processing (CVIP 2018) IIITDM Jabalpur 2018.
17. Dr Pritee Khanna, Member, Steering Committee, 2018, Conference on Information and Communication Technology (CICT 2018) IIITDM Jabalpur, 2018.
18. Dr Subir Singh Lamba, Presenter, RoSMA-2018 IIIT Knacheepuram, 2018.
19. Prof Vijay Kumar Gupta, Conference Co-Chair, International conference on Physics and Mechanics of New Materials and their Applications, Busan, South Korea, 2018.
20. Dr Prabin Kumar Padhy, Organized Coordinator, Neuro-Fuzzy Systems and Evolutionary Optimization with Application, PDPM IIITDM Jabalpur, 2018.
21. Dr Sachin Kumar Jain, Member Program Committee, INTERNATIONAL CONFERENCE ON ENERGY CONSERVATION & EFFICIENCY (ICECE), 2018, UET Lahore, Pakistan, 2018.
22. Dr Sachin Kumar Jain, Sponsorship Chair, 2nd Conference on Information and Communication Technology (CICT-2018), IIITDM Jabalpur, 2018.
23. Dr Sachin Kumar Jain, Member, Program Committee, Third International Conference and Workshops on Recent Advances and Innovations in Engineering (ICRAIE-2018), Poornima University, Jaipur, 2018.
24. Dr Manoj Singh Parihar, Participant, International Microwave and RF Conference, Kolkata, 2018.
25. Dr Vinod Kumar Jain and Dr Matadeen Bansal, Conference Chair, Conference on Information and Communication Technology (CICT 2018), PDPM IIITDM Jabalpur, 2018.
26. Dr Ayan Seal, Member Program Committee, Third International Conference on Computer Vision and Image Processing 2018, PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, 2018.
27. Dr Kusum Kumari Bharti, Poster Presentation 10th Indo-German Frontiers of Engineering Symposium Potsdam, Germany, 2018.
28. Dr Irshad Ahmad Ansari, Session Chair, Socta 2018, NIT Jalandhar, 2018.
29. Dr Ravi Panwar, Member, Program Committee, National Symposium on Microwave Absorbing Materials IIIT Roorkee, 2018.



30. Dr Ravi Panwar, Member, Program Committee, International Workshop on Artificial Intelligence and Deep Learning Methods for Human Centric Systems, Moscow, Russia, 2018.
31. Dr Ravi Panwar, Publication Chair, International Conference on Information and Communication Technology 2018 (CICT-2018), IIITDM Jabalpur 2018.

### **Event Organized**

1. Prof Tanuja Sheorey, Coordinator, One day workshop on “Bio Entrepreneurship “, Sponsoring Agency: DIC, Venue: PDPM IIITDM Jabalpur, March 27, 2019.
2. Dr Pritee Khanna, DrShivdayal Patel, Coordinator, “Design Workshop 2019 (DeW 2019)”, Sponsoring Agency: BrahMos, MPCST, Allahabad Bank, Venue: IIITDM Jabalpur, March 8-10, 2019.
3. Dr Prashant Kumar Jain, Coordinator, “Programming and Algorithm Development for Research Applications Using MATLAB”, Sponsoring Agency: Electronics and ICT Academy, Venue: IIITDM Jabalpur, March 06-10, 2019.
4. Dr Mohd Zahid Ansari, Coordinator, “Programming and Algorithm Development for Research Applications Using MATLAB (PAD-RAM)”, Sponsoring Agency : E&ICT Academy, Venue: IIITDM Jabalpur, March 6-10, 2019.
5. Dr Tanuja Sheorey, Coordinator, One day dissemination workshop on Virtual Lab on Mechatronics & Virtual lab on Manufacturing, Sponsoring Agency : MHRD, Venue: Manipal University, Jaipur, February 15, 2019.
6. Dr Prabin Kumar Padhy and DrSachin Kumar Jain, Coordinator, “Neuro-Fuzzy Systems and Evolutionary Optimization with Application”, Sponsoring Agency: E&ICT, Venue: IIITDM Jabalpur, December 10-15, 2018.
7. Dr Varun Bajaj, Coordinator, DSP& Sensor, Sponsoring Agency: MEITY Govt. of India ICT Academy Jabalpur, Venue: IIITDM Jabalpur, December 10-15, 2018.
8. Prof Puneet Tandon, Coordinator, Mechanical Manufacturing & Monitoring using MATLAB (MMM-2018), Sponsoring Agency: Electronics & ICT (E&ICT) Academy, PDPM IIITDM Jabalpur, Venue: VNIT Nagpur, December 06-11, 2018.
9. Dr Prashant Kumar Jain, Coordinator, 3D Technology and Embedded Electronics, Sponsoring Agency : Electronics and ICT Academy, Venue: Department of Electronics Engineering, Shri. Ramdeobaba College of Engineering and Management, Nagpur, Maharashtra, November 13-17, 2018.
10. Dr Prashant Kumar Jain, Coordinator, Engineering Computations and GUI Development with MATLAB, Sponsoring Agency: Electronics and ICT Academy, Venue: IIITDM Jabalpur, October 13-17, 2018.
11. Dr Pritee Khanna and DrShivdayal Patel, Coordinator, Third International Conference on Computer Vision & Image Processing (CVIP 2018), Sponsoring Agency: DST, CSIR, DRDO, ISRO, BrahMos, MATLAB, Venue: IIITDM Jabalpur September 29, 2018 – October 01, 2018.
12. Prof Vijay Kumar Gupta, Coordinator, FDP on Soft Computing and Programming for Science and Engineering Research, Sponsoring Agency: Electronics and ICT Academy, IIITDM Jabalpur , Venue: IIITDM Jabalpur, September 15-20, 2018.
13. Prof Puneet Tandon, and Dr Saurabh Pratap, Coordinator, GIAN Course on Production Logistics: Theoretical and Practical approach to the Theory of Constraints, Sponsoring Agency: GIAN MHRD, Venue: PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, September 01-08, 2018.
14. Prof Puneet Tandon, Coordinator, Author Workshop to Improve Research Discoveries and Identifying Paper Publication Opportunities, Sponsoring Agency: IIITDM Jabalpur, Venue: IIITDM Jabalpur, August 28, 2018.
15. Dr Prashant Kumar Jain, Coordinator, Medical Image Processing for Biomedical Applications and Additive Manufacturing Using MIMICS and MAGICS (MIP-BAAM) , Sponsoring Agency : Electronics and ICT Academy, IIITDM Jabalpur, Venue: IIITDM, Jabalpur, August 27-31, 2018.



16. Dr Prashant Kumar Jain, Coordinator, Numerical Algorithms and programming using MATLAB, Sponsoring Agency : Electronics and ICT Academy, Venue: IIITDM Jabalpur, July 11-15, 2018.
17. Dr Saurabh Pratap, Convener, YOGA DAY, Sponsoring Agency : Govt. of India and IIIT JABALPUR, Venue: IIIT DM Jabalpur, June 15-20, 2018.
18. Prof Aparajita Ojha, Coordinator, FDP on ANN and Deep Learning, Sponsoring Agency, E&ICT Academy, PDPM IIITDM Jabalpur Venue: At seven locations of E&ICT Academies, June 11-15, 2018.
19. Dr Prashant Kumar Jain, Coordinator, Programming and GUI Development using MATLABs, Sponsoring Agency: Electronics and ICT Academy, Venue: Mechanical Engineering Department, Acropolis Institute of Technology and Research (AITR) Indore, Madhya Pradesh, June 11-15.
20. Dr Biswajeet Mukherjee, Coordinator, Faculty Development Program on “5G Communications”, Sponsoring Agency: EL & ICT Academy, Venue :IIITDM Jabalpur, June 11-15, 2018.
21. Dr Manoj Singh Parihar, Coordinator, Electromagnetic through experiments By Prof A R Harish (IITK), Sponsoring Agency : IEEE MTTs SBC IIITDM J, Venue: IIITDM Jabalpur, June 07, 2018.
22. Manoj Singh Parihar, Coordinator, Expert Lecture on “Microwave Hyperthermia Applicators- An Overview” by Prof S P Singh IIT BHU Sponsoring Agency: IEEE MTTs SBC IIITDM J, Venue: IIITDM Jabalpur, May 31, 2018.
23. Manish Kumar Bajpai, Co-Convener, Faculty Development program on Big data Algorithms, Sponsoring Agency: EL & ICT Academy Jabalpur, Venue: IIITDM Jabalpur, May 19-24 2018.

### Patents

Sl. No.	Name	Patent No.	Title	Status	Year
1.	Prof Puneet Tandon	201821039737	A Laparoscopic Clip Applicator and method thereof	Filed	2018
2.	Prof Puneet Tandon	201821038852	A wearable device for posture monitoring and method thereof	Filed	2018
3.	Prof Puneet Tandon	201621038901	An Improved Energy Efficient Cooking Device	Published	2018
4.	Prof Puneet Tandon	201821038853	A Laparoscopic Device and method thereof	Filed	2018



## PLACEMENTS

### PLACEMENT STATUS 2018-19

UG 2015-19						
SUMMARY		CSE	ECE	ME	TOTAL	PACKAGE (*)
REGISTERED STUDENTS		68	54	42	164	
1.	Capgemini	14	14	8	36	6
2.	Infosys (Power Programmer)	1	0	0	1	8
3.	Vassar Labs (PPO)	17	0	0	17	8
4.	Oracle OFSS	0	3	1	4	6.4
5.	Elucidata (PPO)	1	1	0	2	9
6.	Coviam Technologies (PPO)	3	3	0	6	7.25
7.	EA Games (PPO)	1	0	0	1	12.4
8.	Utopia (PPO)	0	1	0	1	7
9.	TCS Ninja (Off Campus)	7	10	2	19	3.36
10.	Infosys (HackwithInfy)	1	0	0	1	8
11.	Vassar Labs (Campus)	3	0	0	3	8
12.	NIRA (PPO)	0	1	0	1	7.5
13.	Infosys (SES)	4	0	0	4	5
14.	Infosys	4	15	11	30	3.6
15.	IBM GBS	0	7	0	7	4.1
16.	Zolostays	2	0	0	2	15
17.	MAQ Software	3	0	0	3	5
18.	Allgovision	1	0	0	1	6.5
19.	Principal Global Services Pvt. Ltd.	0	2	0	2	6
20.	Trident Group	0	0	1	1	9
21.	IBM-ISL (PPO)	4	0	0	4	11
22.	Alfa-Tkg (PPO)	0	0	1	1	4.8
23.	PXIL	2	0	0	2	4.5
24.	Wishworks IT Const.	0	1	0	1	7.5
25.	Cogoport	1	0	0	1	13.5
26.	Merger Ware	1	0	0	1	5
27.	Lensbricks Tech.	0	1	0	1	9
28.	Catalyser (Off Campus)	0	0	1	1	6
29.	Paix Tech. (Truebil)	1	0	0	1	7
30.	SocieteGenerale (French Bank)	1	0	0	1	17.5
31.	Loktra	6	0	0	6	10
32.	Wheelseye Technology	0	1	0	1	10





33.	BEL	0	0	2	2	10
34.	Inference Labs (Off Campus)	1	0	0	1	9
35.	Cosgrid Networks (PPO)	1	0	0	1	7.5
36.	Truebil (PPO)	0	1	0	1	9
37.	External Robotics (Off Campus)	1	0	0	1	7.2
38.	Clever Tap (Off Campus)	1	0	0	1	5
39.	2mee (Off Campus)	1	0	0	1	6
40.	Param People Intotech	1	0	0	1	7
41.	SyncSort (Off Campus)	1	0	0	1	-
TOTAL NO OF MULTIPLE OFFERS (Dream and Day-1)		84	61	27	173	

(\*in Lakhs)

PG 2017-19							
SUMMARY		CSE	ECE	ME+MT	M.Des	TOTAL	PACKAGE (*)
REGISTERED ELIGIBLE STUDENTS		6	10	20	15	51	
1.	Capgemini	0	1	1	0	2	8
2.	Oracle OFSS	3	0	1	0	4	6.4
3.	Infosys	1	1	5	0	7	3.6
4.	IBM GBS	1	0	0	0	1	4.1
5.	Eaton	3	4	1	0	8	9.6
6.	Libsys	0	0	0	1	1	8
7.	UX Reactor	0	0	0	3	3	6
8.	Global Logic	0	0	0	1	1	7
9.	PDPU, Gujrat	0	0	1	0	1	0
10.	IRCON International Ltd.	0	1	0	0	1	6.5
11.	AIIMS Delhi	0	0	0	1	1	7.2
12.	Emotix Mumbai	0	0	0	2	2	8
13.	FPT University Hano	0	0	0	1	1	12
14.	Hungerbox	0	0	0	1	1	7
15.	SGT University	0	0	0	1	1	6
TOTAL NO OF OFFERS		8	7	9	11	35	

(\*in Lakhs)



### Scholarships, Freeships & Financial Assistance

Academic year of students starts from the month of August & ends in the month of July.  
Therefore expenses have been made for MCM & Tuition Waiver are arranged as follows:

1. From April 2018 to July 2018 – for Financial Year 2017-18.
2. From Aug 2018 to July 2019 – for Financial Year 2018-19.

#### 1. Expenses from April 2018 to July 2018 (in the Year 2018-19 for the Year 2017-18).

Sr No	B.TECH Batch	Total No of Students eligible to get MCM for F.Y 2017-18	Amount paid for 4 months @Rs.1000/- per month	Tuition Waivernot applicable as ithas already paid during the year(2017-18)	Total Amount Paid
1	2014	62	4000	0	248000
2	2015	70	4000	0	280000
3	2016	62	4000	0	248000
4	2017	44	4000	0	176000
<b>Total Rs.</b>					<b>952000</b>

#### 2. Expenses incurred from Aug-2018 to March 2019 for (F.Y. 2018-19 )

Sr No	B.TECH Batch	Total No of Students eligible to get MCM F.Y 2018-19.	Amount paid for 8 months @Rs.1000/- per month (A)	Tuition Wavier Rs.40,000/- Sem I&II (batch - 2015). Tuition Waiver Rs.44,000/- for Batch 2016 (only) Sem I&II. Tuition Waiver Rs.49000/- for Batch 2017 (Sem-I&II). Tuition Waiver Rs.59290/- for Batch 2018 (Sem-I&II) (B)		Total amount paid A+B
1	2015	69	8000X69 = 552000	59X80000	472000	1024000
2	2016	61	8000X61= 488000	58X88000	5104000	5592000
3	2017	55	8000X55= 440000	55X 98000	5390000	5830000
4	2018	44	8000X44= 352000	42X118580	4980360	5332360
<b>Total Rs.</b>						<b>17778360</b>

TOTAL AMOUNT PAID TOWARDS MCM SCHOLARSHIP INCLUDING TUITION WAIVER is Rs. 952000 + Rs .17778360/- (Rs.18730360/-).



**M.P. (State) Online Portal Other Backward Classes & SC/ST Scholarship Year 2018-19**

S.No.	No. of Students	Total Rs.	Year
1.	04	1,69,300.00	2018-19

**Madhya Pradesh State Scholarship M.P. Portal Online 2.0 under the scheme: Mukhyamantri Medhavi Yojna 2018-19**

S.No.	No. of Students	Total Rs.	Year
1.	31	39,45,900.00	2018-19

**Ministry of Social Justice and Empowerment, New Delhi, payments of students scholarship year 2018-19**

S.No.	No. of Students	Total Rs.	Year
1.	37	9,21,845.00	2018-19



### **Students' Festivals and Events**

Apart from concentrating on academic activities, the Institute also places emphasis on an all-round development of its students. The Institute has, therefore, created excellent infrastructure for a variety of co-curricular and extra-curricular activities such as sports, student publications, Robotics as well as cultural and welfare programmes.

There are three areas of Students Gymkhana viz Cultural, Science and Technology and Sports. At present twenty clubs of students gymkhana have been functioning and being administered by students under the guidance of faculty counselors of respective area.

Three important annual festivals of the Institute Tarang, Abhikalpan and Gusto organized by the students have become the centre of attraction not only for students of Jabalpur colleges but also from various other institutes from across the country and attracted wide participation and good quality response.

#### **STUDENTS GYMKHANA**

Students' Gymkhana is constituted to evolve a disciplined self-governance for carrying out various extracurricular in-campus activities and to establish a responsible and accountable student body. Students' Gymkhana is governed by Student Senate which is constituted in democratic way through elections among each discipline and batch of the students. Student Senate members are elected through direct ballot voting.

Student gymkhana is headed by Dean (Students) who is nominated by Board of Governor of the Institute for a period of three years. Dean (Students) chairs all the meetings of the Student Senate and guides student representatives in organizing gymkhana activities throughout the year. Apart from this, three faculty members designated as Sports, Cultural and Technical Counselors, look after sports, cultural and technical activities respectively and other major festivals organized by the students' gymkhana.

Throughout the year, following activities/ events were organized by the Students:

**CULTURAL CLUBS:** The followings events/ activities were organized by the cultural clubs of students' gymkhana.

**Tarang-2018:** Annual Cultural Fest –Tarang-2018 was held during October 5-7, 2018. The first day of Tarang 2018 was filled with a lot of events, both formal and the informal ones. The first day kicked off with a great event, the prelims of the Great Debate, where the students battled their peers using facts and logic to assert their points and logic into feelings to convince judges of their views on their motions.



### GLIMPSES OF TARANG - 2018

Tarang comprised of the following domains with several events performed during the Tarang-2018.

**Jazbaat** - The world is a stage and all the men and women are merely players. Discover the emotions reach zenith as the stage becomes their world.

**Aavartan** - A display of spunk, talent and fitness, come witness the fiestas glamour and passion take center stage.

**Saaz** - Celebrating brilliant art of Music, Saaz is dedicated to bring to you the sweetest melodies and rocking band performances from across the region.

**Aaveg** - Aaveg is a Battle of the Bands that is a music festival in itself. Top coveted bands from Central India battle it out in the open and the winner takes away an all-cash prize.

**Samvaad** - Come express yourself with your weapon of writing or speaking or join the dots and quiz for glory.

**Abhivyakti** - Bringing life to colors, shapes and figures, it presents a kaleidoscope of view of the world through.



All in all, Tarang'18 is here to make you lose yourself in the electrifying raging of the wild and resurge as fierce, impassioned spirit.

The gaps in the day were filled by the various interesting informal events like perfect 300, blind date, Takeshi's Castle, Paper Folding Dance, PaniPuri eating competition and a lot more. The day concluded with an amazing Professional Night which had Mr Aakash Mehta, a renowned standup comedian come and perform. His jokes literally cracked the audience up in laughter. The humour filled environment of the Professional Night was just the perfect end needed for the 1st Day.

The 2nd day, following the previous day's events, began with a lot more of energy, everyone was dressed in their Tarang 2018 T-shirts and had a new found zeal in them. The second day took off with the Spirit of Art event, where participants used their heart to create art. Participants of the unplugged event used their true voices and instruments without any electric effects to let the acoustic music compete on its own.

The ProfNight for the second day had bands fighting each other, not literally, but by using their electrical beats in the Aaveg finals. The music bands in Aaveg got the crowd imploding with feelings and dancing on their feet. And the second day ended with another bang.

The last and the final day of Tarang 2018 too did not let the wild energy die down. The 3<sup>rd</sup> day had the final rounds of many major events like the Great Debate, Group Dance. Following the amazing finals, the General Quiz checked the participants IQ on everyday affairs relating to all spheres of life. While the quiz was on, the Group Dance event was being conducted in its full spirit and energy. The stiff competition only made the event even more fun and interesting. After all the dancing, it was time for the theatre artists to come out. The awaited Nukkad Natak event took place with some amazing plays that were aimed at removing the various social evils that we have in our country. The Art Marathon event was the last formal event for the day, where the participants created art in various art forms just like a real marathon.

**Cultural Trip to BITS Hyderabad:** A Group of 17 students of Aavartan club attended annual cultural - fest of BITS 'Pearl 2019' at BITS Hyderabad Campus. It started on 22<sup>nd</sup> of March 2019 and ended on 24<sup>th</sup> of March 2019. The main motive for Aavartan to go there was to take part in its high-level Dance events and to enhance the dance level of the club. The events in which the members of Aavartan participated were Group Dance Competition, Terpsichore. The members participated in great zeal. The competition was as expected to be tough as national level competitions should be.

**SPORTS CLUBS:** The followings events/ activities were organized by the cultural clubs of students' gymkhana.

**Enthuse (Intra College Sports Fest):** ENTHUSE is an Intra – Institute sport fest of IIITDMJ. In this fest all the sports clubs conduct varieties of event for the students of institute. Students identify their talent through this fest. From the day the institute has started, ENTHUSE has been one of the major events in





the field of sport. Enthuse 2k18 was conducted on 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> of November 2018 and played between four different teams.

**GUSTO-2019** (Annual Sports Fest): Annual Sports fest of the Institute was organized during 26<sup>th</sup> to 28<sup>th</sup> of January 2019. The thirteenth edition of sports festival GUSTO was organized from 26 - 28 January 2019. All the sports have been conducted in league, round robin and knock out format. More than 500 hundred students from various institutes like MANIT Bhopal, JUET Guna, JEC Jabalpur etc have participated in all the sports during this festival. The result of the conducted sports is as follows-

SPORTS	RESULT
Cricket	Winner
Badminton(B)	Winner
Volleyball	Winner
Table Tennis	Winner
Football	Runner Up
Basketball(B)	Runner Up
Basketball(G)	Runner Up
Lawn Tennis	Runner Up
Badminton(G)	Semi Finalist



#### GLIMPSES OF GUSTO- 2019

**Inter IIIT Sports Meet-2019:** A group of 17 students had participated in Inter IIIT Sports Meet held at IIIT Allahabad from 14-02-2019 to 17-02-2019. The Institute won Gold in Badminton and Table Tennis and Bronze in Discus Throw in Inter - IIIT Sport Meet 2019 held at IIIT Allahabad from 14<sup>th</sup> - 17<sup>th</sup> February 2019.





### **SCIENCE & TECHNOLOGY CLUBS**

**ABHIKALPAN- 2019:** Institute Annual Tech fest- Abhikalpan was held during March 2-4, 2019. The first ever Techno-Design fest of India, ABHIKALPAN 19 marked its presence not only in Jabalpur and Madhya Pradesh, but in the complete central region of India. The 3 day extravaganza comprised of many Competitions, Workshops, the mesmerizing Army band, Intellectual Guest Lectures, Hackathons and many more. Many prominent personalities from the academia and the industry were present during the event. Mr Prasad Pendharkar, Mr Mani Madhukar, Mrs Neli Kools are a few to tell. The Stunt Show organised by KTM was a major attraction of Abhikalpan. Competitions like Robowar, Robothon, IBM Hackathon, Business Hackathon, Medical Hackathon, Automobile Quiz attracted a huge crowd from the surroundings.



### **STUDENTS PERFORMING DURING ABHIKALPAN 2019**

In the aspect of the field of design, Mr Sangwon Seok, one of the best Automobile Designer conducted a 2 day workshop during the fest. It was attended by 120 people from academia and industry. Apart from annual tech fest, the followings events/ activities were organized by the cultural clubs of students' gymkhana.

#### **ROBOTICS CLUB:**

The first session of the robotics club was held August 20, 2018 for the introduction of the first-year students to the Robotics world and to put forward the upcoming opportunities they are going to cherish in this club. One hundred seventy plus students from the first year attended the session along with twenty, second year students and five third year students.

**IIIT Delhi Trip:** SYA 18 (Annual Techfest of IIIT Delhi) was held between 17<sup>th</sup> and 18<sup>th</sup> August 2018, a team of five members went there from IIITDMJ for participating in Robotics and CAD events. It was a great exposure for the members who went there and an equally good experience for those who weren't able to go because of various reasons.





**Trip to IIT KANPUR:** four groups from Astronomy, AFC, Robotics and Electronics clubs participated in TECHKRITI 2019, an annual inter-collegiate technical and entrepreneurship festival of Indian Institute of Technology Kanpur, held during March 7-10, 2019. The performance of team of Astronomy club is follows:

Event	Result
AstroTreasure	WINNERS
Space Settlement	1st Runner up
Hackathon	WINNERS 2nd Runner up
Lost Explorer	WINNERS

**Trip to IIT Bombay:** A group of 15 students of AFC and CAD & 3 D printing club participated in Tech Fest at IIT Bombay held during December 14-16, 2018.

**Trip to IIT Gwalior:** Two teams comprising of 5 members from the Programming and Webix Club attended Techno-Management Fest of IIIT Gwalior on February '19. Team comprising of Rakshak Malhotra and Tanmay Debnath grabbed Runners' Up Position in the Hackathon.

**Programming & Webix Club, IIITDM Jabalpur:**

**Open Source Workshop {15<sup>th</sup> April, 2018}**

Coding Blocks in collaboration with The Training and Placement Cell and the Programming and Webix Club conducted a workshop on "Introduction to Open Source Development". Mr. Anuj Garg from Coding Blocks took the session. He is an open-source enthusiast and a Google Summer of Code intern under the RedHat Foundation.



### **OTHER ACTIVITIES**

#### **BitByte Independence Day Contest {15<sup>th</sup> August, 2018}**

Programming club conducted a short programming contest "BitByte Independence" hosted on Hackerearth. Help Bhagat Singh and our other patriotic leaders by solving the programming problems in the contest. Problem set contained 3 easy-medium problems and we'd tried to have short editorials for the problems too.

#### **Workshop on Getting Started with GSoC {21<sup>st</sup> August, 2018}**

An Interactive Session with Notable Alumni Mr. Abhijeet Dubey of 2012 CSE Batch. Upon passing out in 2016, he was in a serious dilemma. On one side, he had the unimaginable happiness of getting selected for the role of Software Development Engineer at Amazon, whereas, on the other, he had also secured an AIR 334 in GATE CSE and eventually succeeded in getting an admission at IIT Bombay for pursuing Masters in Machine Learning & Natural Language Processing. He had a tough choice to make and decided to pursue his research interests at IIT Bombay.

#### **Jabalpur Smart City Campus Hackathon [9<sup>th</sup> September, 2018]**

Alongwith the support of Jabalpur Smart City Limited [JSCL], we are proud to announce a Campus Hackathon with Prizes worth Rs. 50,000. The proposed Hackathon is a perfect blend of Innovation and Technology to come up with technology solutions to make the city smarter, and accompany them in a 24 hour hackathon organized at the Institute. The Teams were asked to identify & deploy cutting edge information technology resources with a viable business plan to be the best among all.

#### **Cryptocracker [30<sup>th</sup> September, 2018]**

Crypto-cracker is a 3-Monthly contest conducted by us which includes Logical & Programming Aptitude Questions which brushes up the Problem-Solving Skills of the Students. It consisted of 15 Questions which were prepared by our Active Members and it was conducted on the Institute's Intra-Net Contest Portal which is developed by the seniors. Overall, 60 Teams of 2 Students each participated and were present Onsite in the Computer Centre at the time of competition. There were Cash Prizes of Rs. 1000 for the Winners.

#### **Freshers Coding Round 2.0 [9<sup>th</sup> November, 2018]**

This contest was open for all to participate but prizes were only for the 1<sup>st</sup> Year. Overall there was a participation of 75 Students from the Institute, out of which 10 were 2<sup>nd</sup> Year and 65 were 1<sup>st</sup> Year Students. Students were ranked on the basis of maximum questions solved in less time. The questions were easy and were prepared by the 2<sup>nd</sup> year members. Simple algorithmic questions were made so that students can solve more number of questions. It was an "Invite Only" Contest. Links were sent to the students via e-mail so that they can access. Anyone with the Invitation Link can only access this contest.

#### **BitByte Republic Nation Contest [3<sup>rd</sup> Febraury, 2019]**

Programming Club of IIITDMJ organized BitByte Republic Nation Contest on HackerEarth. It was a 2:00 hrs competition with Easy-Medium problems to encourage the spirit of competitive coding after the 70<sup>th</sup> Republic Day. Problems had varying difficulty level and everyone enjoyed solving them.



### **Zeta Byte [7<sup>th</sup> February, 2019]**

Code Golf is a type of recreational computer programming competition in which participants strive to achieve the shortest possible source code that gets an AC. It is a competitive coding challenge for all the passionate programmers out there, but what makes it different is, you have to code short to fetch more marks. Lesser you code, better you score. Though what's priceless is solving interesting problems and the thrill of competition. To deal with it, you require a level patience and skill that escapes ordinary programmers & be the Champion! This Contest was a Practice Round for the Main Event in Abhikalpan '19.

### **Code Regime [9<sup>th</sup> February, 2019]**

"Code Regime" - A Technium Series event by Abhikalpan 2019. It was a 3 hrs Solo Coding Competition with Easy-Medium problems to encourage the spirit of Competitive Coding, supported by an ACM ICPC Styled Ranklist. Best chance to embrace oneself for the Main Team Event "Onsite Coding"..

### **IBM Cloud Workshop & Hackathon [3th March, 2019]**

The IBM Hackathon was one of the featured events of Abhikalpan 2k19. 52 Teams from within the institute and beyond had registered to attend the Workshop and be a part of 24-hours of coding, developing, debugging, cleaning and caffeinating. The event was presided over by Dr. Mani Madhukar, Program Manager at IBM India who was delighted upon witnessing the response received for the event. The problem statements for the Hackathon were released a day earlier.

### **Introduction to Android Workshop [9<sup>th</sup> March, 2019]**

Workshop on the basics of Android which made students aware of how apps work in different layouts and conditions. 30 Students attended the Workshop.

### **Johnson & Johnson Hackathon 2019**

Two students of Third Year CSE, Arjun Singh & Prateek Mittal, secured the Online Coding Round and received an invitation which was only sent to Top 200 participants to attend the Onsite Hackathon at Bengaluru in March '19.

**AUTOMOTIVE AND FABRICATION CLUB:** The club focuses on an overall development of the member, ranging from improvement in the character traits by a gain in the technical knowledge in the field of automotive, aerodynamics, unmanned aerial vehicles and basic fabrication techniques with a blend of improvement in the personality by participating in year round competitions held in the campus, and moreover participating in the technical festivals of other institutes such as IIT Bombay "Techfest" and IIT Kanpur "Techkriti"

### **EVENTS CONDUCTED IN SESSION 2018-2019**

**VIDEO CONFERENCING SESSION** - An interactive video conferencing session with our notable alumnus Mr. Pranav Shukla of 2012 ME Batch on Saturday, 1<sup>st</sup> September, 2018. Mr. Pranav Shukla joined us in the session from the USA.

Mr. Pranav Shukla is a highly skilled and knowledgeable engineer. His core interest lies in the field of Fluid Mechanics. He has done a considerable research in the field of Computational Fluid Dynamics. After passing out in 2016, he joined Virginia Polytechnic Institute and State University, Blacksburg, Virginia (commonly known as Virginia Tech), as a Visiting Research Scholar. He was also a Research Associate at the Indian Institute of Technology, Kanpur. Currently, he is pursuing Master of Science (MS), Engineering Science and Mechanics from



Virginia Tech itself. The questions addressed were based Career, Internships in IITs and abroad, Job opportunities in India and abroad and other relevant issues. He answered all the questions with utmost patience and diligence to an audience of 90+ undergrad students of our institute.

**WATER ROCKET** - An intra-college event held in the month of September was focused on teaching the basics of aerodynamics and variable mass system. This was the introductory event for the batch of 2018 and witnessed a heavy participation of 22 teams and 66 participants. The winners were Team TITANS lead by Piyush Sharma. The runner-ups were team DREAM CRUSHERS led by Kartik Mangal. A similar event was conducted in ABHIKALPAN 19 as well with participation from outside the institute as well.

**HOVERCRAFT** - The event was held in the second semester, in the month of January and was focused to teach the basics of hovering - a phenomenon of producing lift by excess air pressure. This also taught balancing of an object and precision fabrication. There were a total of ten teams participating and 20 participants. A similar event was conducted in ABHIKALPAN 19 as well with participation from outside the institute as well.

**ROBOTHON** - In this adrenaline filled event, bots race against time on an off road terrain to cross the finish line. The arena comprises of many hurdles, inclined plane, Z-shaped path, elevated curvature, stairs and many others. The event was conducted in ABHIKALPAN 19. The total numbers of teams participating were 18, with most of the teams from other colleges of Jabalpur.

### **हिंदी पखवाड़ा 2018**

प्रत्येक वर्ष की भांति इस वर्ष भी संस्थान में हिंदी पखवाड़ा 2018 मनाया गया जो कि 14 सितंबर 2018 से प्रारंभ हुआ तथा 28 सितंबर 2018 को समाप्त हुआ। राष्ट्र प्रत्येक वर्ष 14 सितंबर को हिंदी दिवस के रूप में मनाता है, क्योंकि इसी दिन संविधान सभा द्वारा वर्ष 1949 में हिंदी को राजभाषा के रूप में अपनाया गया।

पखवाड़े के दौरान कर्मचारियों एवं विद्यार्थियों हेतु विभिन्न प्रतियोगिताओं का आयोजन किया गया। लोगों ने उत्साह पूर्वक इन प्रतियोगिताओं में हिस्सा लिया। समापन समारोह 28 सितंबर 2018 को मनाया गया जिसमें अधिष्ठातागण एवं कुलसचिव तथा संस्थान के अन्य सदस्य उपस्थित थे। विभिन्न प्रतियोगिताओं के विजेताओं को पुरस्कार प्रदान किये गये।

### **Hindi Pakhwada – 2018**

Hindi Padkwada- 2018 was celebrated from September 14-28, 2018 and concluded on September 28, 2018. The day of September 14 is observed as Hindi Diwas in the nation because on that date the language Hindi was adopted as official language of the nation by the constituent assembly in the year 1949.

During the period various competitions were organized amongst staff members and students. People enthusiastically participated in these competitions. The closing ceremony was held on September 28, 2018. Deans, Registrar and other members of the Institute were present in the closing ceremony. Winners of various competitions were awarded with the prizes.



## **LIBRARY**

### **Introduction**

Institute library has shifted from Core Lab to new building Library-cum-Computer Centre, which is located almost in centre of all academic activities. The total space is approximate 700 Square meters. The space is divided into two halls of approximate size more than 200 and 350 square meters respectively and one lobby. The Library maintains stack section and references section separately. The library provides both online and offline materials to users. The collections are available in the form of CD, DVD, on-line databases, e-journals and print materials related to engineering and technology, applied science, management, humanities and other new emerging areas.



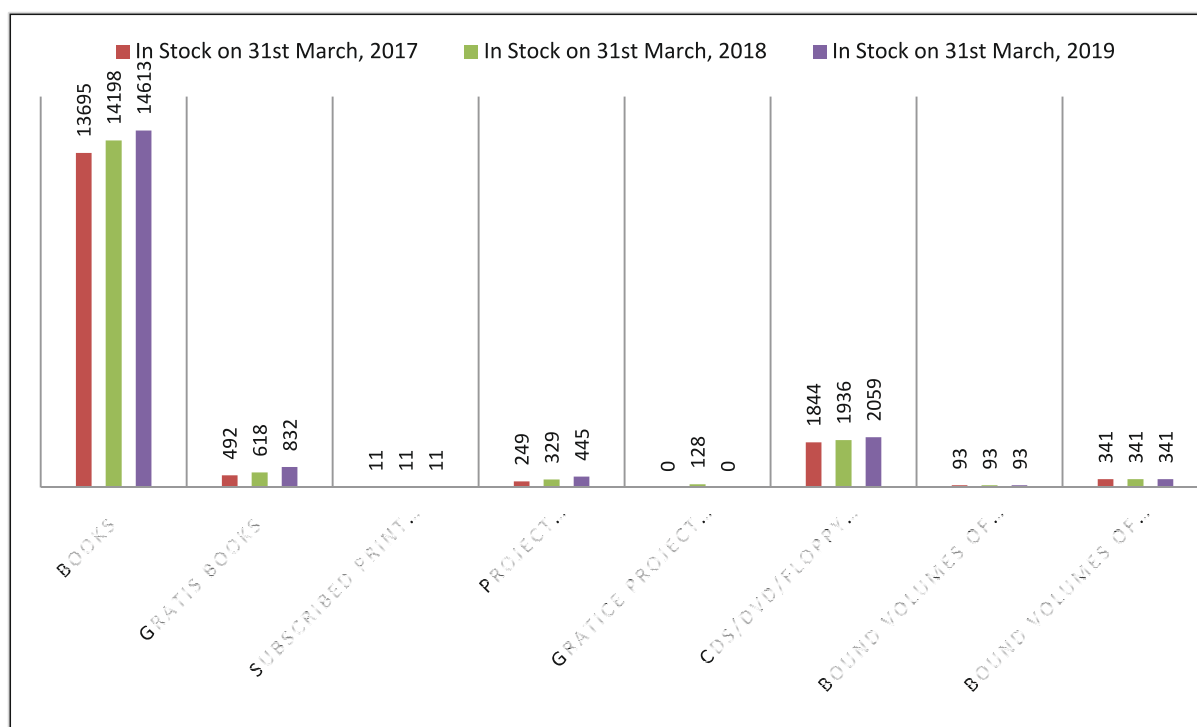
Institute library not only proactively work on its collection building and infrastructural augmentation, but also put a lot of emphasis on facilities for users.

### **Statistics Representation of Library Collection**

Collection development is one of the important functions of the library and plays a vital role in supporting academic curriculum and research activities of the users day by day and latest collection including in Institute library. The total collection of library as on 1<sup>st</sup> April 2018 to 31<sup>st</sup> March 2019 as follows:



Section - A				
Medium	Collection	In Stock On 31st March 2017	In Stock On 31st March 2018	In Stock On 31st March 2019
Documentary Sources (Print)	Books	13695	14198	14613
	Gratis Books	492	618	832
	Subscribed Print Journal	11	11	11
	Project Reports/Theses	249	329	445
	Gratis Project Reports/Theses	0	128	0
Non Documentary Sources (Non-Print)	CDs/DVD/Floppy (Received with Project Reports, Books & Magazines)	1844 (Book CD 1351, Floppy 1, Project Report 227, Magazine 265)	1936 (Book CD 1372, Floppy 1, Project Report 298, Magazine 265)	2059 (Book CD 1382, Floppy 2, Project Report 401, Magazine 274)
Archives (old)	Bound Volumes of Journals	93	93	93
	Bound Volumes of Magazines	341	341	341







<b>Section - B</b>					
<b>Medium</b>	<b>Collection</b>	<b>Procured In 2015-16</b>	<b>Procured In 2016-17</b>	<b>Procured In 2017-18</b>	<b>Procured In 2018-19</b>
Print Materials	Subscribed News Papers	20 (E-8, H-12)	19 (E-7, H-12)	19 (E-7, H-12)	19 (E-7, H-12)
	Subscribed Magazines	50	27	17	26
Non-Print Materials	Subscribed Online E-Resource (E-Journal)	33	2	7487	<u>14,114</u> *

\*Institute library have 19 nos. subject collection/databases (total 14114 nos. journals are available under subject collection/databases and individual journals).



**Hindi Collection** Besides the regular purchases of course books, Institute library has purchased Hindi books like: Novel, Inspiration books, Story books, famous personality books, Hindi awarded books etc. The total collection of Hindi books are 421 nos.

<b>Usages of Collection</b>		
<b>Sl. No.</b>	<b>Name of Particular</b>	<b>Average Usage Statistics</b>
1.	Internal library user visit in library	200 - 250 users per day
2.	External library user visit in library	02 - 03 users per month
3.	Circulation of books (Issue, Reissue and Return)	100 - 150 transactions per day
4.	Usages of Journals/Magazines	100 - 150 Nos. per day
5.	Usages of Reference Material	60 - 70 Nos. per day
6.	Usages of E-resource (Article Download)	9000 - 10000 Articles per month (Approx.)
7.	No. of Reference Queries	30 - 40 per day



### Circulation Desk and Reservation Counter:

The circulation desk provides check-in and check-out services of reading materials to the users and also providing personal assistance for general enquires about the library. The library provides advance reservation facility for those reading materials which have been already issued to other user. The library issues books to users as per their designations. Details of numbers of books and their validity are given below:

<i><b>Loan Criteria for Library Users</b></i>			
<i><b>Sl. No.</b></i>	<i><b>Member Category of the Institute Library</b></i>	<i><b>No. of books issue at a time</b></i>	<i><b>Loan duration</b></i>
1.	Faculty Member	20	180 days
2.	Research Engineer	20	180 days
3.	All Non- Teaching Member	05	30 days
4.	Post graduate student (PG and PhD.)	07	30 days
5.	Under Graduate Student (UG)	07 (Including Semester books)	15 days

### Developments of Library:

- Online Access of E-Resources:** The new consortia e-Shodh Sindhu (e-SS) is developed by MHRD and supported by INFLIBNET Centre, Gandhinagar, Gujarat. The consortia provided various e-resources to our



Institute like ACM Digital Library, ASME Journals Online, Springer, JSTOR, JGate Plus (JCCC), etc. Apart from this Institute has subscribed e-resources through various publisher like IEEE, Science Direct Subject Collection, Sage, AIP, IOP, AAAS which contains approximate 14,114 nos. of journals.





**List of e-Resources provided by eShodh Sindhu**

Sl. No.	Name of e-Resource	Details
1.	<a href="#">ACM Digital Library</a>	ACM Digital Library provides access to 53 peer reviewed scholarly journals; 8 technical magazines and complete collection of conference proceedings containing over 2,500 volumes of scholarly materials; and 37 technical newsletters.
2.	<a href="#">ASME Journals Online</a>	The ASME Collection provide access to 29 journals including Complete Package for ASME Journals + AMR
3.	<a href="#">Institute for Studies in Industrial Development (ISID) Database</a>	The Institute for Studies in Industrial Development (ISID) has developed databases with indexes of Indian Social Science Journals (OLI) and Press Clippings on various aspects of the Indian economy, concerning industry and the corporate sector.
4.	<a href="#">JGate Plus (JCCC)</a>	Provides Table of Contents (TOC)- For 49,144 e-journals and a comprehensive searchable database with 55,348,115 articles, with 10,000+ articles added every day.
5.	<a href="#">JSTOR</a>	Provides access to more than 3000 journals and primary content on access fee basis covering the JSTOR DNAI Collection and Business IV collection.
6.	<a href="#">MathSciNet</a>	Provides database of reviews, abstracts and bibliographic information for much of the mathematical sciences literature.
7.	<a href="#">Oxford University Press</a>	<b>262 titles</b>
8.	<a href="#">Springer Link</a>	<b>1700 Collection</b>
9.	<a href="#">Nature Journal</a>	Access to Nature Weekly Magazine.
10.	<a href="#">Web of Science</a>	Provides access to the world's leading citation databases which includes Science Citation Index Expanded (SCI-EXPANDED), Social Sciences Citation Index (SSCI) and Arts & Humanities Citation Index (A&HCI) with 20 year back-files on lease basis.

- 2. Online Access of National Digital Library (NDL) Resources:** Ministry of Human Resource Development under its National Mission on Education through Information and Communication Technology has initiated the National Digital Library of India (NDL India). It is being developed at IIT Kharagpur. During the year, library users actively access the resources provided by the NDL.



<i>List of NDL India e-Resources</i>		
<i>Sl. No.</i>	<i>Name of Resources/ Journal</i>	<i>Mode of Resources/Journal</i>
1.	World e-Book Library	Online
2.	South Asia Archive (SAA)	Online

<i>List of Subscribed e-Resources</i>		
<i>Sl. No.</i>	<i>Name of Resources/ Journal</i>	<i>Mode of Resources/Journal</i>
1.	<u>IEEE</u> : IEL Level II (5738)	Online
2.	<u>Science Direct</u> : (649)	Online
3.	<u>AIP</u> :19	Online
4.	<u>IOP</u> : 76	Online
5.	<u>Sage</u> : 04	Online
6.	<u>Science</u>	Online

3. **Library Opening and Closing Hours:** Institute library opens on Institute holidays to provide best facility to the users and timings are as follows:

<i>Library Timing</i>		
<b>Opening and Closing</b>		<b>Issue/re-issue/return timing</b>
<b>Monday to Friday (Including Institute Holiday)</b>	08:00 am to 11:00 pm	09:00 AM to 05:30 PM (Monday to Saturday)
<b>Saturday and Sunday (Including Institute Holiday)</b>	09:00 am to 08:00 pm	

4. **Book Bank:** Institute Library maintains book bank section for SC/ST students. This section contains approximate 978 nos. books, especially recommended text books and these books can be issued to SC/ST students only.



**Provides Other Services:**

- The WEB-OPAC is one of the most heavily used databases of the library and is accessible 24x7 via library web page. Besides listing all the documents available in the library, it allows on-line reservation, status of books, user details, overdue details, etc. Institute library is providing download facility of e-resources, CD-ROM of study materials in single platform.
- Reference service continued to help users to make full use of library resources and services. It renders necessary assistance to users in locating



information or document of their choice. Institute library provides references services to user in offline and online mode.

- **Information Alert Services:** The library from time to time alerts its users regarding latest information through e-mail and same is displayed in notice boards also. The under-mentioned alerts are provided to all library users:
  - a. New arrival Books.
  - b. New Subscribe E-Resources.
  - c. News arrival of other items.
  - d. Faculty and student publications.
  - e. Forthcoming conferences, seminar, workshop, other national and international events.
  - f. Scholarship and fellowship information.
  - g. Workshop/lectures for e-resources usage.
  - h. Trial/free access resources
- **Electronic Theses & Project Report:** Institute Library has preserved the theses and project report submitted by the postgraduate and doctoral students in electronic as well as print format. Submitted theses and project report have been uploaded on local server (Intra Web). Access and download facility are available 24x7 for all library users.
- **Newspaper Clipping Services:** Institute library also preserves Institute related news published in subscribed newspaper. It is preserved for future use. Institute library is planning the newspaper clipping alert service on monthly basis through e-mail.



### Latest Development

To digitize the library the following work are under progress:

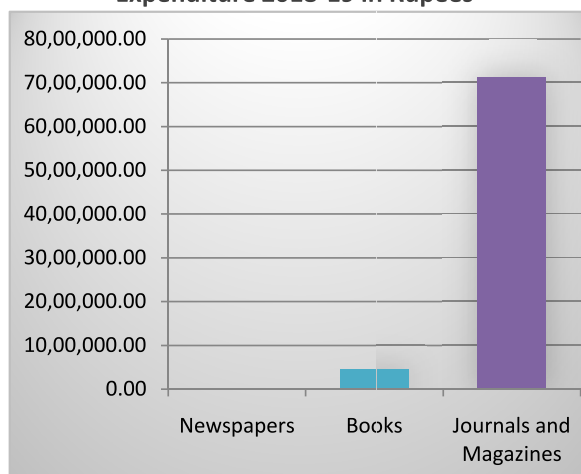
- \* **Procurement of RFID System:** Self check in/check out through Kiosk, Drop Box and Security Gate.
- \* **Update Library Automation:** Procurement of new library software to fulfil all the services. Like personal emails and message on mobile will be sent on due dates to users.
- \* **Procurement of CCTV Camera** For security purpose CCTV camera will be installed inside the library and reading halls.

### Future Plan

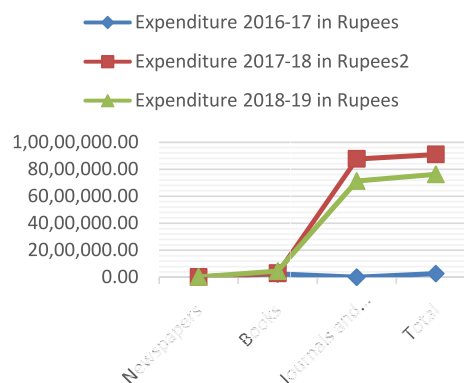
- \* **Digital Library:** 10-15 numbers of computers will be setup for digital library and users can easily access e-resources, e-journals, institutional repositories, etc. during library timing.
- \* **Reading Hall cum Group Study:** The library will provide a 24x7 reading room facility to students very soon.
- \* **Mini cafe:** A full night cafe (8 pm to 8 am)
- \* **Library Trainees: (02 Nos)**

Details of Expenditure				
Sl. No.	Items	Expenditure 2016-17	Expenditure 2017-18	Expenditure 2018-19
1.	Newspapers	Rs. 24,530.00 (Approx.)	Rs. 24,488.00 (Approx.)	Rs. 25857.00 (Approx.)
2.	Books	Rs. 2,39,446.00 (Approx.)	Rs. 2,95,860.00 (Approx.)	Rs. 4,60,269.14 (Approx.)
3.	Journals and Magazines	Rs. 0.00	Rs. 87,79,511.00 (Approx.)	Rs. 7133030.05 (Approx.)
Total		Rs. 1,79,30,398.33 (Approx.)	Rs. 2,63,976.00 (Approx.)	Rs. 76,19,156.19 (Approx.)

Expenditure 2018-19 in Rupees



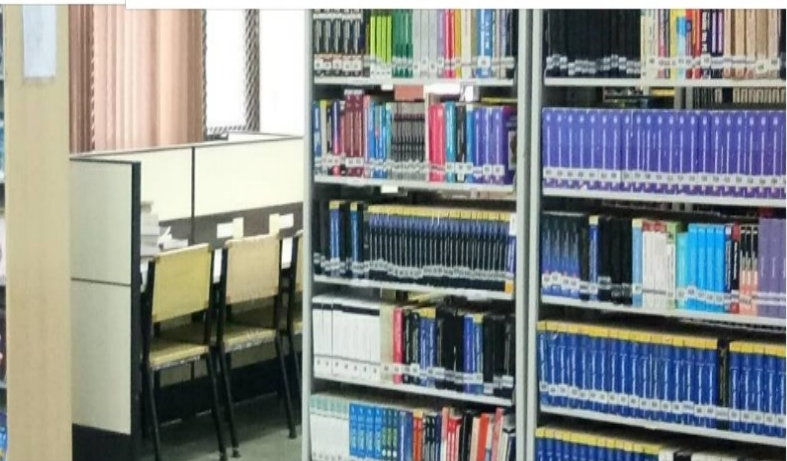
Details of expenditure in last three years







### *Photo Gallery*





## WORKSHOPS AND CONFERENCES

**CICT'2018:** The second edition of the conference CICT'2018 was held at PDPM IIITDM Jabalpur during 26-28 October 2018. CICT is a joint annual event of the four centrally funded Indian Institute of Information Technology (IIITs) viz. ABV IIITM Gwalior, IIIT Allahabad, PDPM IIITDM Jabalpur, and IIITDM Kancheepuram. CICT is focused on information & communication technology (ICT) domain and provides a forum to professionals from industry, academia, government agencies and other institutions to exchange their latest research information and ideas in the field of ICT.



GLIMPSES OF CICT 2018

CICT'2018 is technically sponsored by IEEE Bombay Section, IEEE UP Section, IEEE Madras Section, IEEE MP-Subsection, IEEE UP Section SP/C Joint Chapter and IETE Gwalior Sub-Centre. The conference is also financially sponsored by Brahmos Aerospace, MP Council of Science and Technology (MPCST) and IETE Gwalior Sub-Centre. The technical program of CICT'2018 features an array of keynote talks by eminent experts in the field of ICT along with two Tutorial Sessions, and a Women in Engineering (WiE) mini conference. The Conference also had a PhD symposium for providing a platform for recently graduated students to showcase their PhD work.

### **Faculty Development Program on Neuro-Fuzzy Systems and Evolutionary Optimization with Application, December 10-15, 2018:**

Artificial Intelligence is an emerging technology recently used in many industries and consumer applications such as Smartphones, networking, Public Transportation and Automation. These cutting-edge technologies relied on Artificial Neural Network, Fuzzy logics and Optimisation algorithms. This course is intended to cover key aspects of the Neuro-Fuzzy system and Nature Inspired Optimisation algorithms. The course will assist participants to enhance and develop these techniques along with hands-on experience on MATLAB & Simulink environment. By the end of the course the attendants will be able to apply these techniques on different inter-disciplinary applications to boost their research and teaching skills.







### INFRASTRUCTURE DEVELOPMENT

The Institute is developed over a sprawling area of 250 acres. The area is full of ups and downs creating a feeling of a hilly region. The flora and fauna around the Campus features the Campus neighbourly to the nature. The Dumna Nature Reserve located adjacent to the campus is a big asset for the campus creating healthy environment to the occupants.

The Campus is divided in to three parts, on the basis of type of dwelling population in these areas. The Academic area is located at the middle of the Campus. All the Academic buildings are located along a ring road in the area. The Primary Health Centre building is also located in this area. The Hostel area of the Campus is located at the one side of the Academic area and the Residential area, having staff / faculty quarters, is located on the other side. The whole Campus has a very good connectivity from one place to the other, through concrete roads and pathways. The 'First aid' and 'Ambulance' facility is available, round the clock, in the Campus. Keeping in view the distant location of the Campus from the city of Jabalpur, Bus facility has been provided to the students / faculties. The Institute buses ply daily, on a regular schedule, from the Campus to the Jabalpur Railway station, Bus stand and the other important commercial areas in the city.

The infrastructure facilities available in three different areas of the Campus are as under:

**A) Academic Area:** The Academic area of the Campus spreads along a circular road. The important academic and other buildings in this area comprise of the following:

- 1) Lecture Hall & Tutorial Complex:** It is the main Institute building, where all the academic activities are performed. Presently, the Design Studio is also accommodated in this building, in which the B.Des & M.Des Programmes are being carried out. The office of the Dean of Academic Affairs and the Dean of Student Affairs are also located this building. The building has Class Rooms, Lecture Halls of different sitting capacities. There are some Seminar Rooms and some PG Labs in the building, facilitating the requisite activities of PG Programmes. The Design Arena inside the Design Studio facilitates the design discipline as well as the other discipline students to display their design and innovative works. This area is also used to perform the Yoga activities in the Campus.



**Lecture Hall and Tutorial Complex**



- 2) **Core Lab Complex:** This is the first building in the Campus which had been taken into use by the Institute on shifting to its own Campus. The building contains Core Labs meant for earlier lab courses for UG Students. Presently, the Directorate, Training & Placement Cell, Central Library, Computer Centre and Account Section of the Institute are also located in the building. All these sections are supposed to be shifted very soon to the new buildings of which the balance works are on the completion stage by the CPWD.



**Core Lab Complex**

- 3) **Library cum Computer Centre:** The balance works pertaining to the building are on progress by the CPWD. The building is expected to be functional very soon. The building contains two separate blocks one for Computer Centre and other for the Central Library. The activities related with the Library and Computer Centre would be transferred to this building as soon as the new building becomes ready for use.



**Library cum Computer Centre**

- 4) **Administrative Block:** The building is located at the main entrance of the Institute. It has provision to accommodate the Directorate, Registrar office, Deans' offices, Account Section, Purchase & Store Section etc. The building has been inaugurated on 12/09/2018 and it would be taken into use, very soon.





**Administrative Block**



**Glimpses of Inauguration Ceremony of Administrative Block**

- 5) **Primary Health Centre (PHC):** The building is located at the junction of the ring road around the Academic area and the road approaching to the Residential area. The Doctors of different specialised fields are available in the PHC, daily, on a fixed schedule. The nursing staffs are available in the PHC, round the clock. Routine Health check-up camps and Blood donation camps are organised in the building.



**Primary Health Centre**



- 6) **Visitors' Hostel:** The building is located next to the Primary Health Centre building, on the road approaching to the Residential area of the Campus. It has 30 Nos. of single seated rooms and 06 Nos. of suits for the Institute guests and visiting faculties. In addition, a facility block having kitchen dining facilities, meeting hall etc. is located adjacent to the hostel block. The location of the building is so beautiful that the Institute guests staying in the building enjoy the nature.



**Visitors' Hostel**

- B) **Residential Area:** The residential area of the Campus is located in the south-east side. It has three towers, providing Residential flats to faculty and staff members. The whole residential area is well connected by a cement concrete Road network. The main buildings in this area are:

- 1) **Narmada Residency-II:** The building contains 55 Nos. of flats having two bedrooms, drawing cum dining room and a kitchen. Presently, both faculty and staff members are staying in different blocks in the building.



**Narmada Residency II**



- 2) **Narmada Residency-III:** The building is Ground plus Five storied building. The Ground floor has stilt parking. It has provision of 60 numbers of flats for faculty members. Each of the flat has three bedrooms, drawing cum dining room and a kitchen. The building is expected to be ready for use very soon.



**Narmada residency-III**

- 3) **Rewa Residency-2:** This building has 72 numbers of flats for staff members. Each flat contains 02 bedrooms, drawing cum dining hall and kitchen. The building is almost ready for use. It is going to be occupied as soon as the electrical and water supply for the building is commissioned by the CPWD.



**Rewa Residency 2**

**C) Hostel Area:**

1. **Hall of Residence I:** It is a single seated hostel building having provision for accommodating 404 students. The building has been divided into two parts, each having three blocks. In one part of the building, the girls students are being accommodated, because, presently, the Girls Hostel building of the campus is under construction. The girls' wing is fully isolated with the other parts of building. Apart from the hostel blocks, there is a facility block in the building accommodating recreational facilities like Reading Room, TV viewing room and Canteen, etc. for the students. The building is well connected with roads and pathways with other parts of the campus.





**Hall of Residence I**

2. **Hall of Residence III:** It is triple seated hostel building, having capacity to accommodate a total of 498 students. The building is well connected with roads and pathways, with the other buildings. The recreational facilities like TV viewing room, Dance and Drama room, Gymnasium, Canteen etc. are available inside the building, to facilitate the students for passing their leisure time. An indoor Badminton Court has also been created inside the building, with removable partitions. Beautiful lawns and greenery have been developed inside and outside of the building, for students to enjoy the nature, as and when they feel so.



**Hall of Residence III**

3. **Hall of Residence IV:** It is also a triple seated hostel building, having student capacity of 498. The building is connected with roads and pathways with the other parts of the campus. The building has Canteen, TV viewing room, Reading Room, Dance and Drama room etc. inside it, facilitating the students to pass their leisure time. Beautiful lawns and greenery have been developed inside and outside of building, for students to enjoy the nature, as and when they feel so.



**Hall of Residence IV**

4. **Mess and Dining Hall:** The building is centrally located in the hostel area, and has easy approach from all the hostels. The two floors of building have two different Mess. The building is connected with roads and pathways with all the Hostels, and other parts of the campus.



**Mess and Dining Hall**

5. **2 Nos. Type V Quarters:** The building is located in the hostel area. It is meant to provide residence facility for hostel wardens. The building includes two numbers of 2-BHK, duplex type quarters.
6. **Security Barrack:** It is located at the extreme end of the campus, towards Mehagavan Village. The building is meant to accommodate the security guards, during the period, when they are on wait for their shift duties.



**Security Barrack**

7. **Hall of Residence VII:** It is a PG hostel building having two parts.
- a. **Married Accommodation (Phase I):** The building has been taken into use, this year. The building has 98 numbers of one BHK flats for married PG students.
  - b. **Bachelor Accommodation (Phase II):** The hostel blocks of the building are almost completed except some Civil and Electrical work pending in the building. The building has provision of single seated rooms to accommodate the bachelor PG students. There is a facility block, well connected with the hostel units. The building is expected to be made functional very soon.



**PG Hostel Phase I and Phase II**

8. **Hall of Residence VIII (Girls Hostel):** The building has a capacity to accommodate 250 girls students. There is provision of a warden's residence inside the building. The structural part of the building is almost completed. The building is expected to be made functional very soon, by completing the balance works.





**Hall of Residence VIII (Girls Hostel)**

9. **Students Activity Centre:** The Basket Ball Court (Indoor), a part of the Student Activity Centre, has become functional. The structural part of the remaining buildings, including that pertaining to the amphitheatre has been completed. It is expected that the building shall be ready to use, very soon.



**Student Activity Centre**

**Tree Plantation Works:** The Horticulture works pertaining to tree Plantation works, maintenance of plants and lawns, near and around all the buildings, along the Roads and Pathways and other parts of the campus, have been carried out throughout the year. The plantation work in the campus is being done under the valuable consultancy services provided by the Tropical Forest Research Institute (TFRI), Jabalpur.



**ANNUAL ACCOUNTS (FOR THE FY 2018 - 19)**

**FUND AVAILABLE AND EXPENDITURE INCURRED DURING FY 2018 -19**

**(i) GRANT IN – AID RECEIVED DURING FY 2018-19**

<b>PARTICULARS</b>	<b>GIA ( Rs. In Lakhs)</b>
SALARY	900.00
GENERAL EXPENDITURE	1287.75
CAPITAL EXPENDITURE	5700.00
<b>TOTAL</b>	<b>7882.75</b>

**( ii) EXPENDITURE FOR FY 2018-19**

<b>PARTICULARS</b>	<b>GIA ( Rs. In Lakhs)</b>
SALARY	1496.04
GENERAL EXPENDITURE	1876.49
CAPITAL EXPENDITURE	4024.32
<b>TOTAL</b>	<b>7396.85</b>

**( A) SALARY EXPENDITURE FOR 2018-19**

<b>PARTICULARS</b>	<b>SALARY EXPENSES (Rs. In Lakhs)</b>
ACADEMIC	1002.31
NON – ACADEMIC	323.70
OTHER COMPONENT OF SALARY	170.03
<b>TOTAL</b>	<b>1496.04</b>





**(B) GENERAL EXPENDITURE FOR 2018-19**

<b>PARTICULARS</b>	<b>AMOUNT (Rs. In Lakhs)</b>
OUTSOURCED MANPOWER	697.39
ELECTRICITY	229.97
SCHOLARSHIP/ASSISTANTSHIP	556.96
REPAIR MAINTENANCE	46.04
TRAVELLING ALLOWANCE	24.25
TRANSPORTATION EXPENSES	25.57
HONORARIUM	48.17
STUDENT SUPPORT SERVICE	14.56
OTHER EXPENSES	124.38
CONTRIBUTION TO NPS	109.20
<b>TOTAL</b>	<b>1876.49</b>

**(C) CAPITAL EXPENDITURE FOR 2018-19**

<b>PARTICULARS</b>	<b>AMOUNT (Rs. In Lakhs)</b>
CIVIL & ELECTRICAL	3827.45
FURNITURE & FIXTURE	19.32
LAB & OFFICE EQUIPMENT	22.48
COMPUTER HARDWARE & SOFTWARE	73.55
BOOKS & JOURNALS	76.06
ELECTRICAL INSTALLATION	5.46
<b>TOTAL</b>	<b>4024.32</b>



**PANDIT DWARKA PRASAD MISHRA INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,  
DESIGN AND MANUFACTURING, JABALPUR**

**BALANCE SHEET AS AT 31ST MARCH 2019**

AMOUNT IN ₹

SOURCES OF FUNDS	SCHEDULES	CURRENT YEAR (FY 2018-19)	PREVIOUS YEAR (FY 2017-18)
CORPUS/CAPITAL FUND	1	344,19,78,533	300,84,94,171
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	0	0
CURRENT LIABILITIES & PROVISIONS	3	73,74,55,358	59,73,95,536
<b>TOTAL</b>		<b>417,94,33,891</b>	<b>360,58,89,707</b>
<b>APPLICATION OF FUNDS</b>			
<b>FIXED ASSETS</b>	4		
TANGIBLE ASSETS		66,51,40,884	63,97,31,127
INTANGIBLE ASSETS		80,21,337	87,75,822
CAPITAL WORK-IN-PROGRESS		239,89,28,565	201,65,02,810
<b>INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS</b>	5		
LONG TERM		0	0
SHORT TERM		0	0
<b>INVESTMENTS-OTHERS</b>	6	0	0
<b>CURRENT ASSETS</b>	7	68,96,19,107	54,46,44,812
<b>LOANS, ADVANCES &amp; DEPOSITS</b>	8	41,77,23,997	39,62,35,136
<b>TOTAL</b>		<b>417,94,33,891</b>	<b>360,58,89,707</b>
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTE TO ACCOUNTS	24		

(S.D. Gadekar)  
Deputy Registrar (F&A)

(S.D. Gadekar)  
Acting Registrar

(Sanjeev Jain)  
Director



PANDIT DWARKA PRASAD MISHRA INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,

**INCOME AND EXPENDITURE ACCOUNT  
FOR THE PERIOD 01/04/2018 TO 31/03/2019**

AMOUNT IN ₹

	PARTICULARS	SCHEDULE	CURRENT YEAR (FY 2018-19)	PREVIOUS YEAR (FY 2017-18)
<b>A</b>	<b>INCOME</b>			
	ACADEMIC RECEIPTS	9	10,15,12,027	7,14,50,080
	GRANTS / SUBSIDIES	10	24,61,84,482	30,10,40,887
	LOAN FROM INTERNAL CORPUS	1.2	9,10,69,761	5,89,79,206
	INCOME FROM INVESTMENTS	11	1,41,68,244	1,90,56,719
	INTEREST EARNED	12	3,36,276	7,19,107
	OTHER INCOMES	13	23,31,195	56,48,933
	PRIOR PERIOD INCOME	14	31,69,650	-12,44,000
	<b>TOTAL (A)</b>		<b>45,87,71,634</b>	<b>45,56,50,932</b>
<b>B</b>	<b>EXPENDITURE</b>			
	STAFF PAYMENTS & BENEFITS(ESTABLISHMENT EXPENSES)	15	14,96,04,472	17,98,95,887
	ACADEMIC EXPENSES	16	6,60,07,968	6,64,51,101
	ADMINISTRATIVE AND GENERALEXPENSES	17	11,41,39,657	10,87,74,651
	TRANSPORTATION EXPENSES	18	25,56,705	26,36,231
	REPAIRS & MAINTENANCE	19	49,30,894	22,54,660
	FINANCE COSTS	20	14,547	7,564
	DEPRECIATION	4	4,65,86,578	5,37,89,148
	OTHER EXPENSES	21	0	0
	PRIOR PERIOD EXPENSES	22	0	3,17,185
	<b>TOTAL (B)</b>		<b>38,38,40,821</b>	<b>41,41,26,426</b>
	<b>BALANCE BEING EXCESS OF INCOME OVER EXPENDITURE (A-B)</b>		<b>7,49,30,813</b>	<b>4,15,24,505</b>
	<b>TRANSFER TO INSTITUTE CAPITAL FUND</b>			
		9		
		11		
		12		
	INTERNAL INCOME	13	118347741	9,68,74,839
	BUILDING FUND		0	0
	<b>BALANCE BEING SURPLUS (DEFICIT) CARRIED TO GENERAL FUND</b>		<b>11,83,47,741</b>	<b>9,68,74,839</b>
	<b>BALANCE BEING SURPLUS (DEFICIT) CARRIED TO CORPUS FUND</b>		<b>(4,34,16,928)</b>	<b>(5,53,50,332)</b>
	SIGNIFICANT ACCOUNTING POLICIES	23		
	CONTINGENT LIABILITIES AND NOTE TO ACCOUNTS	24		

(S.D. Gadekar)  
Deputy Registrar (F&A)

(S.D. Gadekar)  
Acting Registrar

(Sanjeev Jain)  
Director



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**Indian Institute of Information Technology,**  
**Design & Manufacturing, Jabalpur**

**PANDIT DWARKA PRASAD MISHRA INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN AND MANUFACTURING, JABALPUR**  
**RECEIPTS & PAYMENT ACCOUNT**  
**FOR THE FINANCIAL YEAR 2018-2019**

AMOUNT IN ₹

S.No.	RECEIPTS	CURRENT YEAR (FY 2018-19)	PREVIOUS YEAR (FY 2017-18)	S.No.	PAYMENTS	CURRENT YEAR (FY 2018-19)	PREVIOUS YEAR (FY 2017-18)
	<b>I OPENING BALANCES</b>				<b>I EXPENSES</b>		
A)	CASH BALANCE	0	0	A)	STAFF PAYMENTS & BENEFITS	50,70,544	49,80,596
B)	BANK BALANCES			B)	ACADEMIC EXPENSES	6,26,10,403	5,76,35,505
i)	CANARA BANK GRANT A/C	0	0	C)	ADMINISTRATIVE AND GENERAL EXPENSES	3,14,91,963	2,94,60,774
ii)	SBI GRANT A/C	2,36,797	3,48,231	D)	TRANSPORTATION EXPENSES	8,95,881	9,30,824
iii)	ALLAHABAD BANK STUDENT FEE A/C	2,40,25,661	3,74,18,166	E)	REPAIRS & MAINTENANCE	16,65,419	16,00,552
iv)	SBI PROJECT A/C	0	0	F)	FINANCE COSTS	9,008	1,833
v)	SBI STUDENT FEE A/C	0	0		<b>PAYMENTS AGAINST</b>		
vi)	ALLAHABAD BANK GRANT CURRENT ACCOUNT	1,72,068	3,45,60,748	II	EARMARKED/ENDOWMENT FUNDS	37453393.00	94,40,172
vii)	ALLAHABAD GRANT SAVING BANK A/C	4,72,71,324	3,55,23,112		<b>PAYMENTS AGAINST SPONSORED</b>		
viii)	PROJECT A/C	0	0	III	PROJECTS/SCHEMES	3,06,94,093	1,13,28,992
a)	ALLAHABAD PROJECT A/C	7,84,29,286	3,60,53,290	IV	FELLOWSHIPS AND SCHOLARSHIPS		
b)	E&ICT ACADEMY A/C	8,89,71,700	1,18,99,817	A)	CENTRAL SECTOR SCHOLARSHIP	15,95,631	22,48,882
c)	STARTUP A/C	4,35,631	4,17,918	B)	EXTERNAL SCHOLARSHIP	38,29,200	15,95,200
d)	QIP	8,00,737		V	INVESTMENTS AND DEPOSITS MADE		
ix)	SBI TICKET A/C	1,12,848	1,84,351				
x)	SUBSIDIARY BANK ACCOUNTS				OUT OF EARMARKED/ENDOWMENTS		
a)	HALL 01	56,98,268	27,81,110	A)	FUNDS	8,00,00,000	0
b)	HALL 03	1,10,40,372	72,01,125	B)	OUT OF OWN FUNDS (INVESTMENTS- OTHERS)	25,86,87,260	0
c)	HALL 04	47,63,788	35,97,775	VI	TERM DEPOSITS WITH SCHEDULED BANKS		
d)	GYMKHANA	81,93,295	31,50,526	A)	INVESTMENTS AND DEPOSITS MADE	0	6,00,00,000
e)	LIBRARY	4,46,385	3,67,599	B)	INVESTMENTS AND DEPOSITS MADE (SUBSIDIARY ACCOUNTS)	0	25,00,000
f)	SBI-CPF/NEW PENSION A/C	0	0	VII	EXPENDITURE ON FIXED ASSETS & CAPITAL WORK-IN-PROGRESS		
			0	A)	PURCHASE OF FIXED ASSETS	17358083.07	1,26,17,246
				B)	EXPENDITURE ON CAPITAL WORK-IN- PROGRESS	0	0
	<b>II GRANTS RECEIVED</b>				<b>OTHER PAYMENTS INCLUDING</b>		
A)	FROM GOVT. OF INDIA (MHRD) (PLAN)- GENERAL	12,82,74,814	7,61,45,000	VIII	STATUTORY PAYMENTS		
B)	FROM GOVT. OF INDIA (MHRD) (PLAN) - FOR CREATION OF CAPITAL ASSETS	57,00,00,000	0	A)	ASSOCIATION FEE (OTHER INSTITUTION)	0	0
C)	FROM GOVT. OF INDIA (MHRD) (PLAN)- SALARY	9,00,00,000	14,50,00,000	B)	GIS (OTHER INSTITUTES)	7,200	7,200
	<b>III ACADEMIC FEE</b>			C)	GPF (OTHER INSTITUTES)	60,000	7,35,000
A)	ACADEMIC FEES	13,32,10,573	9,13,24,845	D)	GSLIS	2,54,918	2,58,792
B)	ADVANCE FEES RECEIVED	5,55,600	1,99,37,850	E)	PROFESSIONAL TAX PAID	2,39,672	2,96,992
C)	STUDENT CAUTION MONEY	0	0	F)	WCT PAID	0	12,389
D)	ALUMNI ASSOCIATION SUB.	0	0	G)	LABOUR WELFARE CESS	11,383	13,902
E)	STUDENT WELFARE FUND	0	0	H)	NEW PENSION CONT.	2,19,54,290	2,31,87,261
F)	EXCESS DEPOSIT FEE	23,222	50,600	I)	TDS PAID	2,34,02,374	2,19,45,493
G)	HALL MANAGEMENT ACCOUNT	0	0	J)	GST PAID	9,70,164	
H)	STUDENT BENEFIT ACCOUNT	0	0	K)	VAT PAID		2,89,700
	<b>RECEIPTS AGAINST EARMARKED/ENDOWMENT FUNDS</b>	2,93,49,759	7,25,03,588	L)	FLAG DAY CONTRIBUTION	0	11,090
IV	<b>RECEIPTS AGAINST SPONSORED PROJECTS/SCHEMES</b>	-7,22,34,432	37,79,006		<b>REFUNDS OF GRANTS/PROJECT A/C</b>		
V	<b>RECEIPTS AGAINST SPONSORED FELLOWSHIPS AND SCHOLARSHIPS</b>			IX	<b>CORPUS</b>		55,37,397
A)	CENTRAL SECTOR SCHOLARSHIP RECEIVED	35,09,496	29,42,617	X	<b>DEPOSITS &amp; ADVANCES</b>		
B)	EXTERNAL SCHOLARSHIP	37,75,200	15,76,000	A)	CPWD, BHOPAL	38,12,85,193	0
				B)	DGS&D		
				C)	ADVANCE TO ROBOCON		
				D)	ADVANCE FOR EXP STAFF & OTHER	22,99,916	17,05,925
VII	<b>INCOME ON INVESTMENTS FROM</b>			E)	DEW 2016		
A)	EARMARKED/ENDOWMENT FUNDS (E&ICT ACADEMY)	0	0	F)	STARTUP		
B)	OTHER INVESTMENTS	0	0				
C)	OTHER INVESTMENTS (SUBSIDIARY ACCOUNTS)	27,09,818	8,10,00,000	G)	ADVANCE TO NICSI	0	0



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<b>VIII INTEREST RECEIVED</b>			H) SECURITY DEPOSIT	0	35,000
A) INTEREST RECEIVED	86,96,822	1,22,13,677	I) EMD AND PBG	57,89,491	31,13,667
B) INTEREST RECEIVED (SUBSIDIARY ACCOUNTS)	0	5,62,113	J) SECURITY DEPOSIT-MPPKVCL	0	0
<b>IX INVESTMENTS ENCASHED</b>	0	0	K) ADVANCE TO DAVP	0	0
<b>TERM DEPOSITS WITH SCHEDULED BANKS</b>			L) ADVANCE TO OPTIMIZATION WORKSHOP	0	0
<b>X ENCASHED</b>			M) ADVANCE TO TFRI	0	0
A) INVESTMENTS AND DEPOSITS MATURED	25,04,63,428	6,00,00,000	N) ADVANCE TO INNOVATION PROJECT	0	0
B) ACADEMY	8,00,00,000				
<b>XI OTHER INCOME (INCLUDING PRIOR PERIOD INCOME)</b>			<b>XI OTHER PAYMENT</b>		
A) OTHER INCOMES	24,92,521	57,73,771	A) HALL MANAGEMENT ACCOUNT	70,49,762	1,22,25,874
<b>XII DEPOSITS AND ADVANCES</b>			B) STUDENT BENEFIT ACCOUNT	43,27,000	61,08,350
A) SECURITY DEPOSIT		1,21,000	C) STUDENT CAUTION MONEY	41,000	10,74,000
B) EMD AND PBG	33,56,141	19,47,000	D) EXCESS DEPOSIT FEE PAID	1,20,62,881	1,46,13,278
C) ADVANCE TO CSAB 2013	0	0	E) ALUMNI ASSOCIATION SUB. PAID	3,45,000	13,61,500
D) SECURITY DEPOSIT-MPPKVCL (CONTRACTORS)	0	0	F) STUDENT WELFARE FUND	0	0
E) REFUND BY DGS&D	0	0	G) INCOME TAX PAID	0	0
F) RECEIPTS FROM AMEC/NWSG WORKSHOP	0	0	H) ONLINE EXAM VYAPAM	0	0
G) ADVANCE FROM INNOVATION PROJECT	0	0	I) OTHER EXPENSES	32,24,854	1,77,62,972
H) ADVANCE FROM EXPENSES OF STAFF & OTHER	12,94,696	6,306	J) PROVISIONS PAID	10,55,26,216	10,45,23,431
<b>MISCELLANEOUS RECEIPTS INCLUDING</b>			K) CREDITORS PAID	11,64,95,382	9,85,50,296
<b>XIII STATUTORY RECEIPTS</b>			<b>XII CLOSING BALANCES</b>		
A) ASSOCIATION FEE (OTHER INSTITUTION)	0	0	A) CASH BALANCE	0	0
B) GIS (OTHER INSTITUTES)	0	0	B) BANK BALANCE		
C) GPF (OTHER INSTITUTES)	0	0	i) CANARA BANK GRANT A/C		
D) GSLIS	7,748	3,576	ii) SBI GRANT A/C	2,39,265	2,36,797
E) PROFESSIONAL TAX	208	208	iii) SBI STUDENT FEE A/C	0	0
F) WCT		3,247	iv) SBI PROJECT A/C	0	0
G) LABOUR WELFARE CESS	335	1,623	v) ALLAHABAD BANK STUDENT FEE A/C	5,36,97,199	2,40,25,661
H) NEW PENSION CONT.	0	0	vi) ALLAHABAD BANK GRANT CURRENT A/C	2,27,695	1,72,068
I) TDS RECOVERED	44,73,737	27,79,319	vii) PROJECT A/C		
J) VAT RECOVERED	4,59,098	2,03,647	a) ALLAHABAD PROJECT A/C	3,69,20,017	7,84,29,286
K) FLAG DAY CONTRIBUTION		11,090	b) E&ICT ACADEMY A/C	28,41,614	8,89,71,700
L) SERVICE TAX		731	c) STARTUP A/C	3,860	4,35,631
M) FINANCIAL SOFTWARE		46,787	d) QIP AICTE	44,91,696	800,737
<b>XIV ANY OTHER RECEIPTS</b>			viii) ALLAHABAD GRANT SAVING BANK A/C	24,91,56,871	4,72,71,324
A) NPS INTEREST & OTHER	85,25,626	0	ix) SBI TICKET A/C	418	1,12,848
B) OTHER RECEIPTS	64,27,188	2,80,06,223	x) AXIS Bank	97,46,502	
C) RECEIVABLE TO STUDENT	1,59,95,488	0	<b>x) SUBSIDIARY BANK ACCOUNTS</b>		
D) A/C RECEIVABLE	7,52,31,442	0	a) HALL 01	51,55,916	56,98,268
E) RECEIVED AGAINST PAYMENT OF COMPUTER	0	0	b) HALL 03	1,30,75,379	1,10,40,372
F) PROJECT CONSULTANCY PAYABLE	0	0	c) HALL 04	64,94,395	47,63,788
			d) GYM KHANA	1,01,58,103	81,93,295
			e) PG	20,49,445	
			f) LIBRARY	5,19,266	4,46,385
			g) SBI-CPF NEW PENSION A/C	0	0
			<b>XIII ANY OTHER PAYMENTS</b>		
			a) FEE RECEIVABLE STUDENT		
			b) INTEREST ON PROJECT A/C PAID		
			c) EXPENSES PAYABLE	57,11,474	11,26,412
<b>TOTAL</b>	<b>161,71,96,688</b>	<b>77,94,43,591</b>	<b>TOTAL</b>	<b>161,71,96,688</b>	<b>77,94,43,591</b>

*(Signature)*

(S.D. Gadekar)  
Deputy Registrar (F&A)

*(Signature)*

(S.D. Gadekar)  
Acting Registrar

*(Signature)*  
(Sanjeev Jain)  
Director



**Right to Information Act - 2005**

**Report (01-04-2018 to 31-03-2019)**

The Institute pays emphasis on the implementation of Right to Information Act 2005. Institute has been taking initiatives to make the system transparent and trying to upload maximum information on the website suo-moto for the citizens of India. The implementation of RTI Act 2005 is ensured by the officials designated for the purpose, who are as follows:

Shri Santosh Mahobia, Assistant Registrar Central Public Information Officer	Smt. Swapnali D Gadekar Acting Registrar First Appellate Authority	Prof. P N Kondekar Professor Transparency Officer
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Other details are given below:

No. of RTI application received in the Institute	: 23
No. of RTI application replied by the Institute	: 23
No. of first appeals received by the Institute	: 2
No. of decisions passed by the FAA of the Institute	: 2
Amount collected as RTI fee and additional fee	: 160/-