



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
2017-18



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DIRECTOR'S REPORT



Welcome to IIITDM Jabalpur family.

I congratulate all those who chose IIITDMJ, an Institution of National Importance with focus on IT enabled Design & Manufacturing to shape their future and contribute to nation building.

IIITDMJ is one of the first Institution setup by MHRD with a mandate to create a pool of skilled and trained engineers in the domain of Design & Manufacturing (D & M) in collaboration with Japanese Government. Accordingly, Institute imparts education in four major verticals (Design, Mechanical Engineering, Computer Science & Engineering and Electronics & Communications Engineering) of D & M. These four knowledge majors touch almost each and every technological advancement of these days.

Institute is an active partner in most of the flagship schemes of GOI (such as Make in India, Skill India, Startup India, Digital India, Unnat Bharat Abhiyan) and created an ecosystem to provide excellent opportunities to the students to mould their future as an innovator, thinker, entrepreneur and leaders of society to bring much desired socio economic change in the country.

Institute provides excellent opportunities to participate in extracurricular activities to shape your personality and bring best out of you. We as your mentor will exercise all our powers to assist and support you in all your academic, research and entrepreneurial endeavors.

I am sure the contribution by the members of IIITDMJ fraternity will definitely and significantly help in establishing us as an Enterprise of Knowledge.

I wish the very best to IIITDMJ in all its future endeavours.

ACADEMIC PROGRAMMES

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.

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:

Established in 2005 the Institute is imparting quality education in three basic fields of engineering, CSE, ECE and ME. With the graduate, master's and PhD programmes in these disciplines, the Institute also offers Graduate, Master and PhD programmes in Design, Master programme in Mechatronics, PhD programmes in Natural Sciences (Mathematics/ Physics/English).

Our UG programme continues to be a flagship programme and is also the most sought after and for which the entry is through the JEE Mains and entry in B.Des is through UCEED. Currently, the total student strength is 1504.

Total student strength visualized is 1915 by 2022.

Programme	2018	2019	2020	2021	2022
B.Tech	1100	1118	1174	1190	1200
B.Des	88	96	102	113	120
M.Tech	153	193	224	224	224
M.Des	57	55	60	60	60
Ph.D	106	154	210	265	311
Total	1504	1616	1770	1852	1915

CONFERENCES AND WORKSHOPS

Faculty members of the institute has organized national and international conferences and workshops on various topics such as Data Mining, IoT, Product Design and Manufacturing, Intellectual Property Rights, Smart Cities, Intelligent System etc. In these conferences and workshops faculty members have participated as Coordinator, Convener, Member - Program and Advisory Committee etc.

NIRF

Institute has participated in National Institutional Ranking Framework 2017 in Engineering discipline and received 91st rank. There were five parameters for ranking of institutes in engineering discipline such as Teaching and Learning Resources (TLR), Research and Professional Practice (RPC), Graduation Outcome (GO), Outreach and Inclusivity (OI), and Perception.



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 will conduct specialized / customized training programmes and research promotion workshops for corporate sector and educational institutions. It is envisaged that the Electronics and ICT Academy will become a central hub of activities on training, consultancy work and entrepreneurship programmes. The Academy has planned short term training programmes on fundamental and advanced topics in IT, Electronics and Communication and Product Design and Manufacturing with hands on training and project work using latest software tools and systems.

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

START-UP IIITDM JABALPUR

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



LIST OF START - UPS

- | | |
|--------------------------------------------------------|---------------------------------------------------|
| 1. Advance Solar Harvesting Agency, Jabalpur (A.S.H.A) | 6. Agricultural Machine System Design (AMSD) |
| 2. Robokriti India | 7. Bevesto |
| 3. Wollof Design | 8. easyshop 30 |
| 4. Omnia Services | 9. TechGalaxy |
| 5. Emnicent Design | 10. Next Big Innovation Labs Pvt. Ltd., Bangalore |

FACULTY ACHIEVEMENT

Core of the knowledge community of the Institute is its faculty drawn from institutions of eminence from India and abroad who strive to excel in research, teaching and institutional building. Institute faculty is working in a variety of areas in engineering, sciences, design, management and humanities. During the period 11 new faculty members joined the IIITDMJ family making the total faculty strength to 57. In addition, the Institute has 04 Technical Officers who also contribute in development of labs, practical sessions, mentoring of students in design and other projects. Further, the Institute invites eminent speakers from academics and industries to enrich the trans-disciplinary nature of education at Institute. Several eminent scholars from the country and Japan have visited the Institute and have contributed in the teaching programmes of the Institute. Some of the notable achievements of faculty are highlighted here.

Faculty Achievements

1. Dr Ayan Seal, Member of Editorial Review Board, International Journal of Risk and Contingency Management.
2. Dr Deepmala, awarded Session Chair Award in an International Conference on Innovative Research in Science, Technology and Management (ICIRSTM-17) at National University Singapore (NUS), Singapore during September 16-17, 2017.
3. Dr K K Soundra Pandian, awarded the Outstanding Scientist by Venus International Research Foundation, 2017.
4. Dr Lokendra Kumar, Technical Committee Member of International conference on Applied Physics and Mathematics, Phuket, Thailand- January 27-29, 2018.
5. Dr Manoj Singh Parihar, Best paper award on "A Design of Compact Planar Active Integrated Inverted-F Antenna (AI-PIFA) for Mobile Handsets" in International Conference on Optical and Wireless Technologies 2017 (OWT-2017) at MNIT, Jaipur.
6. Prof Puneet Tandon, Member, International Organizing Committee Asia - Computer Aided Design Conference and Exhibition, CAD-17, Okayama, Japan.
7. Dr Saurabh Pratap, Outstanding reviewer of International Journal "Computers & Industrial Engineering".
8. Dr Shivdayal Patel, Best Paper award "Probabilistic Dynamic Analysis of Composite Plates for Damage Initiation Due to Low Velocity Impact" INCRS-2018.
9. Prof Vijay Kumar Gupta, Member, Technical Programme Committee, International conference on Computational Material Science and Thermodynamic Systems.



JENESYS (Japan-East Asia Network of Exchange for Students and Youths) Program.

The JENESYS program is coordinated by Japan International Cooperation Agency (JICA) to promote a people-to-people exchange between Japan and other countries. The main objective of this program is promoting a global understanding of Japan's society, history, diverse culture, politics and technological achievements and to spread this understanding. This year, twenty nine students from our institute with Dr. N R Jena as the faculty supervisor visited Japan as per the JENESYS 2017 programme December 2017. First, they went to Tokyo, where JICA representatives conducted an orientation program and handed over the complete schedule of the visit. They explained the expectations for and roles of delegates and assigned two coordinators to our group in order to coordinate the complete tour.

INDO-JAPANESE COLLABORATION

IIITDM Jabalpur is the first academic Institute in India, which is being set up as 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 to 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

S. No.	MOU	Name of company	Year of Signing
1.	Agreement with CDSL Ventures Ltd. Mumbai for digitization of academic degrees.	CDSL Mumbai	September 29, 2017
2.	Regarding Joint Research program, joint design, Research and development, Exchange of knowledge resource, Exchange of Faculty and Engineers.	BrahMos	August 16, 2017
3.	Regarding academic exchange and cooperation.	Chiba University, Japan	July 26, 2017
4.	MoU for mechanization and automation of agricultural equipment and other related developments to increase efficiency of the machines and reduce the cost of farming.	Directorate of agricultural engineering, Govt. of MP	October 7, 2017
5.	For technical training programs, industrial training, joint R&D, academic visit etc.	IIITM Gwalior	May 22, 2017
6.	Regarding technical training programs, industrial testing and use of laboratories, joint R&D, industrial visit, summer internship/final placement programs, visit of faculty and guests.	Zeus Numerix Pvt. Ltd (ZNPL) Mumbai	July 24, 2017



7.	For support by the Institute in area of engineering design and manufacturing to OFK, exposure to OFK technology, solving technical programs faced by the OFK, joint research, use of laboratory technical facilities of each other	OFK Jabalpur	October 13, 2017
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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. During the year under report, the T & P Unit was not only able to arrange effective summer training , Project based internship for the students but also was successful in obtaining stipends and other facilities for many of them. 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 the campus interviews. The process began with invitation to companies to visit the Institute.

This year the key focus of the placement office was to prepare well rounded students for their placement in the industry.

A large number of placement preparatory activities were conducted this year for the students.

These included preparatory programmes to enhance communications skills, interview skills and group dynamics. The successful student placement in 2017-2018 clearly demonstrated the demand of PDPM-IIITDMJ graduates among the top recruiters in various segments of the economy. The recruiters appreciated the high-level of knowledge and training of our students. A majority of our past recruiters held their faith in our student's abilities and came to recruit. The year also saw several new organisations visiting PDPM-IIITDMJ for the first time, and we look forward to fostering long-term relationship with all these organisations. The success of the placement endeavour can be attributed to the outstanding quality of our students as well as the tremendous support provided by the institute administration, academic units, faculty and staff, alumni and other well- wishers. The efforts of the Placement Cell is well appreciated.

STAFF

The Institute takes pride in having committed staff on its roll. The staff members are encouraged to participate in training programmes. Institute gives sufficient opportunities to its Staff and Officers by participating in training programmes to enhance their skill sets and for delivery of quality service. In-house training/workshops were also conducted for the staff to update and sharpen their professional skill.



FINANCIAL REPORT 2017-18

1. An amount of Rs. 2961.45 lakhs was sanctioned as the plan grant to the institute in the FY 2017-18. Internal income of the Institute for the FY 2017-18 was Rs. 968.74 lakhs which has been transferred to the Institute Corpus Fund.
2. At the end of the Financial Year 2017-18 the Institute corpus was Rs. 4100.49 lakhs. Out of which Rs. 1839.56 lakhs has been given as loan to the 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 1/4/2017	319.87	-1039.56	1.37	-718.32
Grant received during the FY 2017-18	1750.00	1211.45	NIL	2961.45
Total Funds Available	2069.87	171.89	1.37	2243.13

Out of the total available funds, an amount of Rs. 3807.46 lakhs 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	2069.87	171.89	1.37	2243.13
Expenditure incurred	1798.96	1801.24	207.26	3807.46
Balance funds as on 31/3/2017	270.91	1629.35	205.89	1564.33

- (i) Meeting of Deficit and balance amount: The deficit was Rs. 524.77 lakhs which was met from the loan taken from Institute Internal Corpus.
- (ii) The opening balance of Institute corpus was Rs. 2107.41 lakhs and Rs. 968.74 lakhs were added from the internal incomes. Out of which Rs. 800 lakhs loan was given to the Institute for meeting General and Capital Expenses. The closing balance of the Institute Internal Corpus as on 31/3/2018 was Rs. 2260.93 lakhs.



INFRASTRUCTURE

The Institute has made consistent efforts in building its infrastructure to cater to the needs as per its envisaged plans and for better amenities. Visitor's Hostel, Primary Health Centre and Basket Ball Court Complex have been made functional.

OTHER ACTIVITIES

- The "Hindi Pakhwada" was celebrated during September 14-28, 2018. During this period many events were organized like-quiz, Debate, Handwriting and poster painting competition, slogan, essay and poem writing competitions etc.
- Institute's Primary Health Centre is providing good medical services including psychological counselling to the institute community. Free health check-ups/diagnosis is being conducted regularly for students, employees & their family.
- The Institute has also conducted Swachhata Abhiyan throughout the year in the campus and nearby villages with active participation of students, faculty and staff members as part of Swachh Bharat Abhiyan.
- Institute NSS team is working actively in 05 nearby villages. NSS volunteers are educating and creating awareness about cleanliness, adult literacy and water problems etc. among the villagers.
- Since 2010, Institute's students are devoting their time and energy to educate the children of nearby villages under the student's club called "JAGRITI". Our students are conducting regular classes in the campus every day. These student volunteers are also educating these kids on various skills such as music, rangoli making, dramatics etc. for their wholesome development.

This year has been a year of achievements and the campus has also witnessed enormous progress in every field. Students, faculty and staff have made significant contribution in building the traditions and culture of the Institute.

Sanjeev 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 the Jabalpur Engineering College. Prof Sanjay G. Dhande, Director, IIT Kanpur was given the additional charge as the Director of the Institute. Simultaneously, the 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 deep rooted 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 + 4 Technical Officers			
No. of Officers	06			
No. of Support Staff	43			
No of Students	UG- 1124, Masters- 195, Ph.D. – 93, Total - 1412			
Academic Programmes	<ol style="list-style-type: none"> 1. B.Tech -Computer Science and Engineering 2. B.Tech -Electronics and Communication Engineering 3. B.Tech -Mechanical Engineering 4. B.Tech -Design 5. M.Tech-Computer Science and Engineering 6. M.Tech-Electronics and Communication Engineering 7. M.Tech -Mechanical Engineering 8. M.Tech- Mechatronics Engineering 9. M.Tech-Design 10. Ph.D- Computer Science and Engineering 11. Ph.D- Electronics and Communication Engineering 12. Ph.D- Mechanical Engineering 13. Ph.D- Design 14. Ph.D-NS(Mathematics) 15. Ph.D-NS(Physics) 16. Ph.D-NS(English) 			
Convocation 2017	Degrees Awarded: B.Tech -215, M.Tech-67, M.Des - 25, Ph.D-18			
Campus	100000 Sqm			
Constructed buildings (Plinth Area)	69966 Sqm			
Building under construction (Plinth Area)	56812 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		
	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		
Income (2017-18) Rs. In Lakh	Grant in Aid	Unspent balance of FY 2016-17		
	2961.45	321.25/-1039.56		
Expenditure (2017-18) Rs. In Lakh	Capital (Head 35)	General (Head 31)	Salary (Head 36)	Total
	207.26	1801.24	1798.95	3807.45



GOVERNANCE

Administration and Governance: The Institute is now governed under the IIIT 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

Dr Kota Harinarayana
DS Kothari DRDO Chair – ADA

Chairman (01-04-2017 to 01-12-2017)

Prof Pramod Kumar Jain
Director, PDPM IIITDM Jabalpur

Acting Chairman (02-12-2017 to 11-12-2017)

Prof S G Deshmukh
Officiating Director, PDPM IIITDM Jabalpur

(Acting Chairman (12-12-2017 onwards)

Shri D M Gupta, IOFS (Retd.)
Former DGOF & Chairman,
Ordnance Factory Board

Member

Prof Sudhir K Jain
Director, IIT Gandhinagar

Member

Prof Harish Karnick
Professor, IIT -Kanpur

Member

Shri Sanjiv Mittal
Joint Secretary (HRD),
Dept. of Electronics & Information Technology
Govt. of India

Member (01-04-2017 to 25-10-2017)

Dr B. K. Murthy
Scientist 'G'
Dept. of Electronics & Information Technology
Govt. of India

Member (from 26-10-2017 to 31-03-2018)



Board of Governors

Name of Member	Designation
Ms. Tripti Gurha Director (IIITs)	Member (Ex-Officio) (01-04-2017 to 26-03-2018)
Shri Prashant Agrawal Director (IITs/IIITs)	Member (Ex-Officio) (27-03-2018 onwards)
Shri Mohd. Suleman (IAS) Secretary, Dept. of IT, Govt. of MP	Member (Ex-officio)
Dr Sankar K Pal Distinguished Scientist and Former Director, Indian Statistical Institute, Kolkata	Member
Prof Pramod Kumar Jain Director PDPM-IIITDM, Jabalpur	Member (Ex-officio) (01-04-2017 to 11-12-2017)
Prof S G Deshmukh Officiating Director PDPM-IIITDM, Jabalpur	Member (Ex-officio) (12-12-2017 onwards)
Prof Janat Shah Director IIM, Udaipur	Member
Prof P N Kondekar PDPM-IIITDM, Jabalpur	Member
Prof Vijay Kumar Gupta PDPM-IIITDM, Jabalpur	Member
Shri R P Dwivedi Registrar PDPM IIITDM, Jabalpur	Secretary (Ex-officio)(01-04-2017 to 07-05-2017)
Smt. Swapnali D Gadekar Acting Registrar PDPM IIITDM, Jabalpur	Secretary (Ex-officio) (08-05-2017 onwards)

Three meetings of the BOG were held during the year 2017-18.



Finance Committee

Name of Member

Designation

Dr Kota Harinarayana
DS Kothari DRDO Chair – ADA

Chairman (01-04-2017 to 01-12-2017)

Prof Pramod Kumar Jain
Director, PDPM IIITDM, Jabalpur

Acting Chairman (02-12-2017 to 11-12-2017)

Prof S G Deshmukh
Officiating Director, PDPM IIITDM, Jabalpur

(Acting Chairman (12-12-2017 onwards)

Prof Pramod Kumar Jain
Director
PDPM IIITDM, Jabalpur

Member (Ex-officio) (01-04-2017 to 11-12-2017)

Prof S G Deshmukh
Officiating Director, PDPM IIITDM, Jabalpur

Member (12-12-2017 onwards)

Ms. Tripti Gurha
Director (IIITs)

Member (Ex-Officio) (01-04-2017 to 26-03-2018)

Shri Prashant Agrawal
Director (IITs/IIITs)

Member (Ex-Officio) (27-03-2018 onwards)

Shri Ashok Maheshwari
Director (Finance), MHRD

Member (Ex-officio)

Shri D M Gupta, IOFS (Retd.)
Former DGOF & Chairman,
Ordnance Factory Board

Member

Shri Munish Malik
Finance Officer
IIT, Kanpur

Member

Shri Naresh Joshi
Assistant Registrar (F&A)
PDPM IIITDM, Jabalpur

Secretary (Ex-officio)

Two meetings of the Finance Committee were held during 2017-18.



Building and Works Committee

Name of Member	Designation
Prof Pramod Kumar Jain Director, PDPM IIITDM, Jabalpur	Chairman (01-04-2017 to 11-12-2017)
Prof S G Deshmukh Officiating Director, PDPM IIITDM, Jabalpur	Acting Chairman (12-12-2017 onwards)
Shri D M Gupta, IOFS (Retd.) Former DGOF & Chairman, Ordnance Factory Board	Member
Shri Atul Kumar Pandey Project Engineer-cum-Estate Officer IIT, Indore	Member
Prof P N Kondekar Dean (P&D), PDPM IIITDM, Jabalpur	Member
Shri Ajay Singh Chief Engineer, DRDO, New Delhi	Member
Shri Anil Kumar Pandey SE (Electrical), MPPKVCL, Jabalpur	Member
Shri R P Dwivedi Registrar PDPM IIITDM Jabalpur	Secretary (Ex-officio) (01-04-2017 to 07-05-2017)
Smt. Swapnali D Gadekar Acting Registrar PDPM IIITDM Jabalpur	Secretary (Ex-officio) (08-05-2017 onwards)

One meeting of the B&WC was held during 2017-18.



Senate

Name of Member

Designation

Prof Pramod Kumar Jain
Director, PDPM IIITDM, Jabalpur

Chairman (Ex-officio)
(01-04-2017 to 11-12-2017)

Prof S G Deshmukh
Officiating Director, PDPM IIITDM, Jabalpur

Acting Chairman (Ex-officio)
(12-12-2017 onwards)

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)

Prof Aparajita Ojha
PDPM IIITDM, Jabalpur

Member



Senate

Name of Member	Designation
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
Shri R P Dwivedi Registrar PDPM IIITDM Jabalpur	Secretary (Ex-officio) (01-04-2017 to 07-05-2017)
Smt. Swapnali D Gadekar Acting Registrar PDPM IIITDM Jabalpur	Secretary (Ex-officio) (08-05-2017 onwards)

One meeting of the Senate was held during 2017-18.



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 Vinod Kumar Jain (Member, Hostel Warden, Hall-IV)
Dr Matadeen Bansal (Member, Hostel Warden, Hall-III)
Dr Sangeeta Pandit (Member, Associate Hostel Warden, Hall-I)
Dr Pavan K Kankar, Member (Faculty Member other than Warden)
Mr. Aman Chetani, Member (Representative of Counseling Service)
Anubhuti Gupta, Member (Representative of Counseling Service)

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 (Convener)
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

Name and Designation	Professional Details	Areas of interest & Specialization
----------------------	----------------------	------------------------------------



Prof Pramod Kumar Jain
Director
(Upto 11-12-2017)

PhD from University
of Roorkee

CAD/CAM, CAPP; Concurrent Engineering: Design for Manufacture, Design for Assembly, Tolerance Design
Manufacturing Systems, Modelling and Simulation, FMS, CMS, RMS, Agent Based Systems, Scheduling Operations Management, Capacity Planning, Loading and Scheduling, Resource Planning
Machining Science, Conventional and Unconventional both (EDM, WEDM, ECM, ECH etc.)
Surface Engineering, Coatings



Prof S G Deshmukh
Officiating Director
(from 12-12-2017 onwards)

PhD from
Bombay

IIT
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
Computaion.



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 K
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 Jawar Singh
Associate Professor

PhD from
University of
Bristol, UK

VLSI, Low Power System Design,
Biomedical System Design,
Instrumentations



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)

PhD 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 Ruchir Gupta
Assistant Professor
(Grade I)
(Upto 04-06-2017)

PhD from IIT
Kanpur

Computer Networks



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 cylindrical
gate gate-all around
MOSFETs



Dr Kusum Kumari Bharti
Assistant Professor
(Grade II)

PhD from ABV-IIITM
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 Samrat Rao
Assistant Professor
(Grade II)
(Upto 01-12-2017)

PhD from Indian
Institute of Science,
Bangalore

Atmospheric Dynamics
(Aspects of the Tropical
Easterly Jet using a General
circulation Model
(Mechanical Engineering)



Dr Sachin Kumar
Assistant Professor
(Grade II)
(Upto 14-05-2017)

PhD from IIT
Roorkee

Design



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)

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



Shri 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



Shri D S Ramteke
Technical Officer

Pursuing PhD from IIT
Indore

Machine Design



Shri Saket Saurav
Technical Officer
(Upto 31-08-2017)

Pursuing PhD from IIIT
Hyderabad

Robotics, Embedded,
C/C++ and VB/VB Net
Programming,
Nanosatellite and
System Engineering



Shri Mohd. Sharique Husain
Technical Officer

BE from RGPV Bhopal



OFFICE ADMINISTRATION

GROUP 'A' OFFICERS



Shri R P Dwivedi
MCA, MPM, LLB

Acting Registrar
01-04-17 to 07-05-2017



Smt. Swapnali D Gadekar
MBA

Acting Registrar
08-05-2017 to 31-03-2018
Deputy Registrar
(Academics
Students Affairs)
Secretary (BOG)
First Appellate Authority (RTI)



Shri Vijay Kumar Dubey
Civil Engineering, MBA

Executive Engineer (Civil)



Shri Naresh Joshi
MSc

Assistant Registrar
(Finance and Accounts
General Administration)



OFFICE ADMINISTRATION



Shri Rizwan Ahmed
MSc

Assistant Registrar
(Establishment
Purchase & Stores)



Shri Santosh Mahobia
MBA

Assistant Registrar
(Directorate
Faculty Affairs
Internal Audit) /
Official Language Officer



Smt. Menika Patel
MLib

Assistant Registrar
(Library)



STAFF

GROUP 'B' STAFF

Sr. 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.	Smt. 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



STAFF

GROUP 'C' STAFF

Sr. 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
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 Bopde	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 joined the IIITDMJ family during April 1, 2017 to March 31, 2018

Sr. No.	Name	Designation	Date of Joining
1.	Dr Dip Prakash Samajdar	Assistant Professor (Grade II)	02-05-2017
2.	Dr Harpreet Singh	Assistant Professor (Grade II)	08-05-2017
3.	Dr Atul Kumar	Assistant Professor (Grade II)	15-05-2017
4.	Dr Shiv Dayal Patel	Assistant Professor (Grade II)	16-05-2017
5.	Dr Saurabh Pratap	Assistant Professor (Grade II)	01-06-2017
6.	Dr Mohana Ghosh	Assistant Professor (Grade II)	29-06-2017
7.	Dr Irshad Ahmad Ansari	Assistant Professor (Grade II)	30-06-2017
8.	Dr Trivesh Kumar	Assistant Professor (Grade II)	30-06-2017
9.	Dr Tripti Singh	Assistant Professor (Grade II)	03-07-2017
10.	Dr Ravi Panwar	Assistant Professor (Grade II)	05-07-2017
11.	Dr Himansu Sekhar Nanda	Assistant Professor (Grade II)	05-10-2017

Members who left the IIITDMJ family during April 1, 2017 to March 31, 2018

Sr. No.	Name	Designation	Date of Resignation
1.	Dr Sachin Kumar	Assistant Professor (Grade II)	14-05-2017
2.	Dr Ruchir Gupta	Assistant Professor (Grade I)	04-06-2017
3.	Shri Saket Saurav	Technical Officer	31-08-2017
4.	Dr Samrat Rao	Assistant Professor (Grade II)	01-12-2017
5.	Prof Pramod Kumar Jain	Director	11-12-2017



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.Tech	-	Design

Postgraduate programmes:

The Institute runs M. Tech and Ph.D programmes in the following disciplines:

M.Tech	-	Computer Science and Engineering (CSE)
M.Tech	-	Electronics and Communication Engineering (ECE)
M.Tech	-	Mechanical Engineering (ME)
M.Tech	-	Mechatronics Engineering
M.Tech	-	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	-	NS (Mathematics)
Ph.D	-	NS (Physics)
Ph.D	-	NS (English)



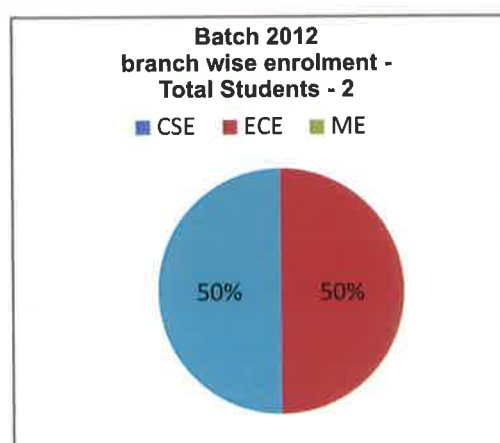
ACADEMIC AND STUDENTS ENROLMENT

Undergraduate Programmes

(I) B.Tech Programme- Students Enrolment

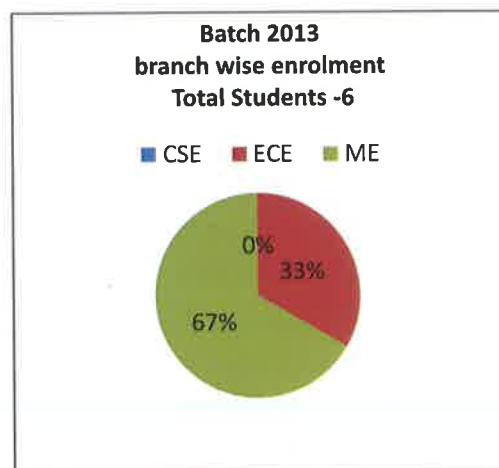
2012 Batch

Branch	OP	OB	SC	ST	Total
CSE	0	1	0	0	1
ECE	0	0	1	0	1
ME	0	0	0	0	0
Total	0	1	1	0	2



2013 Batch

Branch	OP	OB	SC	ST	Total
CSE	0	0	0	0	0
ECE	0	0	1	1	2
ME	1	1	0	2	4
Total	1	1	1	3	6

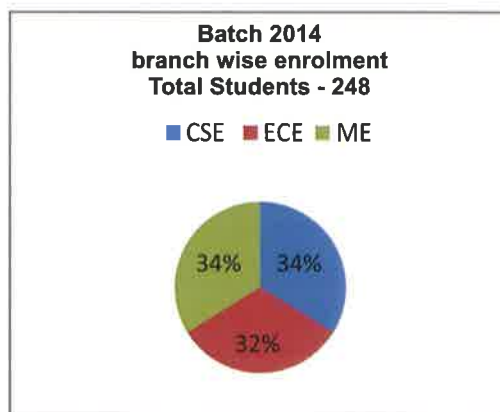




ACADEMIC AND STUDENTS ENROLMENT

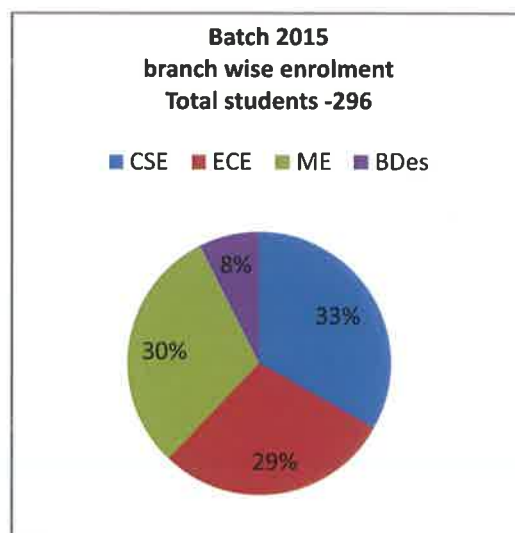
2014 Batch

Branch	OP	OBC	SC	ST	Total
CSE	41	25	11	7	84
EC	45	20	10	5	80
ME	36	28	15	5	84
Total	122	73	36	17	248



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
B.Des	13	5	2	2	22
Total	143	85	45	23	296

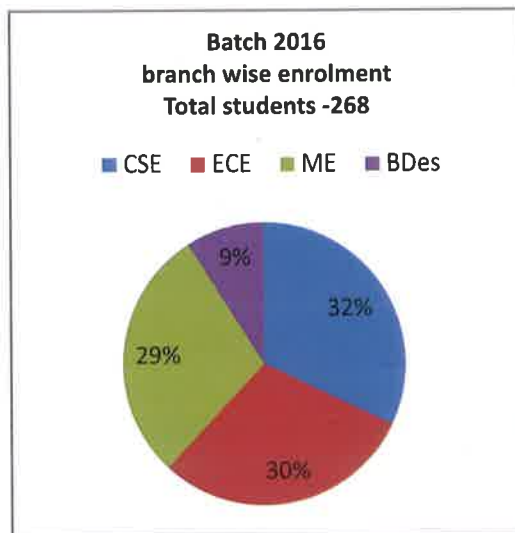




ACADEMIC AND STUDENTS ENROLMENT

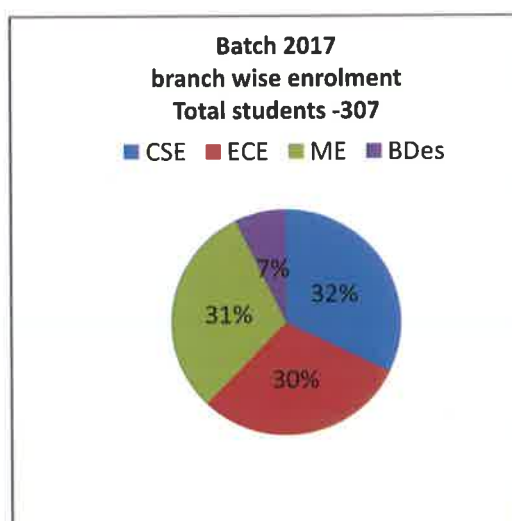
2016 Batch

Branch	OP	OBC	SC	ST	Total
CSE	45	23	13	5	86
ECE	36	26	11	7	80
ME	40	20	11	7	78
B.Des	11	6	5	2	24
Total	132	75	40	21	268



2017 Batch

Branch	OP	OBC	SC	ST	Total
CSE	49	27	15	8	99
ECE	44	26	15	7	92
ME	47	25	15	7	94
B.Des	14	4	2	2	22
Total	154	82	47	24	307





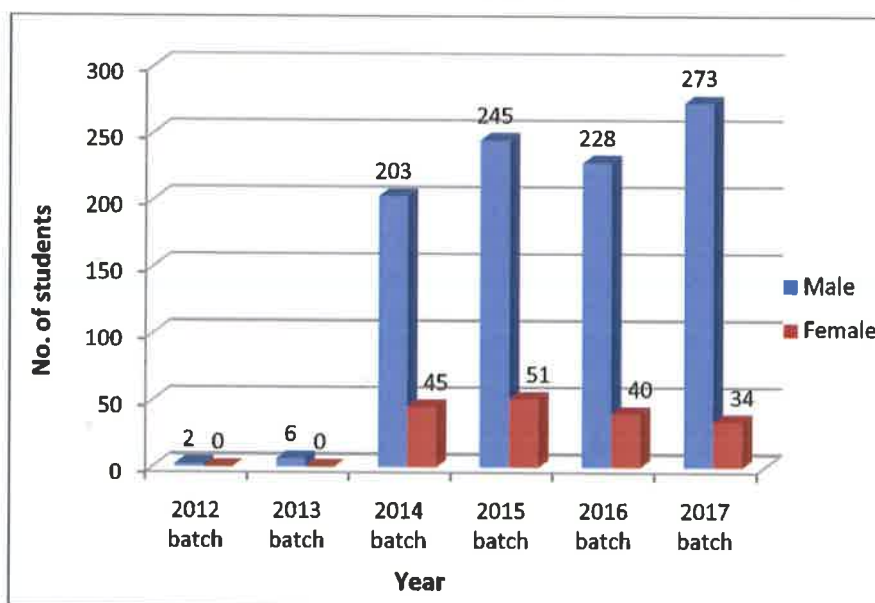
(II) B.Tech Programme - Academic Performance Evaluation Committee Report
Undergraduate Semester II (2016-17)

Batch	No. of Students	No. of Students Passed	No. of Students Terminated/Withdrawal
2013	217	217	0
2014	248	248	0
2015	302	297	6(Withdrawal)
2016	271	268	3(Withdrawal)

Undergraduate Semester I (2017-18)

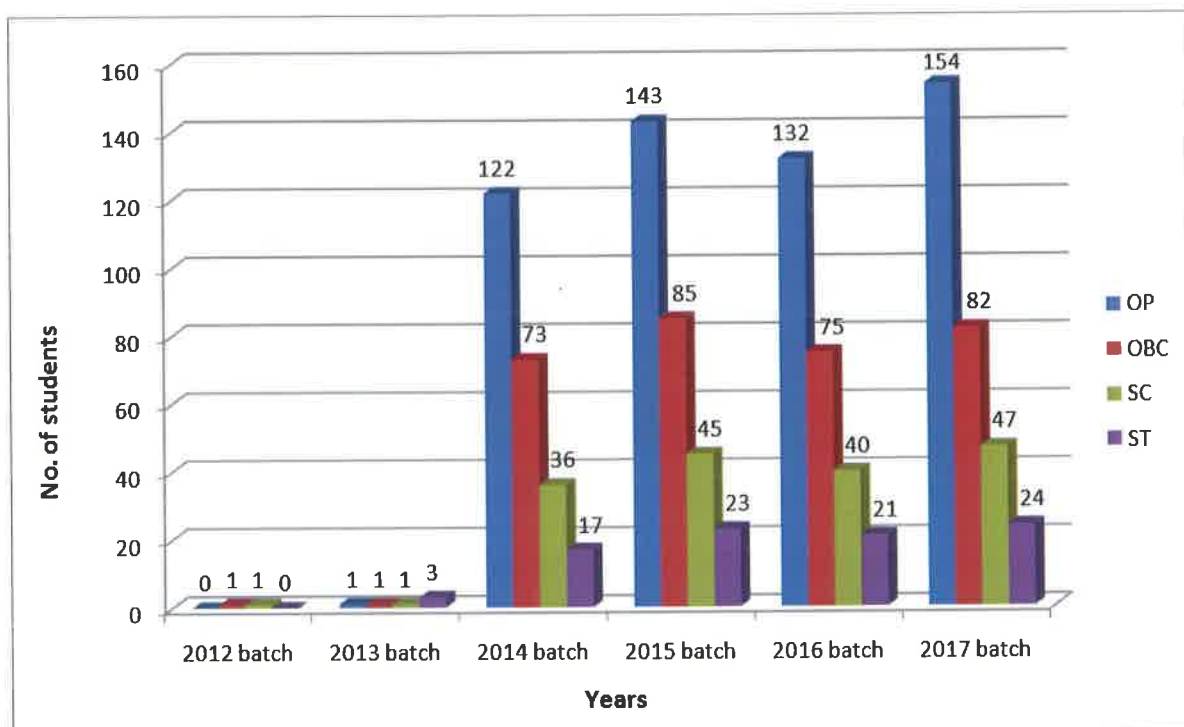
Batch	No. of Registered Students	No. of Students Passed	No. of Students Terminated/Withdrawal
2014	248	248	0
2015	297	296	1(Withdrawal)
2016	268	268	0
2017	302	301	1(Withdrawal)

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





(IV) 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)

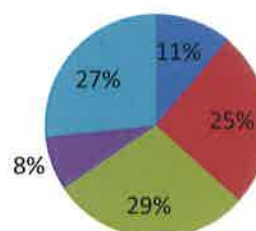
(I) Students Enrolment

M.Tech & M.Des 2016 Batch

Branch	OP	OBC	SC	ST	Total
CSE	6	1	2	1	10
ECE	10	8	3	2	23
ME	11	11	3	1	26
MT	3	2	2	0	7
M. Des	11	5	8	0	24
Total	41	27	18	4	90

M.Tech & M.Des 2016 Batch
branch wise enrolment
Total Students- 90

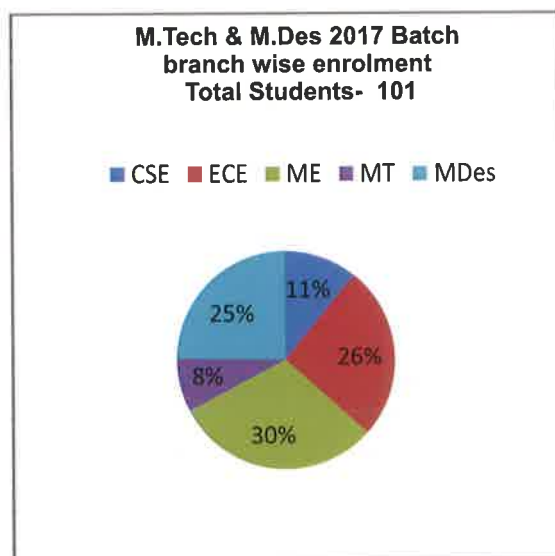
■ CSE ■ ECE ■ ME ■ MT ■ MDes





M.Tech & M.Des 2017 Batch

Branch	OP	OBC	SC	ST	Total
CSE	6	2	3	0	11
ECE	14	7	5	0	26
ME	11	15	5	0	31
MT	5	3	0	0	8
M.Des	3	9	10	3	25
Total	39	36	23	3	101



(II) Post Graduate - Academic Performance Evaluation Committee Report

Post Graduate Semester II (2016-17)

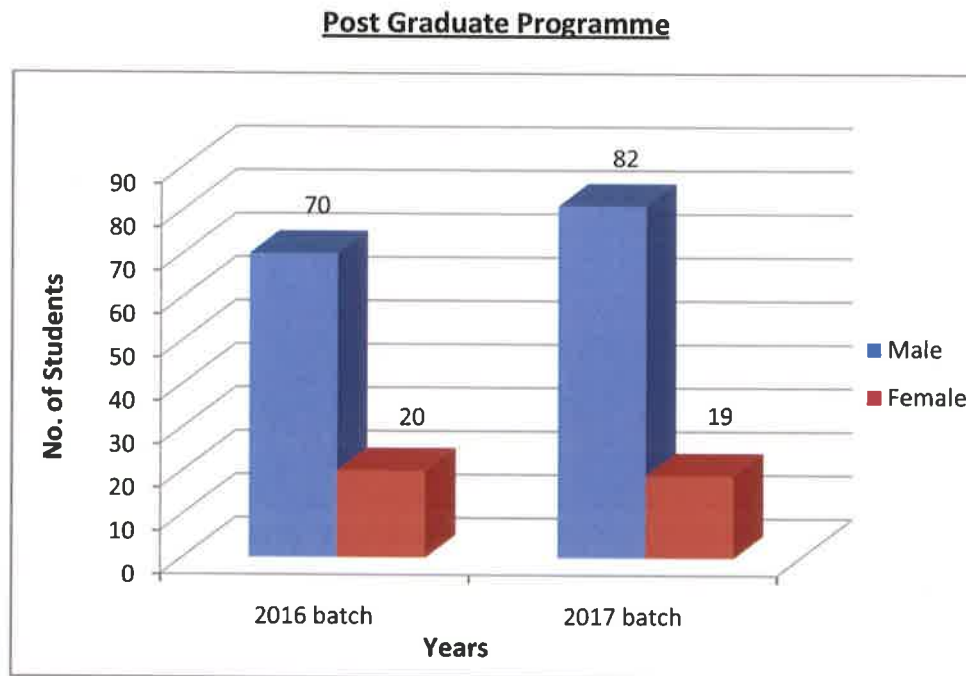
Batch	No of Students	No of Pass	No of Terminated/Withdrawal
2015	70	69	1 (Withdrawal)
2016	95	90	5 (Withdrawal)

Post Graduate Semester I (2017-18)

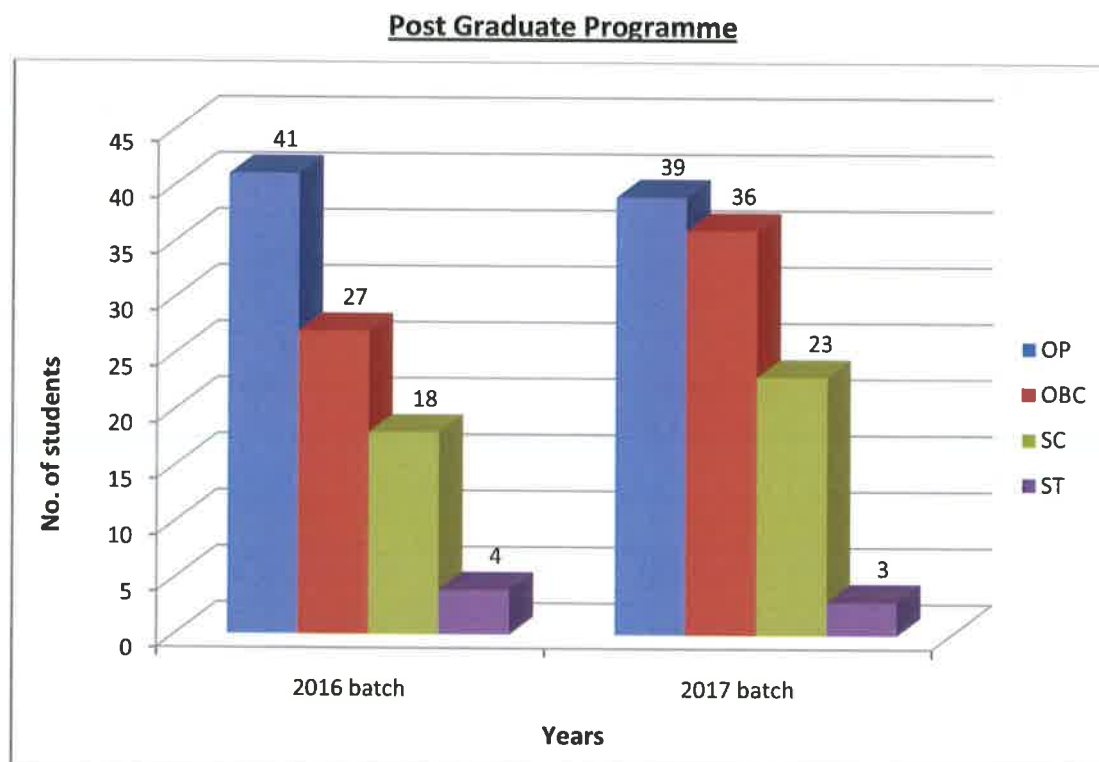
Batch	No of Students	No of Pass	No of Terminated/Withdrawal
2016	90	90	0
2017	101	100	1 (Withdrawal)



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



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





Ph.D PROGRAMS

The Institute offers Ph.D in the following disciplines

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

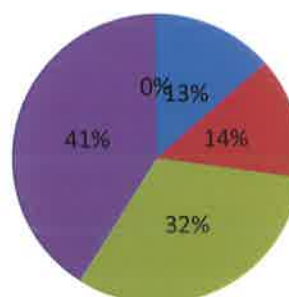
(I) Students Enrolment in Ph.D

2012 Batch

Branch	OP	OBC	SC	ST	Total
CSE	1	0	0	0	1
ECE	1	2	1	0	4
ME	1	0	0	0	1
NS	0	0	0	0	0
Design	1	0	0	0	1
Total	4	2	1	0	7

**2012 Ph.D Branch wise enrolment-
Total Students - 07**

■ CSE ■ ECE ■ ME ■ NS ■ Design

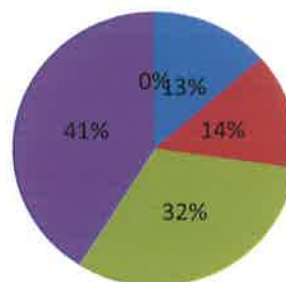


2013 Batch

Branch	OP	OBC	SC	ST	Total
CSE	2	1	0	0	3
ECE	2	1	1	0	4
ME	1	0	0	0	1
NS	0	0	0	0	0
Design	0	0	0	0	0
Total	5	2	1	0	8

**2013 Ph.D Branch wise enrolment-
Total Students- 08**

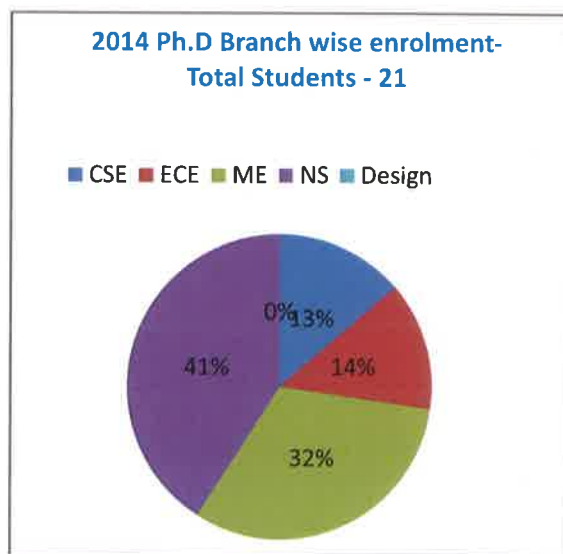
■ CSE ■ ECE ■ ME





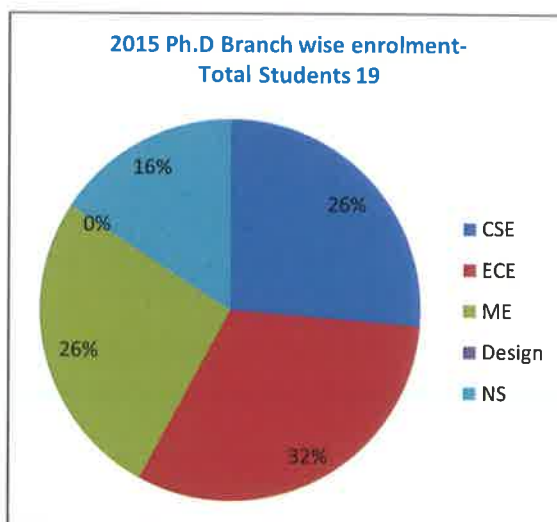
2014 Batch

Branch	OP	OBC	SC	ST	Total
CSE	4	0	0	0	4
ECE	7	1	2	0	10
ME	3	3	0	0	6
Design	0	0	0	0	0
NS	1	0	0	0	1
Total	15	4	2	0	21



2015 Batch

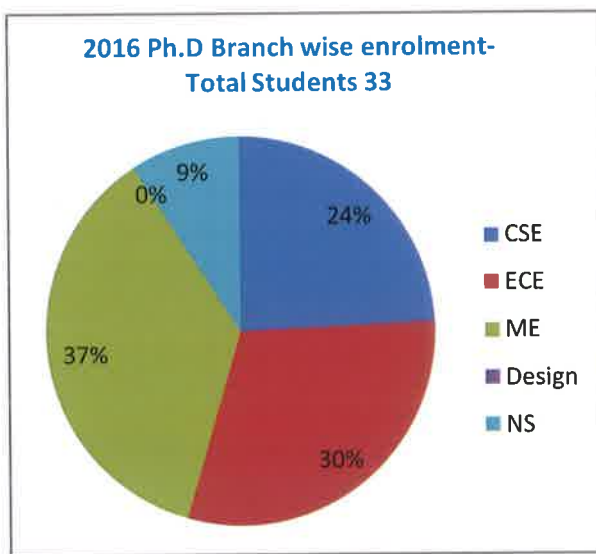
Branch	OP	OBC	SC	ST	Total
CSE	4	1	0	0	5
ECE	4	1	0	1	6
ME	3	1	1	0	5
Design	0	0	0	0	0
NS	3	0	0	0	3
Total	14	3	1	1	19





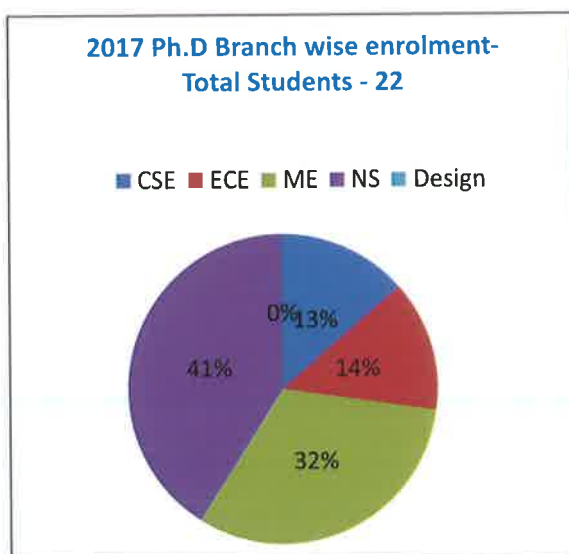
2016 Batch

Branch	OP	OBC	SC	ST	Total
CSE	4	2	2	0	8
ECE	6	4	0	0	10
ME	8	2	1	1	12
Design	0	0	0	0	0
NS	2	1	0	0	3
Total	20	9	3	1	33



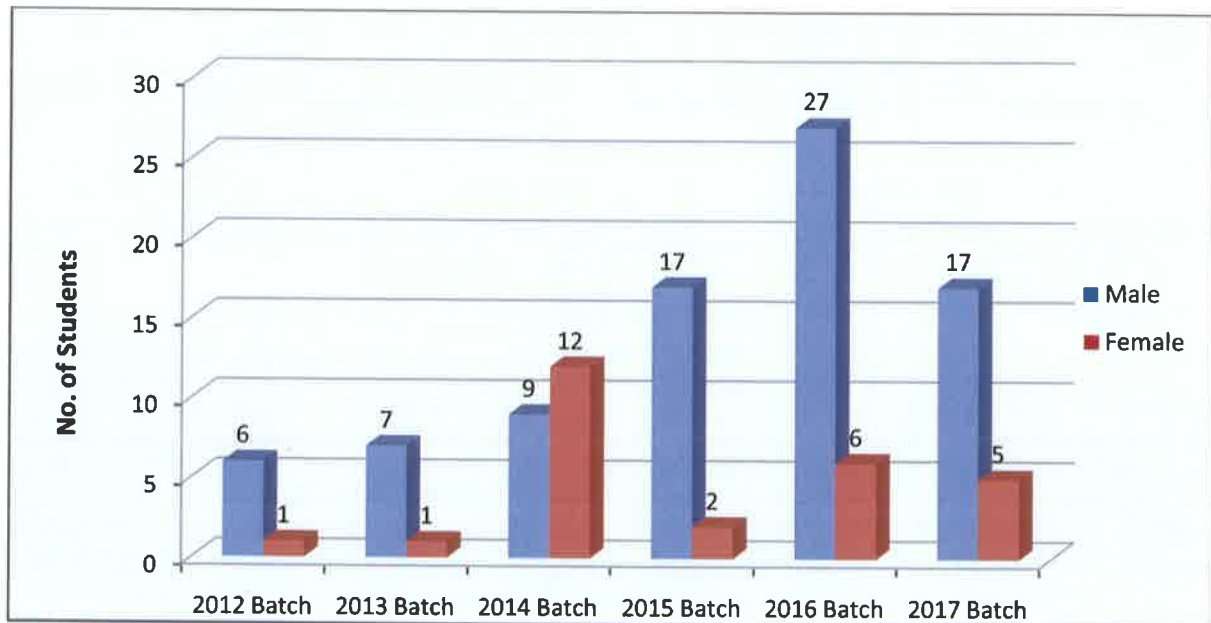
2017 Batch

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	2	7	0	0	9
Design	0	0	0	0	0
Total	9	11	2	0	22

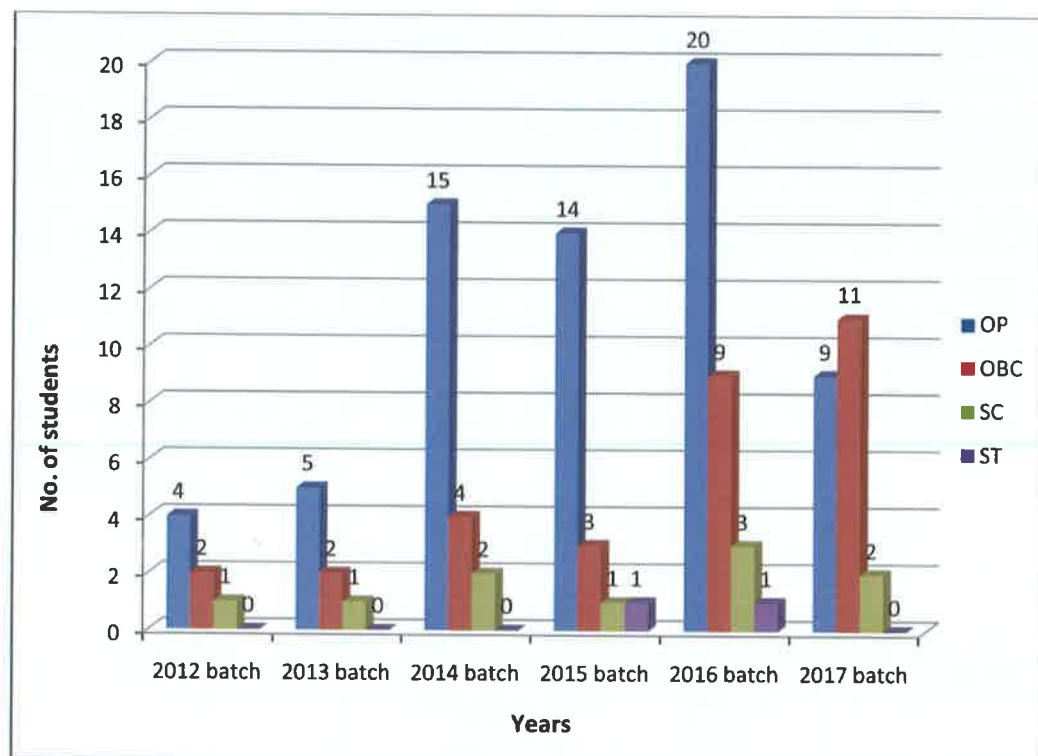




(II) Graph Showing Status of Male and Female Students in the Ph.D Programme



(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 IITDM Jabalpur	2016-19	Coordinators: Prof Puneet Tandon, Dr Sraban K Mohanty and Dr Sachin Kumar Jain	MHRD and DST, Govt of India	150.00	Ongoing
2.	Electronics & ICT Academy	2015-20	Chief Investigator: Prof Aparajita Ojha, Co-Chief Investigators: Prof VK Gupta, Prof PN Kondekar, Dr Atul Gupta, Dr PK Jain	Ministry of Communications and Information Technology, DEITY HRD Division	2500.00	Ongoing
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	Ongoing
4.	Special Manpower Development Programme for Chips to System Design	2015-19	PI: Prof P N Kondekar, Co-PI: Dr Jawar Singh & Dr Dheeraj Sharma	CEERI	34.20	Ongoing
5.	Unnat Bharat Abhiyan	2017-18	Dr MK Roy	MHRD Govt of India	1.75	Ongoing

(ii) Discipline Specific Projects

S. No.	Project Title	Duration	Investigator	Funding Agency	Total Sanctioned Amount in Rs. Lakh	Status
1.	FIST Program	2018-23	Head, Mechanical Engineering	DST	194.40	Ongoing
2.	FIST Program	2018-23	Head, Electronics & Communication Engineering	DST	205.20	Ongoing



(iii) Research Projects

S. No	Project Title	Duration	Investigator	Funding Agency	Total Sanctioned Amount in Rs. Lakh	Status
1.	Virtual laboratory on Manufacturing Processes	2010-17	PI: Prof V K Gupta, Co-PI(s): Prof Puneet Tandon, Prof Tanuja Sheorey	MHRD	44.00	Ongoing
2.	Virtual laboratory on Automated System	2010-17	PI: Prof Tanuja Sheorey, Co-PI(s): Prof Puneet Tandon, Prof V K Gupta	MHRD	41.00	Ongoing
3.	Process Development for the fabrication of free form Components through incremental Sheet forming	2012-17	PI: Prof Puneet Tandon, Co- PI: Dr P K Jain	BRNS	87.83	Ongoing
4.	Time - Varying Harmonics and Interharmonics Estimation In Real Time for Online Applications	2013-16	PI: Dr Sachin Kumar Jain	SERB DST	19.75	Completed on 03/06/2017
5.	Development of Additive - Subtractive Integrated RP System for Improved part Quality	2014-18	PI: Dr PK Jain, Co-PI(s): Prof Puneet Tandon, Dr P M Pandey	SERB DST	19.50	Ongoing
6.	Electrodeposition of Magnetic film in the presence of external magnetic field	2015-18	PI: Dr Amaresh Chandra Mishra	SERB DST	27.43	Ongoing
7.	Electronics and Spintronics properties of Halogen functionalized Graphene Nanoribbons	2015-18	PI: Dr Neeraj K Jaiswal	SERB DST	19.93	Ongoing
8.	Design and Development of RF Energy Harvesting Circuits for Low Power electronics Devices	2015-19	PI: Dr Jawar Singh	SERB DST	54.52	Ongoing



9.	Fractal Based Dielectric Resonator Antennas for compact wideband and High Gain Applications	2015-18	PI: Dr B Mukherjee	SERB DST	30.76	Ongoing
10.	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	Ongoing
11.	Design and Analysis of Multiplierless Multirate Filterbank with Low Complexity	2016-19	PI: Dr Anil Kumar	SERB DST	18.80	Ongoing
12.	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	Ongoing
13.	High Sensitive MEMS Piezoresistive Microcantilever Sensor	2016-19	PI: Dr Zahid Ansari	SERB DST	30.17	Ongoing
14.	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	Ongoing
15.	Computational Design of Functional Nucleotides for Artificial Life	2016-19	PI: Dr N R Jena	SERB DST	50.00	Ongoing
16.	Privacy Enhancing Revocable Biometric Identities (PERBI)	2016-19	PI: Dr Pritee Khanna	BRNS	28.78	Ongoing
17.	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	Ongoing
18.	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	Ongoing



19.	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	Ongoing
20.	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	Ongoing
21.	Mechanistic Model Development for Fission Product (FP) Retention for Computer Code PRABHIVINI	2017-19	PI: Dr Goutam Dutta	BARC	11.97	Ongoing
22.	In-process Monitoring of Stamping Process of a Thin Plate	2017-19	PI: Dr Puneet Tandon	DST	8.76	Ongoing
23.	An Efficient use of Discarded Heterogeneous Electronic Waste for Development of cost Effective Microvave Absorber	2017-20	PI: Dr Ravi Panwar	SERB DST	43.95	Ongoing
24.	Radiation effects in Gallium Oxide	2017-20	PI: Dr Yashpal Singh Katharria	UGC	0.75	Ongoing

(iv) 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.	Vetting of RFP documents for proposed MEGA TEXTILE PARK under JSCL	Dr Pritee Khanna	Nagar Nigam Jabalpur	25,000.00
2.	Die Design for vacuum-forming of housing of wall-mount IOT based device	Prof Puneet Tandon	Sharpnode Technology	43,240.00
3.	Abrasive water jet machine	Prof V K Gupta	Hitkarni Dental College	378.00
4.	Abrasive water jet machine	Prof V K Gupta	Hitkarni Dental College	920.00
5.	Abrasive water jet machine	Prof V K Gupta	Hitkarni Dental College	540.00



6.	Geometric modelling from 2D Drawings	Dr P K Jain	Alfa TKG	18,000.00
7.	Okuma milling machine	Dr P K Jain	M/s Pooja industry	1,150.00
8.	Design and Development of tool for automatic 4 D -PHD creations	Dr P K Jain	Alfa TKG	135,000.00
9.	Okuma milling machine	Dr P K Jain	M/s Pooja industry	2,360.00
10.	Theoretical Formulations and Analytical Modeling For Buckling Analysis of Hydraulic Cylinders	Dr Pavan Kankar	DRDO	279,961.00
11.	Assistance of IIITDMJ in Design of Twin Barrel Air Defense Gun as per Scope of work	PI: Prof Puneet Tandon, Co-PI(s): Dr P K Kankar, Dr P K Jain	ODC, Gun Carriage Factory, Jabalpur	0.00
12.	Analysis and Design Review of Primer Loader, Mounting of GSS and C18 (Milestone I & II of RSQR)	Prof Puneet Tandon	Gun Carriage Factory, Jabalpur	0.00
13.	Design, Redesign, FEA and Design Optimization of 155mm/ 52 Calibre Chassis	Prof Puneet Tandon	Gun Carriage Factory, Jabalpur	0.00
14.	Numerical Simulator and Analysis of Indigenized Primer for SRGM Ammunition	Prof Puneet Tandon	Naval Armament	0.00



PUBLICATIONS

Journals

1. Prabhat Kumar, and Puneet Tandon, Design knowledge and information reuse methodology for uncertainty minimization (2018), Knowledge and Information Systems, pp. 1-23.
2. Narendra Kumar, P K Jain, Puneet Tandon, and P M Pandey, Experimental investigations on suitability of Polypropylene (PP) and Ethylene Vinyl Acetate (EVA) in Additive Manufacturing (2018), Materials Today: Proceedings, Vol. 5(2-1), pp. 4118-4127.
3. S Sahu, DP Mondal, M Goel and MZ Ansari, Finite element analysis of AA1100 elasto-plastic behaviour using Johnson-Cook model (2018), Materials Today: Proceedings, Elsevier, Vol. 5, pp. 5349-5353.
4. P Meshram, S Sahu, MZ Ansari and S Mukherjee, Study on mechanical properties of epoxy and nylon/epoxy composite (2018), Materials Today: Proceedings, Elsevier, Vol. 5, pp. 5925-5932.
5. Durwesh Jhodkar, M Amarnath, H Chelladurai, J Ramkumar, Experimental investigations to enhance the machining performance of tungsten carbide tool insert using microwave treatment process (2018), Journal of the Brazilian Society of Mechanical Sciences and Engineering, Vol. 40(4), pp. 200.
6. Raghvendra Upadhyay, Santosh Kumar Rai and Goutam Dutta, Numerical analysis of density wave instability and heat transfer deterioration in a supercritical water reactor (2018), Journal of Mechanical Science and Technology, Vol. 32(3), pp. 1063-1070.
7. Sonika Sahu, Mohd. Zahid Ansari and Chongdu Cho, Numerical Studies on Low-Velocity Impact Failure Response of Al 1100 under Blunt and Hemispherical Impactors (2018), Materials Science Forum, Vol. 917, pp. 218-222.
8. Aditya Sharma, M Amarnath, Pavan Kumar Kankar, Life assessment and health monitoring of rolling element bearings: an experimental study (2018), Life Cycle Reliability and Safety Engineering, pp. 01-08.
9. Aditya Sharma, Nitin Upadhyay, Pavan Kumar Kankar, Muniyappa Amarnath, Nonlinear dynamic investigations on rolling element bearings: A review (2018), Advances in Mechanical Engineering, Vol. 10(03), pp. 01-15.
10. Anuj Kumar Sahoo, Ravi Dutt Gupta and Manoj Singh Parihar, A Circularly Polarized Filtering Dielectric Resonator Antenna for X-band Applications (2018), IET Microwaves, Antennas and Propagation, Vol. 12(9), pp. 1514-1518.
11. Bhupendra Gupta, Mayank Tiwari, Improving source camera identification performance using DCT based image frequency components dependent sensor pattern noise extraction method (2018), Digital Investigation, Vol. 24, pp. 121-127.
12. Kanchan Lata Kashyap, M K Bajpai, Pritee Khanna, Mesh Free Approach for Enhancement of Mammograms (2018), IET Image Processing, Vol. 12(3), pp. 299-306.
13. Bhupendra Gupta, Anuj Kumar Singh, A new cartoon-texture image decomposition approach with smoothing spline interpolation (2018), Optik, Vol. 159, pp. 39-49.
14. Narendra Kumar, P K Jain, Puneet Tandon, and P M Pandey, Extrusion based Additive Manufacturing Process for Producing Flexible Parts (2018), Journal of the Brazilian Society of Mechanical Sciences and Engineering, pp. 01-12.
15. N Upadhyay, PK Kankar, Diagnosis of Bearing Defects using Tunable Q-Wavelet Transform (2018), Journal of Mechanical Science and Technology, Vol. 32(2), pp. 549-558.
16. Mayank Tiwari, Bhupendra Gupta, Image features dependant correlation-weighting function for efficient PRNU based source camera identification (2018), Forensic Science International, Vol. 285, pp. 111-120.



17. Raghvendra Upadhyay, Goutam Dutta, Identification of safe and stable zone of operation in supercritical water reactor (2018), Nuclear Engineering and Design, Vol. 328, pp. 209-227.
18. Deepmala, Vandana, N Subramanian, L N Mishra, The Fibonacci numbers of Asymptotically lacunary of χ^2 over probabilistic p - p metric spaces (2018), TWMS J. Pure Appl. Math., Vol. 9(1), pp. 94-107.
19. Nanda, H S, A H Shah, G Wicaksono, O Pokholenko, F Gao, I Djordjevic, and T W J Steele, Non-thrombogenic hydrogel coatings with carbene crosslinking Bioadhesives (2018), Biomacromolecules, Vol. 19(5), pp. 1425-1434.
20. M Z Ansari, M Bisen and C Cho, Modelling and analysis of diaphragm integrated SU8/CB nanocomposite piezoresistive polymer microcantilever biosensor (2018), Microsystem Technologies, pp. 01-08.
21. Sachin Agrawal, Manoj Singh Parihaar and Pravin Neminath Kondekar, A Quad-band Antenna for Multi-band Radio Frequency Energy Harvesting Circuit (2018), AEU - International Journal of Electronics and Communications, Vol. 85, pp. 99-107.
22. Sachin Taran, Varun Bajaja, Dheeraj Sharma, Siuly, A Sengur, Features based on analytic IMF for classifying motor imagery EEG signals in BCI applications (2018), Measurement, Vol. 116 (2018), pp. 68-76.
23. Abhishek Pahuja, Manoj Singh Parihar and Dinesh Kumar V, Performance Enhancement of Thin Film Solar Cell Based on Extraordinary Transmission (2018), Elsevier Superlattices and Microstructures, pp. 01-07.
24. S. Agrawal, MS Parihar, and P N Kondekar, Performance Analysis of a Low Profile Hybrid Antenna for Broadband Applications (2018), Wireless Personal Communications, pp. 01-13.
25. Sachin Taran, Varun Bajaj, Rhythm-based identification of alcohol EEG signals (2018), IET Science, Measurement & Technology, pp. 343-349.
26. Anchala Priya, Pooja Yadav, Shweta Jain, Varun Bajaj, Efficient method for classification of alcoholic and normal EEG signals using EMD (2018), The Journal of Engineering, Vol. 2018(3), pp. 166-172.
27. Sumit Kale, Pravin Neminath Kondekar, Charge Plasma Based Source/ Drain Engineered Schottky Barrier MOSFET: Ambipolar Suppression and Improvement of the RF Performance (2018), Superlattices and Microstructures, Vol. 113, pp. 799-809.
28. Vandana, Deepmala, N Subramanian, V N Mishra, Riesz triple probabilistic of almost lacunary χ^2 statistical convergence of χ^2 defined by a Musielak Orlicz function (2018), Boletim da Sociedade Paranaense de Matemática, Vol. 36(4), pp. 23-32.
29. Sachin Agrawal, Manoj S Parihar and P N Kondekar, A Dual Band Rectenna Using Broadband DRA Loaded with Slot (2017), International Journal of Microwave and Wireless Technologies.
30. N Tyagi, N K Jaiswal, K Jha, V Sharma, P Srivastava, Structural, magnetic and electronic properties of armchair graphene nanoribbons interacting with Co: DFT investigations (2017), Ferroelectrics, Vol. 519, pp. 178-186.
31. Vinay Killamsetty, B Mukherjee, Compact Wideband Bandpass Filter using Quad Mode Resonator (2017), AEU-International Journal of Electronics and Communication, Elsevier, Vol. 87, pp. 54-59.
32. Kaushal Nigam, Sarthak Gupta, Sunil Pandey, P N Kondekar & Dheeraj Sharma, Controlling the ambipolarity and improvement of RF performance using Gaussian Drain Doped TFET (2017), International Journal of Electronics, Vol. 105(5), pp. 01-11.
33. Ravi Panwar, Daesung Son, Jung Ryul Lee, Novel optimization method of single square FSS impinged and cascaded radar absorbing composites (2017), Advanced Composite Materials (Taylor & Francis), pp. 01-10.
34. P Kshirsagar, S Gupta and B Mukherjee, A Two segment Rectangular Dielectric Resonator Antenna for Ultra-Wideband Application (2017), Electromagnetics, Taylor & Francis, Vol. 38(1), pp. 20-33.



35. H Singh, A Kumar, L K Balyan and GK Singh, A novel optimally weighted framework of piecewise gamma corrected fractional order masking for satellite image enhancement (2017), Computers & Electrical Engineering.
36. Bhupendra Gupta, Anuj Kumar Singh, A New Computational Approach for Edge-Preserving Image Decomposition (2017), Multimedia Tools and Applications, pp. 01-20.
37. Vishal Francis and Prashant KJain, Investigation on the effect of surface modification of 3D printed parts by nanoclay and dimethyl ketone (2017), Materials and Manufacturing Processes, Vol. 33(10), pp. 01-13.
38. M Sagar, G Vivekkumar, Mallikarjuna Reddy, S Devendiran, M Amarnath, Research on intelligent fault diagnosis of gears using EMD, spectral features and data mining techniques (2017), IOP Conference Series: Materials Science and Engineering, Vol. 263(6) 62047.
39. Dheeraj Sharma, Deepika Singh, Sunil Pandey, Shivendra Yadav, PN Kondekar, Comparative analysis of full-gate and short-gate dielectric modulated electrically doped Tunnel-FET based biosensors (2017), Superlattices and Microstructures, Vol. 111, pp. 767-775.
40. Nazma Nausheen, Ayan Seal, Pritee Khanna, and Santanu Halder, A FPGA based implementation of Sobel edge detection (2017), Microprocessors and Microsystems, Vol. 56, pp. 84-91.
41. Abdulkadir Sengur , Yaman Akbulut, Yanhui Guo and Varun Bajaj, Classification of amyotrophic lateral sclerosis disease based on convolutional neural network and reinforcement sample learning algorithm (2017), Health Information Science and Systems, Vol. 05(09), pp. 01-07.
42. Sachin Taran, Varun Bajaj and Siuly Siuly, An optimum allocation sampling based feature extraction scheme for distinguishing seizure and seizure-free EEG signals (2017), Health Information Science and Systems, Vol. 5(07).
43. Ayan Seal, Debotosh Bhattacharjee, Mita Nasipuri, Dionisio Rodriguez-Esparragon, Ernestina Menasalvas and Consuelo Gonzalo-Martin, PET-CT Image Fusion using Random Forest and A`-trous Wavelet Transform (2017), International Journal for Numerical Methods in Biomedical Engineering.
44. Mahak Bisen and Mohd. Zahid Ansari, Phenomenological modelling sensitivity of SU8/CB nanocomposite conducting polymer microcantilever biosensor (2017), Materials Today: Proceedings, Elsevier, Vol. 4, pp. 10395-10399.
45. S Kale and P N Kondekar, Design and Investigation of Dielectric Engineered Dopant Segregated Schottky Barrier MOSFET With NiSi Source/Drain (2017), IEEE Transactions On Electron Devices, Vol. 64(11), pp. 4400-4407.
46. Shruti Saxena, Shreelekha Pandey, and Pritee Khanna, A Semi-Supervised Domain Adaptation Assembling Approach for Image Classification (2017), Pattern Analysis and Applications, pp. 01-15.
47. N K Mahato, M A Noor, N K Sahu, Existence Results for Trifunction Equilibrium Problems and Fixed Point Problems (2017), Analysis and Mathematical Physics (AAMP), pp. 01-25.
48. Vandana, Deepmala, N Subramanian, VN Mishra, The Intuitionistic Triple $\$chi\$$ of Ideal fuzzy real numbers over $\$p\$- $\$metric$ spaces defined by Musielak Orlicz function(2017), Asia Pacific J. Math., Vol. 5(1), pp. 01-13.$
49. Deepak Soni, Dheeraj Sharma, Shivendra Yadav, Mohd. Aslam, Neeraj Sharma, Performance improvement of doped TFET by using plasma formation concept (2017), Superlattices and Microstructures, Elsevier.
50. Chinmaya Panigrahy, Angel Garcia-Pedrero, Ayan Seal, Dionisio Rodríguez-Esparragón, Nihar Kumar Mahato and Consuelo Gonzalo-Martín, An Approximated Box Height for Differential-Box-Counting Method to Estimate Fractal Dimensions of Gray-Scale Images (2017), Entropy, Vol. 19(10), pp. 01-17.



51. I Sharma, A Kumar, and G K Singh, Performance of CSE Techniques for Designing Multiplier-less FIR Filter using Evolutionary Algorithms (2017), Circuits, Systems, and Signal Processing, pp. 01-17.
52. D Roy, D P Samajdar, Analytical Modeling and Performance Study of GaAsNSb based Single Junction Solar Cell lattice matched to GaAs substrate for use in tandem solar cells (2017), Solar Energy, Vol. 158, pp. 483.
53. S K Agrahari and S Mukherjee, Dynamic Modeling and Control of IPMC Hydrodynamic Propulsor (2017), Smart Structures and Systems, Vol. 20(04), pp. 499–508.
54. S Gupta, K Nigam, S Pandey, D Sharma and P N Kondekar, Effect of Interface Trap Charges on Performance Variation of Heterogeneous Gate Dielectric Junctionless-TFET (2017), IEEE Transactions On Electron Devices, Vol. 64(11), pp. 4731-4737.
55. D Ghosh, U Dutta, A Haque, N E. Mordvinova, O I Lebedev, K Pal, A Gayen, P Mahata, Asish K Kundu, M M Seikh, Evidence of low temperature spin glass transition in bixbyite type FeMnO₃ (2017), Materials Science & Engineering B, Vol. 226.
56. BhupendraGupta, Tarun KumarAgarwal, New contrast enhancement approach for dark images with non-uniform illumination (2017), Computers & Electrical Engineering online, pp. 01-20.
57. Asha Verma and Manoj Singh Parihar, Multifunctional Antenna with Reconfigurable Ultra-Wide Band Characteristics (2017), Radioengineering Journal, Vol. 26(03), pp. 647-654.
58. S Pare, A K Bhandari, A Kumar, and V Bajaj, Backtracking search algorithm for color image multilevel thresholding (2017), Signal, Image and Video Processing, Vol. (2018) 12, pp. 385-392.
59. Neeraj K Jaiswal, Tailoring the electronic properties of zigzag graphene nanoribbons via sp²/sp³ edge functionalization with H/F (2017), Org. Elect., pp. 25-37.
60. S D Patel, C Guedes, Soares, System Probability of Failure and Sensitivity Analyses of Composite Plates under Low Velocity Impact (2017), Composite Structures, Vol. 180, pp. 1022-1031.
61. Mohd. Aslam, Shivendra Yadav, Deepak Soni, Dheeraj Sharma, A new design approach for enhancement of DC/RF performance with improved ambipolar conduction of dopingless TFET (2017), Superlattice and Microstructure, Elsevier.
62. Sunil Pandey, Tushar Gawande, Abhijeet Pathak & Pravin Neminath Kondekar, A 0.9-V, 4.4-mW CMOS LNA with wideband input match and high gain for UWB applications (2017), International Journal of Electronics Letters, pp. 01-09.
63. H Singh, P Kang, P K Jain, and Dwivedi, DK, The design and process control of electrochemical honing machine - a brief detail (2017), Journal of Mechanical Engineering and Technology, Vol.8(7), pp. 1311-1319.
64. S Agrawal, MS Parihar, and P N Kondekar, Broadband Rectenna for Radio Frequency Energy Harvesting Application (2017), IETE Journal of Research, pp. 01-07.
65. N K Sahu, R N Mohapatra and N K Mahato, System of nonlinear variational inclusion problems with $(A, \hat{\cdot})$ -maximal monotonicity in Banach spaces (2017), Statistics, Optimization & Information Computing., Vol. 5(3), pp. 244-261.
66. N Agrawal, A Kumar, and Varun Bajaj, A New Design Method for Stable IIR Filters with Nearly Linear -Phase Response based on Fractional Derivative and Swarm Intelligence (2017), IEEE Transactions on Emerging Topics in Computational Intelligence, Vol. 1(6), pp. 464-477.
67. S Pare, A Kumar, V Bajaj and G K Singh, An efficient method for Multilevel Color Image Thresholding using Cuckoo Search Algorithm based on Minimum Cross Entropy (2017), Applied Soft Computing Journal, pp. 570-592.



68. Ashok Gundumalla, Sachin Agrawal Manoj S Parihar, Miniaturized Active Stepped Impedance Planar Inverted-F Antenna using common ground (2017), Elsevier International Journal of Electronics and Communications (AEUE), pp. 233-239.
69. Sachin Agrawal, Manoj S Parihar and P N Kondekar, Exact Performance Evaluation of RF Energy Harvesting with Different Circuit's Elements (2017), IETE Technical review (Taylor & Francis), pp. 01-09.
70. Irshad Ahmad Ansari, Millie Pant, and Chang Wook Ahn, Secured and Optimized Robust Image Watermarking Scheme (2017), Arabian Journal for Science and Engineering, pp. 01-20.
71. Dharmendra Singh Yadav, D Sharma, S Tirkey, and V Bajaj, A systematic investigation of the integrated effects of gate underlapping, dual work functionality and hetero gate dielectric for improved performance of CP TFETs (2017), Journal of Computational Electronics (JCEL), Springer.
72. S Taran, V Bajaj, and D Sharma, Robust Hermite decomposition algorithm for classification of sleep apnea EEG signals (2017), Electronics Letters, IET, Vol. 53(17), pp. 1182-1184.
73. Sukeshni Tirkey, D Sharma, DS Yadav, and S Yadav, Analysis of a Novel Metal Implant Junctionless Tunnel FET for Better DC and Analog/ RF Electrostatic Parameters (2017), IEEE Transaction on Electron Device, Vol. 64(9), pp. 3943-3950.
74. Madhulika Verma, S Tirkey, S Yadav, D Sharma, and D S Yadav, Performance Assessment of A Novel Vertical Dielectrically Modulated TFET-Based Biosensor (2017), IEEE Transaction on Electron Device, Vol. 64(9), pp. 3841-3848.
75. Rakesh Kumar Haldkar, Tanuja Sheorey, Vijay Kumar Gupta, M Zahid Ansari, Four segment piezo based micropump (2017), Proc. of SPIE, Vol. 10246.
76. Vishal Francis and Prashant K Jain, Achieving improved dielectric, mechanical, and thermal properties of additive manufactured parts via filament modification using OMMT-based nanocomposite (2017), Progress in Additive Manufacturing, pp. 01-07.
77. N Jain, A M Pawar, P D Ukey, P K Jain, B Thakur, A Gupta, Preservation of root canal anatomy using self-adjusting file instrumentation with glide path prepared by 20/0.02 hand files versus 20/0.04 rotary files (2017), Journal of Conservative Dentistry, Vol. 20(02), pp. 81-85.
78. Shekhar Chatterjee, Variations of Lotus Motif Represents an Important Indigenous Visual Culture (2017), Ergonomics International Journal, Medwin Publishers (International Journal), Research Article, Vol. 1(1), pp. 20-24.
79. Varun Tiwari, PK jain and Puneet Tandon, An Integrated Shannon Entropy and TOPSIS for Product Design Concept Evaluation based on Bijective Soft Set (2017), Journal of Intelligent Manufacturing, pp. 01-15.
80. Sukeshni Tirkey, B R Raad, A Gedam, D Sharma, Junction-less charge plasma TFET with dual drain work functionality for suppressing ambipolar nature and improving radio-frequency performance (2017), Micro and Nano Letters, IET.
81. Shekhar Chatterjee, Style of Solañki Temple Architecture (2017), Journal of the Gujarat Research Society, Ahmedabad, Vol. LXII(1-2), pp. 11-16.
82. Koushlendra K Singh, Manish Bajpai, R. K. Pandey, Prabhat Munshi, A novel non-invasive method for extraction of geometric and texture features of wood (2017), Research in Non-destructive Evaluation, Vol. 28(3), pp. 150-167.
83. M K Ahirwal, A Kumar, and G K Singh, Performance Prediction of Adaptive filters for EEG signal (2017), IET Science, Measurement & Technology, Vol. 11(05), pp. 525-531.
84. N Upadhyay, PK Kankar, Dynamic Analysis of Rotor-Bearing System by Considering the Transverse Crack on Rotor (2017), European Journal of Computational Mechanics, Vol. 26(3), pp. 336-350.



85. Kanchan Lata Kashyap, M K Bajpai, Pritee Khanna and Giakos George, Mesh Free based Variational Level Set Evolution for Breast Region Segmentation and Abnormality Detection using Mammograms (2017), International Journal for Numerical Methods in Biomedical Engineering, Vol. 34(1).
86. A Hossain, D Ghosh, U Dutta, P S Walke, N E Mordvinova, O. I. Lebedev, B. Sinha, K. Pal, A. Gayen, Asish K Kundu, M M Seikh Synthesis, Structure and Magnetic Properties of Nanostructured $\text{La}_{1-x}\text{A}_x\text{Fe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ (A = Ca, Sr and Pb; x = 0 & 0.25) Perovskites (2017), Journal of Magnetism and Magnetic Materials, Vol. 444, pp. 68-76.
87. R Jothi, Sraban Kumar Mohanty, and A Ojha, Fast approximate minimum spanning tree based clustering algorithm (2017), Neurocomputing, Vol. 272, pp. 542-557.
88. Sukeshni Turkey, D Sharma, B R Raad, D S Yadav, Introduction of a metal strip in oxide region of junctionless tunnel field-effect transistor to improve DC and RF performance (2017), Journal of Computational Electronics (JCEL), Springer.
89. M Z Ansari, Optimised step profile microcantilevers for biosensors (2017), AIP Conf. Proc., Vol. 1859.
90. S V Inge, N K Jaiswal and P N Kondekar, Realizing Negative Differential Resistance/Switching phenomena in zigzag GaN nanoribbons by edge fluorination: A DFT Investigation (2017), Advanced Materials Interfaces, Vol. 4(9).
91. Manikant Sinha, Vinay Killamsetty, B Mukherjee, Near Field Analysis of RDRA Loaded with Split Ring Resonators Superstrate (2017), Microwave and Optical Technology Letters, Wiley Vol. 60(2), pp. 472-478.
92. Shikha Maurya, Matadeen Bansal, Energy Efficient Precoder Design for Non-Regenerative MIMO-CRN (2017), IEEE Wireless Communication Letters, Vol. PP(99), pp. 01-04.
93. Ashok Gundumalla, Sachin Agrawal Manoj S Parihar, Design of Ultra-wide band Planar Inverted-F antenna with slotted broad feed (2017), Willey International Journal of RF and Microwave Computer-Aided Engineering, pp. 01-10.
94. Asish K Kundu, V Caignaert, V Hardy, B. Raveau, Superexchange interactions between Fe-3d and Ln-4f states: long range antiferromagnetism in perovskite derivatives $\text{Ba}_3\text{LnFe}_2\text{O}_{7.5}$ (2017), Journal of Materials Chemistry C, Vol. 5, pp. 7236-7242.
95. H Singh, A Kumar, L K. Balyan and GK Singh, Swarm intelligence optimized piecewise gamma corrected histogram equalization for dark image enhancement (2017), Computers & Electrical Engineering.
96. Prateeksha Sharma, V Dinesh Kumar, Hybrid Insulator Metal Insulator Planar Plasmonic Waveguide-Based Components (2017), IEEE Photonics Technology Letters, Vol. 29(16), pp. 1360-1363.
97. Ravi Panwar, Jung Ryul Lee, Progress in frequency selective surface-based smart electromagnetic structures: A critical review (2017), Aerospace Science & Technology (Elsevier), Vol. 66, pp. 216-234.
98. N Agrawal, A Kumar, V Bajaj, G K Singh, High order stable infinite impulse response filter design using cuckoo search algorithm (2017), International Journal of Automation and Computing, Vol. 14(05), pp. 589-602.
99. Rakesh Kumar Haldkar, Vijay Kumar Gupta and Tanuja Sheorey, Modeling and flow analysis of piezoelectric based micropump with various shapes of microneedle (2017), Journal of Mechanical Science and Technology, Vol. 31(6), pp. 01-09.
100. Amaresh Chandra Mishra, A K Jha, Variation of magnetoimpedance of electrodeposited NiFe/Cu with deposition current density (2017), Indian Journal of Physics, Vol. 91, pp. 1535-1540.
101. Vinay Killamshetty, B Mukherjee, Compact Wideband Bandpass Filter For Tetra Band Applications (2017), IEEE Microwave and Wireless Component Letters, Vol. 27(7), pp. 630-632.



102. Gupta Nidhi and Khanna Pritee, A non-invasive and adaptive CAD system to detect brain tumor from T2-weighted MRIs using customized Otsu's thresholding with prominent features and supervised learning (2017), Signal Processing: Image Communication.
103. Aswani Kumar Bandaru, Shivdayal Patel, Suhail Ahmad, Naresh Bhatnagar, An experimental and numerical investigation on the low velocity impact response of thermoplastic hybrid composites (2017), Journal of Composite Materials.
104. Bhaskar Awadhiya, Sunil Pandey, Kaushal Nigam, Pravin N Kondekar, Effect of ITCs on Linearity and Distortion Performance of Junctionless Tunnel Field Effect Transistor (2017), Superlattices and Microstructures, Vol. 11, pp. 01-09.
105. S Pare, A K Bhandari, A Kumar and G K Singh, An optimal Color Image Multilevel Thresholding Technique using Grey-Level Co-occurrence Matrix (2017), Expert Systems with Applications, Vol. 87, pp. 335-362.
106. A Kumar, B Kuldeep, G K Singh and H N Lee, An Improved Design Method based on Polyphase Components for Digital FIR Filters (2017), International Journal of Electronics, Vol. 104(11), pp. 1920-1934.
107. Sonam Maurya, V K Jain, Energy-Efficient Network Protocol for Precision Agriculture: Using threshold sensitive sensors for optimal performance (2017), IEEE Consumer Electronics Magazine, Vol. 06(03), pp. 42-51.
108. Saurabh Tiwari and Atul Gupta, Investigating comprehension and learnability aspects of use cases for software specification problems (2017), Information and Software Technology, Vol. 91, pp. 22-43.
109. Ravibabu Mulaveesala, Geetika Dua, Vanita Arora, Juned A Siddiqui, Amarnath Muniyappa, Pulse compression favourable aperiodic infrared imaging approach for non-destructive testing and evaluation of bio-materials (2017), Thermosense: Thermal Infrared Applications XXXIX, Vol. 10214.
110. Dharmendra Singh Yadav, A Verma, DSharma, STirkey, and B R Raad, Comparative investigation of novel hetero gate dielectric and drain engineered charge plasma TFET for improved DC and RF performance (2017), Superlattice and Microstructure, Elsevier.
111. Shivendra Yadav, DSharma, DSONI, and Mohd. Aslam, Controlling ambipolarity with improved RF performance by drain/gate work function engineering and using high κ dielectric material in electrically doped TFET: proposal and optimization (2017), Journal of Computational Electronics (JCEL), Springer.
112. Shivdayal Patel, Suhail Ahmad, Puneet Mahajan, Safety assessment of composite beam under ballistic impact (2017), Thin-Walled Structures, Vol. 126, pp. 162-170.
113. Prabhat Kumar, and Puneet Tandon, Classification and mitigation of uncertainty as per the product design stages: Framework and Case Study (2017), Journal of the Brazilian Society of Mechanical Sciences and Engineering, Vol. 39(11), pp. 4785-4806.
114. D S Yadav, D Sharma, A Kumar, D Rathor, R Agrawal, S Tirkey, B Raad, V Bajaj, Performance investigation of hetero material (InAs/Si) based charge plasma TFET (2017), Micro & Nano Letters, Vol. 12(6), pp. 358-363.
115. Lalit Kane and Pritee Khanna, Vision-based Mid-air Unistroke Character Input using Polar Signatures (2017), IEEE Transactions on Human-Machine Systems, pp. 01-12.
116. Ranjeet Kumar, A Kumar, G K Singh, and HN Lee, An Efficient Compression Technique based on Temporal Modelling of ECG Signal using Principle Component Analysis (2017), IET Science, Measurement & Technology, Vol. 11(03), pp. 346-353.
117. G Dutta, J Jiang, R Maitri and C Zhang, A Numerical Thermal-hydraulic Model to Simulate the Fast Transients in a Supercritical Water Channel Subjected to Sharp Pressure Variations (2017), Communications in Computational Physics, Vol. 19(5), pp. 1529-1541.



118. I Mal, D P Samajdar and T D Das, Calculation of band structure and optical gain of type-II GaSbBi/ GaAs quantum wells using 14-band k·p Hamiltonian (2017), Superlattices and Microstructures, Vol. 109, pp. 442.
119. Anju, S Tirkey, K Nigam, D Sharma, and P N Kondekar, Investigation of gate material engineering in junctionless TFET to overcome the trade-off between ambipolarity and RF/ linearity metrics (2017), Superlattice and Microstructure, Elsevier.
120. Kashyap Kanchan Lata, Bajpai M K, and Khanna Pritee, Globally supported radial basis function based collocation method for evolution of level set in mass segmentation using mammograms (2017), Computers in Biology and Medicine.
121. P Venkatesh, K Nigam, S Pandey, D Sharma and P N Kondekar, A dielectrically modulated electrically doped tunnel FET for application of label free biosensor (2017), Superlattices and Microstructures, pp. 01-10.
122. S Agrawal, MS Parihar, and P N Kondekar A dual-band RF energy harvesting circuit using 4th order dual-band matching network (2017), Cogent Engineering, Vol. 04(01).
123. Kanchan Lata Kashyap, M K Bajpai, and Pritee Khanna, An Efficient Algorithm for Mass Detection and Shape Analysis of Different Masses Present in Digital Mammograms (2017), Multimedia Tools and Applications, Vol. 67(3), pp. 01-21.
124. S Agrawal, R D Gupta, MS Parihar, and P N Kondekar, A Wideband High Gain Dielectric Resonator Antenna For RF Energy Harvesting Application (2017), AEU-International Journal of Electronics and Communications, Vol. 78, pp. 24-31.
125. Vinay Killamshetty, B Mukherjee, Compact Dual Bandpass Filter for Terrestrial Radio and GSM applications (2017), International Journal of RF and Microwave Computer-Aided Engineering, Wiley, Vol. 27(08), pp. 01-08.
126. Manish Singh, Sachin Agrawal and Manoj Singh Parihar, Design of a rectenna system for GSM-900 band using novel broadside 2×1 array antenna (2017), IET, The Journal of Engineering, Vol. 17(06), pp. 232-236.
127. Vinay Killamsetty, B. Mukherjee, Miniaturized highly selective wideband bandpass filter using dual mode resonators and inter digital capacitors (2017), IET Electronics Letters, Vol. 53(17), pp. 1209-1211.
128. S K Pranesh, Siju Abraham, V Sugumaran, M Amarnath, Fault diagnosis of helical gearbox using acoustic signal and wavelets (2017), IOP Conference Series: Materials Science and Engineering, Vol. 197(1), pp. 1-14.
129. Amaresh Chandra Mishra, R Giri, Micromagnetic simulation study of magnetization reversal in torus-shaped permalloy nanorings (2017), International Journal of modern Physics B, Vol. 31.
130. Vinay Killamshetty, B Mukherjee, Miniaturized highly selective bandpass filter with a very wide stopband using meander coupled lines (2017), IET Electronics Letters, Vol. 53(13), pp. 889-890.
131. Saurabh Pratap, Ashutosh Nayak, Akhilesh Kumar, Naoufel Cheikhrouhou, Manoj Kumar Tiwari, An integrated decision support system for berth and ship unloader allocation in bulk material handling port (2017), Computers & Industrial Engineering, Vol. 106, pp. 386-399.
132. Lokesh Kumar Bramhane, Jawar Singh, Improved performance of bipolar charge plasma transistor by reducing the horizontal electric field (2017), Superlattices and Microstructures, Vol. 104.
133. S Pandey, T Gawande and P N Kondekar, A 0.9 V, 4.57 mW UWB LNA with improved gain and low power consumption for 3.1-10.6 GHz ultra-wide band applications (2017), Springer Wireless Personal Communications, Vol. 96(1), pp. 583-597.
134. Kaushal Nigam, S Pandey, P N Kondekar, D Sharma, and P K Parte, A Barrier Controlled Charge Plasma-Based TFET With Gate Engineering for Ambipolar Suppression and RF/Linearity Performance Improvement (2017), IEEE Transaction on Electron Device, Vol. 64(6), pp. 2751-2757.



135. Varun Bajaj, K Rai, A Kumar, D Sharma, G K Singh, Rhythm-based features for classification of focal and non-focal EEG signals (2017), IET Signal Processing, Vol. 11(6), pp. 743-748.
136. Venkat Kiran, Dileep S, B Mukherjee, Compact Embedded Dual-element Rectangular Dielectric Resonator Antenna Combining Sierpinski and Minkowski Fractals (2017), IEEE Transactions on Components, Packaging and Advanced Manufacturing, Vol. 7(5), pp. 786-791.
137. Vishal Francis and Prashant K Jain, 3D printed polymer dielectric substrates with enhanced permittivity by nanoclay inclusion (2017), Virtual and Physical Prototyping, Vol. 12(02), pp. 107-115.
138. Manasi Dhekane, Ayan Seal, and Pritee Khanna, Illumination and Expression Invariant Face Recognition (2017), International Journal of Pattern Recognition and Artificial Intelligence.
139. Gyan Singh Yadav, Aparajita Ojha, Secure data hiding scheme using shape generation algorithm: A key based approach (2017), Multimedia Tools and Applications.
140. A R Gairola, Deepmala, LN Mishra, On the q -derivatives of a certain linear positive operators (2017), Iranian Journal of Science and Technology, Transactions A, Vol. 2017, pp. 01-09.
141. Z Mengdi, S Pratap, G Q Huang, Z Zhao, Optimal collaborative transportation service trading in B2B e-commerce logistics (2017), International Journal of Production Research, Vol. 55(18), pp. 5485-5501.
142. Ayan Seal, Debotosh Bhattacharjee, Mita Nasipuri, and Consuelo Gonzalo-Martin, and Ernestina Menasalvas, Fusion of Visible and Thermal Images Using a Directed Search Method for Face Recognition (2017), International Journal of Pattern Recognition and Artificial Intelligence, Vol. 31(4).
143. Deepesh Panjwani, S Priyadarshi, P K Jain, M K Samal, D Roy, JJ Roy, Puneet Tandon, A novel approach based on flexible supports for forming non-axisymmetric parts in SPIF (2017), International Journal of Advanced Manufacturing Technology, Vol. 92(5-8), pp. 2463-2477.
144. S Singh, R Sinha, PN Kondekar, Estimation of Analog/ Radio-Frequency Figures-of-Merits and Circuit Performance of Dynamically Reconfigurable Electrostatically Doped Silicon Nanowire Schottky Barrier FET (2017), Journal of Nanoelectronics and Optoelectronics, Vol. 12(04), pp. 343-351.
145. S Singh, P N Kondekar and A P Singh, Investigation of Analog/ Radiofrequency Figures-of-Merits of Charge Plasma Schottky Barrier Tunnel Field Effect Transistor (2017), Journal of Nanoelectronics and Optoelectronics, Vol. 12(04), pp. 365-374.
146. G Dutta and Y Giridhar, Nuclear Coupled Thermal-hydraulic Analysis of Fast Transient Depressur-izations in a Supercritical Water Channel in the Event of Deterioration in Heat Transfer (2017), International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 27(5), pp. 477-488.

Conferences

1. Sanasam Inunganbi, Ayan Seal and Pritee Khanna, Classification of Food Images through Interactive Image Segmentation, 10th Asian Conference on Intelligent Information and Database Systems Dong Hoi City, Vietnam, March 19 - 21, 2018.
2. M Patel and S Mukherjee, Modelling and Analysis of IPMC Based Energy Harvester, 8th International Conference on Materials Processing and Characterization (ICMPC 2018), GRIET, Hyderabad, March 16 - 18, 2018.
3. Mayur Vispute, Narendra Kumar, P K Jain, Puneet Tandon, and P M Pandey, Shrinkage Compensation Study for Performing Machining on Additive Manufactured Parts, 8th International Conference of Materials Processing and Characterization (ICMPC 2018), Hyderabad, March 16 - 18, 2018.



4. Parnika Shrivastava, and Puneet Tandon, Deformation induced Surface Roughness and Global Spring Back resulted with different plastic strain levels in Incremental Forming of original and preheated sheet samples, 1st International and 4th National Conference on Reliability and Safety Engineering (INCRS-2018), IIITDM Jabalpur, February 26 - 28, 2018.
5. Shivdayal Patel, Probabilistic Dynamic Analysis of Composite Plates for Damage Initiation Due to Low Velocity Impact, INCRS2018, IIITDM Jabalpur, pp. 01-08, February 26 - 28, 2018.
6. Shivdayal Patel and Venkata Ravi Vusa, Safety and Crash worthiness Analysis of Vehicle Armors under Impact Loading, INCRS2018, IIITDM Jabalpur, pp. 01-08, February 26 - 28, 2018.
7. Shivdayal Patel, Manander Singh, Suhail Ahmad, Safety and Reliability of Composite Production Riser in Design Phase, INCRS2018, IIITDM Jabalpur, February 26 - 28, 2018.
8. Shivdayal Patel, Mradul Awasthi, Suhail Ahmad, Safety Assessment of Femur, INCRS2018, IIITDM Jabalpur, pp. 01-08, February 26 - 28, 2018.
9. Neeraj Kumar Bhoi, Harpreet Singh and Saurabh Pratap, Strategies for Controlling the Accuracy and Reliability of Abrasive Water Jet Machining, Proceedings of 1st International and 4th National Conference on Reliability and Safety Engineering (INCRS-2018), PDPM IIITDM Jabalpur, February 26 - 28, 2018.
10. Irshad Ahmad Ansari, Chang Wook Ahn, Millie Pant, On the Security of æBlock-based SVD image watermarking in spatial and transform domains, 3rd International Conference on Digital Arts, Media and Technology, University of Phayao Chiangrai Campus, Thailand, February 25 - 28, 2018.
11. Mayank Tiwari, Bhupendra Gupta and Subir Singh Lamba, Performance Improvement of Image Enhancement Methods Using Statistical Moving Average Histogram Modification Filter, ICCGV 2018, Tokyo, Japan, February 25 - 27, 2018.
12. Vishal Francis and Prashant K Jain, Surface Enhancement Approach for FDM Rapid Prototypes by Organically Modified Montmorillonite Nanoparticles, 2018 International Joint Conference on Materials Science and Mechanical Engineering Asian Institute of Technology, Bangkok, Thailand, February 24 - 26, 2018.
13. Rupesh Nishad, Ramawatar Kulhary, Sunil Agrawal, A Mathematical Model to Solve the TALBP with Tools Sharing by Parallel Workstations, International Conference on Information Systems and Management Science (ISMS2018), University of Malta, Valletta, February 22 - 23, 2018.
14. M Vispute, N Kumar, P K Jain, Puneet Tandon, P M Pandey, On the Surface Finish Improvement Through Hybrid Additive Subtractive Manufacturing Process, 3rd International Conference on Innovative Design, Analysis & Development Practices in Aerospace and Automotive Engineering (IDAD 2018), Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, India, February 22 - 24, 2018.
15. Arun Pant, Lalit Kumar and Manoj Singh Parihar, Investigation of Non-linear Effects in Electronically Pattern Reconfigurable Hexagon shaped Loop Antenna, International Conference on Optical & Wireless Technologies 2018 (OWT2018), MNIT Jaipur, February 10-11, 2018.
16. M Ravi Kumar, Volliboina Abhilash, P Daniel Akhil, Vinay Kumar Killamsetty, B. Mukherjee, A Plasmonic MIM Bandstop Filter, 3rd International Conference on Microwave and Photonics (ICMAP), IIT ISM Dhanbad, February 09 - 11, 2018.
17. Ajay Kumar Pandey, Monika Chauhan, MRavi Kumar, Volliboina Abhilash, B Mukherjee, Band Stop Filter Using Microstrip Line Loaded With Octagonal SRR, 3rd International Conference on Microwave and Photonics (ICMAP), IIT ISM Dhanbad, February 09 - 11, 2018.



18. Anuj Kumar Sahoo, Ravi Dutt Gupta and Manoj Singh Parihar, Dual Band Circularly Polarized Dielectric Resonator Antenna for X-Band Applications, International Conference on Microwave and Photonics (ICMAP), IIT (ISM) Dhanbad, February 09 - 11, 2018.
19. Jolly Hanna Kindo, Lalit Kumar and Manoj Singh Parihar, Planar Ultra Wideband (UWB) Filtenna Using Hexagonal Shape Structure, International Conference on Microwave and Photonics (ICMAP), IIT (ISM) Dhanbad, February 09 - 11, 2018.
20. Sushil Tiwari, Vinod Kumar Jain, Smartphone based Improved Floor Determination Technique for Multi-Floor Buildings, World Congress on Engineering 2018 (WCE 2018), Imperial College, London, U.K., February 04 - July 06, 2018.
21. A K Mittal, L K Balyan, Numerical solution of Benjamin-Bona-Mahony-Burger (BBMB) and regularized long-wave (RLW) equations Using Time-Space Pseudo-Spectral Method, ICAPM-2018, Thailand, January 27 - 29, 2018.
22. Harpreet Singh and Neeraj Kumar Bhoi, Experimental study pertaining to microwave sintering (MWS) of Al-Metal Matrix Composite - A review, 3rd International Conference on Composite Materials and Material Engineering (ICCMME-2018), National University of Singapore, Singapore, January 26 - 28, 2018.
23. T Bajpei, H Chelladurai and MZ Ansari, Numerical prediction of residual stresses and distortions in GMA welding of thin aluminium alloys, ICTACEM 2017, Indian Institute of Technology Kharagpur, December 28 - 30, 2017.
24. Mangal Singh Lodhi, Goutam Dutta, Tanuja Sheorey, Cooling of Mems Devices Using Nano-Fluids, 24th National and 2nd International ISHMT-ASTFE, Heat and Mass Transfer Conference (IHMTTC-2017), BITS Pilani Hyderabad campus and IIT Hyderabad, pp. 01-08, December 27 - 30, 2017.
25. Ajay Choksi Kushan and S K Jain, Pattern Matrix and Decision Tree based Technique for Non-Intrusive Monitoring of Home Appliances, 7th International Conference on Power Systems (ICPS 2017), College of Engineering, Pune, India, December 21 - 23, 2017.
26. S Maurya and V K Jain, EECP: An energy efficient coverage preserving protocol for heterogeneous sensor networks 2017, IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Bhubaneswar, India, pp. 1-6, December 17 - 20, 2017.
27. S Gupta, A Tandy, S Gupta, M Chouhan, B Mukherjee, A Compact Half-Hemispherical DRA with two combined Fractal Approach, IEEE Indicon 2017 IIT Roorkee, December 15 - 17, 2017.
28. M Shiva Sai, M Amarnath, Shashikant Pandey, Early detection of bearing faults by using vibration signal analysis Indian Society of Theoretical and Applied Mechanics, University college of engineering, Osmania University, December 15 - 18, 2017.
29. VS Verma, A K Garg, A Bhardwaj, R K Jha, and A Ojha, Robust image watermarking using combined DSR-SVM with PCA based feature reduction, IEEE 2016 Sixth International Symposium on Embedded Computing and System Design (ISED), 2016, IIT Patna, India, pp. 323-327, December 15 - 17, 2017.
30. Donghoon Chang, Mohona Ghosh, Arpan Jati, Abhishek Kumar and Somitra Sanadhya, eSPF: A Family of Format-Preserving Encryption Algorithms using MDS Matrices, SPACE 2017, Don Bosco College of Engineering, Goa, India, in cooperation with International Association for Cryptologic Research (IACR) and Cryptology Research Society of India (CRSI), December 13 - 17, 2017.
31. A Hazra, I Mal, D P Samajdar and T D Das, Computation of Electronic and Optical properties of GaAsSbN Using 16-Band kp Hamiltonian, IWPSD 2017, IIT DELHI, December 11 - 15, 2017.



32. I Mal, A Hazra, D P Samajdar and T D Das, Investigation of Electronic and Optical properties of GaSbBi/GaAs Type-II Quantum Wells Using 14-Band kp Hamiltonian, IWPSD 2017, IIT DELHI, December 11 - 15, 2017.
33. Neha Gour and Pritee Khanna, Blood Vessel Segmentation using Hybrid Median Filtering and Morphological Transformation, The Thirteenth International Conference on Signal Image Technology & Internet Based Systems (SITIS2017), MNIT Jaipur, India, December 04 - 07, 2017.
34. Sawan Rai and Atul Gupta, Method level text summarization for Java code using Nano Pattern, 24th Asia Pacific Software Engineering Conference APSEC 2017, Nanjing China, December 04 - 08, 2017.
35. Neeraj K Jaiswal, A Kumar, C Patel, Functionalization and Migration of Bromine Adatoms on Zigzag Graphene Nanoribbons: A First-principles Study, ICC 2017, Govt. Engg. College Bikaner, November 24 - 25, 2017.
36. Prateeksha Sharma and V Dinesh Kumar, Surface Plasmon Bragg Grating Using Hybrid Metal Insulator Metal Plasmonic Waveguide, The 39th PIERS in Singapore Nanyang Technological University (NTU), November 19 - 22, 2017.
37. K L Kashyap, M K Bajpai, P Khanna, Breast Tissue Density Classification in Mammograms Based on Supervised Machine Learning Technique, 10th Annual ACM COMPUTE Conference, Bhopal, India, November 16 - 17, 2017.
38. Ravi Panwar, Dharmendra Singh, Microwave heat treated ferrite based X-band microwave absorber with wide bandwidth for low observable applications, IEEE Asia-Pacific Microwave Conference (APMC), Renaissance Kuala Lumpur, Malaysia, November 13 - 16, 2017.
39. Sandeep K Khandai, S K Jain, Comparison of Sensors Performance for the Development of Wrist Pulse Acquisition System, 2017 IEEE Region 10 Conference (TENCON-2017), The Wembley St. Giles Premier Hotel, Penang, Malaysia, November 05 - 08, 2017.
40. Ayushi Jain, Akarsh Dang, Vandana Kumari, Koushendra K Singh, B K Singh, Manish Bajpai, Fractional Order Differentiator based Edge Detection in Remote Sensing Images, IEEE TENCON IEEE, November 05 - 09, 2017.
41. Shikha Maurya and M Bansal, Designing of a Relay Precoding Matrix using Singular Value Decomposition, 2017 Conference on Information and Communication Technology, ABV- IITM Gwalior, India, November 03 - 05, 2017.
42. Mishra Shiwangi and Khanna Pritee, Early detection of Alzheimer's disease using fusion techniques on 3D brain views, CICT 2017, IEEE International Conference on Information and Communication Technology, IITM Gwalior, November 03 - 05, 2017.
43. Shikha, Sonam Maurya, Vinod Kumar Jain, EHDP: An Efficient Hybrid Data Dissemination Protocol for Dense Irregular Urban Vehicular Ad-hoc Networks, Conference on Information & Communication Technology, 2017(CICT 2017), ABV-Indian Institute of Information Technology and Management (ABV-IITM), Gwalior, pp. 1-6, November 03 - 05, 2017.
44. Sonali Sunil Chaudhari, Sonam Maurya, Vinod Kumar Jain, MAEER: Mobility Aware Energy Efficient Routing Protocol for Internet of Things, Conference on Information & Communication Technology, 2017(CICT 2017), ABV-Indian Institute of Information Technology and Management (ABV-IITM), Gwalior, pp. 1-6, November 03 - 05, 2017.
45. Bandi Venkata Chandan, kaushal nigam, Sunil pandey, Dheeraj Sharma, and P N Kondekar, Temperature sensitivity Analysis on Analog/RF and linearity metrics of electrically doped Tunnel FET, Conference on information and communication technology, ABV-IITM Gwalior, November 03 - 05, 2017.



46. Sudhir Kumar Singh, and Puneet Tandon, Comparison of Heterogeneous Modeling Based Different Patterns of Hip Prosthesis Design, International Conference on Computational Biology 2017 (ICCB17), World Congress on Engineering and Computer Science 2017 (WCECS 2017), University of California, Berkeley, San Francisco, pp. 530-533, October 25 - 27, 2017.
47. Pavan Kumar, and Puneet Tandon, Estimation of Material Model Parameters from Mixed Loading Test for effective Simulation of Incremental Sheet Forming, International Conference on Modeling, Simulation and Control (ICMSC 17), World Congress on Engineering and Computer Science 2017 (WCECS 2017), University of California, Berkeley, San Francisco, pp. 841-846, October 25 - 27, 2017.
48. Kanchanlata Kashyap, Manish Bajpai, Pritee Khanna, Fractional Order Differential based Breast Tissues Density Classification in Mammograms, World Congress in Engineering and Computer Science, USA, October 25 - 27, 2017.
49. Kashyap K L, Singh K K, Bajpai M K, and Khanna Pritee, Fractional Order Filter based Enhancement of Digital Mammograms, International Conference on Signal Processing and Imaging Engineering (ICSPIE 2017) under 25th World Congress on Engineering and Computer Science 2017, Clark Kerr Campus, University Conference Center of University of California, Berkeley, San Francisco, pp. 416-421, October 25 - 27, 2017.
50. Harkeerat Kaur and Pritee Khanna, Non-invertible Biometric Encryption to Generate Cancelable Biometric Templates, International Conference on Signal Processing and Imaging Engineering (ICSPIE 2017) under 25th World Congress on Engineering and Computer Science 2017, Clark Kerr Campus, University Conference Center of University of California, Berkeley, San Francisco, pp. 432-435, October 25 - 27, 2017.
51. Sonika Sahu, Mohd. Zahid Ansari and Chongdu Cho, Numerical Studies on Low-Velocity Impact Failure Response of Al 1100 under Blunt and Hemispherical Impactors, 6th International Conference on Material Science and Engineering Technology (ICMSET 2017), Seoul, South Korea, October 20 - 22, 2017.
52. Dheeraj Sharma, Bhagwan Ram Raad, and Sukeshni Turkey, Channel Engineered Tunnel FET for Reduced Ambipolar Nature, 5th Berkeley Symposium on Energy Efficient Electronic Systems and Steep Transistors Workshop, University of California, Berkeley, USA, October 19 - 20, 2017.
53. Sarthak Gupta, Kaushal Nigam, Sunil Pandey, Dheeraj Sharma and P N Kondekar, Performance Improvement of Heterojunction Double Gate Drain Over lapped TFET using Gaussian Doping, 5th Berkeley Symposium on Energy Efficient Electronic Systems and Steep Transistors Workshop, University of California, Berkeley, USA. , October 19 - 20, 2017
54. P Sateesh Kumar, M Amarnath, Z Ansari, Experimental studies to assess wear in journal bearing based on the tribological parameters, 5th International Conference and Exhibition on Sustainable Energy and Advanced Materials 16-19 October 2017, Melaka, Malaysia, MYTRIBOS Malaysia, October 16 - 19, 2017
55. Koushlendra K Singh, B K Singh, Manish Bajpai, Fractional Order Savitzky-Golay Differentiator based Approach for Mammogram Enhancement, IEEE international conference on Imaging Science and Techniques, IEEE, October 16 - 18, 2017.
56. Narendra Kumar, P K Jain, Puneet Tandon, and P M Pandey, 3D Printing of Flexible Parts International Conference on Physics and Mechanics of New Materials and Their Applications (PHENMA 2017), PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India, October 14 - 16, 2017.
57. Ruban, G. Dutta, Tanuja Sheorey, Failure Analysis of Nuclear fuel rod cladding Material Zircalloy-2, 6th PHENMA, PDPM IIITDM Jabalpur, pp. 01-06, October 14 - 16, 2017.



58. Neeraj K Jaiswal, First principle investigations for the spintronic properties of Cl functionalized zigzag graphene nanoribbons, PHENMA 2017, IIITDM Jabalpur, October 14 - 16, 2017.
59. Shashank Kumar and Mohd. Zahid Ansari, Modelling and Numerical Characterization of High sensitive Microcantilever Biosensors with Parabolic Piezoresistor, Physics And Mechanics Of New Materials And Their Applications (PHENMA-2017), IIITDM Jabalpur, October 14 - 16, 2017.
60. Mohd. Zahid Ansari, Abhinaw Kumar Singh, Rajiv Ranjan, Mahak Bisen, Piezoelectric Actuators and Grippers for Micromanipulation, Physics And Mechanics Of New Materials And Their Applications (PHENMA-2017), IIITDM Jabalpur, October 14 - 16, 2017.
61. Shivdayal Patel, Progressive Damage Modeling on Basalt-Kevlar Hybrid Composite under Ballistic Impact, PHENMA 2017, PDPM Indian Institute of Information Technology, Design and Manufacturing, India, pp. 01-06, October 14 - 16, 2017.
62. Sukhjeet Singh, Pavan Kankar, Taper Roller Bearing Faults Diagnosis using Artificial Neural Networks and Support Vector Machines, 3rd International Conference on Mechanical Engineering and Automation Science, University of Birmingham, U.K., pp. 01-06, October 13 - 15, 2017.
63. Pankaj Kumar Yadav, Srinivas Pandey, Mamata Samal, and Sraban Kumar Mohanty, Nearest Neighbor based Clustering Algorithm for Large Data Sets, International Conference on Computer, Communication and Computational Sciences (IC4S- 2017), Swissôtel Resort Phuket Patong Beach, Thailand, pp. 01-09, October 11 - 12, 2017.
64. Mayank Tiwari, Bhupendra Gupta, Subir Singh Lamba, A Software Supported Approach for Improving Visibility of Back-Light Images Using Image Threshold Based Adaptive Gamma Correction, IC4S 2017, Phuket, Thailand, October 10 - 12, 2017.
65. Mayank Tiwari, Bhupendra Gupta, Enhancing Source Camera Identification Using Weighted Nuclear Norm Minimization De-noising Filter, IC4S 2017, Phuket, Thailand, October 10 - 12, 2017.
66. S Turkey, Controlling Ambipolar Behaviour and reducing radio frequency performance of Hetero- Junction Double gate TFET by Dual work function, Hetero gate dielectric and Gate Underlap: Assessment and Optimization, IEEE International Conference on Information Communication Instrumentation and Control (ICICIC -2017), at Medi-caps University, September 17 - 19, 2017.
67. D S Yadav, Temperature based performance analysis of doping-less Tunnel Field Effect Transistor, IEEE International Conference on Information Communication Instrumentation and Control (ICICIC -2017), Medi-caps University Indore India, September 17 - 19, 2017.
68. S Pandit, N Vinod, Ergonomic issues related to production process of silk dye units of India, International conference on Innovative research in Science, Technology and Management Singapore, National University of Singapore, September 16 - 17, 2017.
69. Shilendra Kumar Tripathi, Bhupendra Gupta, An Efficient Digital Signature Scheme by Using Integer Factorization and Discrete Logarithm Problem, ICACCI-2017, Manipal India, September 13 - 16, 2017.
70. K K Soundra Pandian and Bhupendra Gupta, Implementation of hash value based dynamic stream cipher using feedback with carry shift register, IEEE - 12th International Conference on Digital Information Management, Kyushu University, Fukuoka, Japan, September 12-14, 2017.
71. Nidhi Gupta, S Mishra, and Pritee Khanna, Classification of Brain MRIs forming Superpixels, ICACCP 2017, IEEE International Conference on Advanced Computational and Communication Paradigms, Sikkim, India, September 08 - 10, 2017.



72. S D Patel, C Guedes, Soares, Probability of Failure of composite beams under high velocity impact, structural reliability safety and environmental protection, MARSTRUCT 2017, Institute Superior Tecnico Lisbon, Portugal, pp. 487-496, September 08 - 10, 2017.
73. Abdulkadir Sengur, Mehmet Gedikpinar, Yaman Akbulut, Erkan Deniz, Varun Bajaj, and Yanhui Guo, DeepEMGNet: an Application for Efficient Discrimination of ALS and Normal EMG Signals, 12th International Conference Mechatronics 2017 Brno, Czech Republic, September 06 - 08, 2017.
74. A Tandy, M Chauhan, S Gupta, B Mukherjee, A compact notched chamfered Rectangular Dielectric Resonator Antenna with Edge Grounding for Ultra-Wideband Application, 11th International Congress on Engineered Material Platforms for Novel Wave Phenomena Metamaterials 2017, Aix Marseille University, Marseille, France, August 28 - September 02, 2017.
75. I Sharma, A Kumar, G K Singh, L Balyan, A new hybrid CSE technique for multiplier less FIR filter, 22nd International Conference on Digital Signal Processing London, United Kingdom, August 23 - 25, 2017.
76. Ila Sharma, A Kumar, L K Balyan and GK Singh, A New Hybrid CSE Technique For Multiplier-Less Fir Filter, DSP-2017, London, pp. 06-10, August 23 - 25, 2017.
77. H Singh, A Kumar, L K Balyan and GK Singh, A novel optimally gamma corrected intensity span maximization approach for dark image enhancement, DSP-2017, London, pp. 01-05, August 23 - 25, 2017.
78. Rajiv Dey, Bharat Verma, Sachin K Jain and Prabin K. Padhy, Proportional Learning Rate Model Reference Adaptive Control for Fast Adaptation, International Conference on Information, Communication, Instrumentation and Control, Indore, India, August 17 - 19, 2017.
79. Bharat Verma, Prabin K Padhy, Design of a New Linear Robust Controller Structure, International Conference on Information, Communication, Instrumentation and Control, Indore, India, August 17 - 19, 2017.
80. Swapnil Deokar, P K Jain, and Puneet Tandon, Formability Assessment in Single Point Incremental Sheet Forming through Finite Element Analysis, International Conference on Advances in Materials and Manufacture Applications (IConAMMA 2017), Bengaluru, India, August 17 - 19, 2017.
81. R Dey, S K Jain and P K Padhy, Rohrs Benchmark Problem Revisited by Adaptive Control with Closed Loop Reference Model, International Conference on Information, Communication, Instrumentation and Control, Indore, India, August 17 - 19, 2017.
82. Sangharatna Ramteke, H Chelladurai and K K Soundra Pandian, Simulation and analysis of magnetic field strength with magnetoresistive sensor: A future application, The IEEE 3rd International Conference on Engineering, Technologies and Social Sciences, Asian Institute of Technology Conference Center (AITCC) Thailand, pp. 115-118, August 07 - 08, 2017.
83. S Taran et. al., TEO Separated AM-FM Components Used for Identification of Apnea EEG Signals, 2nd IEEE International Conference on Signal and Image Processing (ICSIP 2017), NTU@one-north, Singapore, August 04 - 06, 2017.
84. Mylarapu Shiva Sai, Guggila Shobabu, U. Sneha Lekha, Samta J Joshi, Shivani Srivastava, Chelladurai H and K K Soundra Pandian, Android based Advanced Car Lifting System using Bluetooth, International Conference on Energy, Communication, Data Analytics and Soft Computing SKR Engineering College, pp. 1026-1030, August 01 - 02, 2017.
85. Preeti Jain, Atul Kumar Tiwari, Sachin K Jain, ESPRIT-THP Method for Harmonic Source Identification in Distribution System, International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS), SKR Engineering College, Chennai, India, August 01 - 02, 2017.



86. Quamruz Zaman, Megha Chittoraa, Siddharth Kashyap, Bhoopesh Keshari, Mukesh Kumaryadav, Sujoy Mukherjee and K K Soundra Pandian, Android based Personal Travelling Assistant using turning algorithm, International Conference on Energy, Communication, Data Analytics and Soft Computing, SKR Engineering College, pp. 256-260, August 01 - 02, 2017.
87. Tanveer Kaur, Ravi Panwar, Rajesh Khanna, Design of resistive circuit elements based broadband metamaterial structures from 2 to 18 GHz Metamaterials 2017, The 8th International Conference on Metamaterials, Photonic Crystals and Plasmonics, Seoul, South Korea, pp. 05-06, July 25 - 28, 2017.
88. Nitin Upadhyay, Pavan Kumar Kankar, Extreme Learning Machine and Decision Tree Based Ensemble Techniques for Diagnosis of Rolling Element Bearing Defects, 24th International Congress on Sound and Vibration, London, UK/ International Institute of Acoustics and Vibration (IIAV), pp. 01-08, July 23 - 27, 2017.
89. S Lee, Anil Kumar, Y Shin, Heung-No Lee, An Improved Design of EEG Monitoring System with Dry Electrodes, 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Jeju Island, Korea, July 11 - 15, 2017.
90. S A Suhas, M Amarnath, BS AjayVardhaman, MZ Ansari, Experimental investigations to assess surface wear in a spur geared system, International Conference on Manufacturing Technology and Simulation (ICMTS), IIT Madras, Chennai, July 10 - 11, 2017.
91. Animesh Kumar Amar, and Puneet Tandon, Study of effect of addition of a polymer on abrasive water jet machining by simulation, International Conference on Manufacturing Technology and Simulation (ICMTS 2017), IIT Madras, Chennai, India, July 07 - 08, 2017.
92. A Mishra, A K Sharma, P Raj and S Mukherjee, Dynamic Modeling and Analysis of Thrust Performance of an Ionic Polymer Metal Composite Underwater Propulsor, Eighth International Conference on Smart Materials, Structures & Systems (ISSS2017), Indian Institute of Science, Bengaluru, July 05 - 07, 2017.
93. M K Ahirwal, A Kumar, and G K Singh, An Approach to Design Self Assisted CBIR System, International Conference on Graphics and Signal Processing Singapore, June 24 - 27, 2017.
94. S Pandit, S Bharti, Accidents and risk factor analysis among marble carving artisans of central India due to traditional hand-tool use, 8th International Conference on Applied Human Factors and Ergonomics, Los Angeles, California, June 17 - July 21, 2017.
95. Mangal Lodhi, Goutam Dutta and Tanuja Sheorey, A numerical model to predict the feasibility of Alumina nano fluid in microchannel, 10th International conference on computational heat, mass and momentum transfer, Korean Society for fluid machinery at Seoul, Republic of Korea, May 28 - June 01, 2017.
96. R Upadhyay, S K Rai and G Dutta, Numerical Analysis of Heat Transfer Deterioration and Density Wave Instability in a Supercritical Water Reactor, 10th International Conference on Computational Heat, Mass and Momentum Transfer, Seoul, South Korea, May 28 - June 01, 2017.
97. S Rai, R Upadhyay, G Dutta and T Sheorey, Numerical Investigation of Ledinegg Flow Instabilities in Supercritical Natural Circulation Loop, 10th International Conference on Computational Heat, Mass and Momentum Transfer, Seoul, Republic of Korea, May 28 - July 01, 2017.
98. Rakesh Haldkar, Tanuja Sheorey, Vijay Gupta and Zahid Ansari, Four segment piezo based micropump, Smart Sensors, Actuators, and MEMS VIII conference, Barcelona, Spain, May 08 - 10, 2017.
99. P N Kondekar and B Awadhiya, Effect of parameter variation in UTBB FDSOI NCFET, 2017 Joint IEEE International Symposium on the Applications of Ferroelectric (ISAF)/International Workshop on Acoustic Transduction Materials and Devices (IWATMD)/Piezoresponse Force Microscopy (PFM), Georgia Institute of Technology, Atlanta USA, pp. 45-47, May 07 - 11, 2017.



100. Pramod Kumar Jain and Prabir Mukhopadhyay, Fusion of Design and Technology India-UK Design Education Workshop Series: Future of Design Education, Indian Design Council with British Council in India, Held at National Institute of Design, Ahmedabad, May 05 - 07, 2017.
101. Deepi Singh, P K Padhy, Design and tuning of fractional PID controller for higher order processes using PSO-NM, IPACT 2017, VIT Chennai, April 21 - 22, 2017.
102. Bharat Verma, Prabin K Padhy, Tuning of PID Controller Using Sigmoidal Weighted Error Function, International Conference on Innovations in Power and Advanced Computing Technologies Vellore, India, April 21 - 22, 2017.
103. Deepika Singh et, al., A Charge Plasma based Dielectric Modulated heterojunction TFET based Biosensor for Health-IoT Applications, 1ST International Conference on Smart System, Innovation and Computing (SSIC-2017) and Springer book series, Manipal University, Jaipur, India, April 15 - 16, 2017.
104. Anju Gedam et, al., Realization of Junctionless TFET based Power Efficient 6T SRAM Memory Cell for Internet-of-Things Applications, 1ST International Conference on Smart System, Innovation and Computing (SSIC-2017) and Springer book series, Manipal University, Jaipur, India, April 15 - 16, 2017.
105. M Z Ansari and C Cho, Optimised step profile microcantilevers for biosensors, International Conference on Functional Materials, Characterization, Solid State Physics, Power, Thermal and Combustion Energy: (FCSPTC-2017), RCE, Eluru, AP, India, April 07 - 08, 2017.
106. S Pare, A Kumar and G K Singh, Color Multilevel Thresholding using Gray-Level Co-occurrence Matrix and Differential Algorithm, 6th IEEE Int. Conf. on Communication and Signal Processing, Melmaruvathur, TN, India, April 06-08, 2016.
107. S Jain, A Kumar and V Bajaj, QRS Complex Detection using Cuckoo Search Optimization Algorithm, 6th IEEE Int. Conf. on Communication and Signal Processing, Melmaruvathur, TN, India, April 06-08, 2017.
108. H Singh, A Kumar, L K Balyan and G K Singh, Dark Image Enhancement using Optimally Compressed and Equalized Profile based Parallel Gamma Correction, ICCSP-2017 Melmaruvathur, India, April 06 - 08, 2017.
109. M Sinha, Bharat Verma, Prabin K Padhy, Design of Fractional Order IMC-PID Controller for Non- Integer Order System with Delay Using PSO, ICTPACT-17, Chennai, India, April 06 - 08, 2017.

Faculty Achievements

1. Dr Ayan Seal, Member of Editorial Review Board, International Journal of Risk and Contingency Management.
2. Dr Ayan Seal, A member of an Editorial Board, Medwin Publishers.
3. Dr Biswajeet Mukherjee, Awarded Hari Om Ashram Prerit Harivallabhdas Chunilal Shah Research Endowment Prize in the field of Electronics & Communication for the year of 2015-16, declared in 2017, by Sardar Patel University, Gujarat.
4. Dr Biswajeet Mukherjee, Young Faculty in Engineering Award by Venus International foundation.
5. Dr Biswajeet Mukherjee, Awarded INSA Visiting Scientist Fellowship.
6. Dr Deepmala, Award Session Chair Award in an International Conference on Innovative Research in Science, Technology and Management (ICIRSTM-17) at National University Singapore (NUS), Singapore during 16-17 Sep, 2017.



7. Dr Deepmala, Award Young scientist award (Mathematics) in International conference CONIAPS-XXI 2017, India.
8. Dr KK Soundra Pandian, Awarded the Outstanding Scientist by Venus International Research Foundation, 2017.
9. Dr K K Soundra Pandian, Visiting Postdoc Fellow (Researcher) - New York University.
10. Dr Lokendra Kumar, Technical Committee Member of International conference on Applied Physics and Mathematics, Phuket, Thailand- January 27-29, 2018.
11. Dr Manoj Singh Parihar, Best paper award on "A Design of Compact Planar Active Integrated Inverted-F Antenna (AI-PIFA) for Mobile Handsets" in International Conference on Optical and Wireless Technologies 2017 (OWT-2017) at MNIT Jaipur.
12. Dr Pritee Khanna, Guest Editor, Virtual Special Issue on Pattern Recognition Techniques for Non Verbal Human Behavior, Pattern Recognition Letters.
13. Prof Puneet Tandon, IMTEX 2018 Second Prize for the Research Work on Double Sided Incremental Forming.
14. Prof Puneet Tandon, Established LeNS_India Lab (an international Collaborative Lab) at IIITDM Jabalpur.
15. Prof Puneet Tandon, Member, International Organizing Committee Asia - Computer Aided Design Conference and Exhibition, CAD-17, Okayama, Japan.
16. Dr Ravi Panwar, Early Career Research Award.
17. Dr Ravi Panwar, Top Poster Award under Swachh Bharat Mission of Govt. of India in SYPOG-Young Scientists Conclave, IISF 2017, IIT Madras
18. Dr Sachin Kumar Jain, Top Poster Award in Swasth Bharat category at IISF-2017, held at Anna University, Chennai.
19. Dr Saurabh Pratap, Outstanding reviewer of International Journal "Computers & Industrial Engineering".
20. Dr Shivdayal Patel, Best Paper Award "Probabilistic Dynamic Analysis of Composite Plates for Damage Initiation Due to Low Velocity Impact" INCRS-2018.
21. Prof Vijay Kumar Gupta, Member, Technical Programme Committee, International conference on Computational Material Science and Thermodynamic Systems.

Conference Organized

1. Prof Vijay Kumar Gupta, Conference Chair, Prof Puneet Tandon, Member, Organizing Committee, and Dr Pavan Kumar Kankar, Conference Co-Chair, 1st International and 4th National Conference on Reliability and Safety Engineering (INCRS-2018), PDPM IIITDM Jabalpur, 2018.
2. Dr Shivdayal Patel, Member, Advisory Committee, and Mohd. Zahid Ansari, Member, Program Committee, International Conference and 4th National Conference on Reliability And Safety Engineering (INCRS-2018), IIITDM Jabalpur, 2018.
3. Dr Pritee Khanna, Member, Program Committee, International Conference on Computing: Communication, Networks and Security (IC3NS 2018), Sikar, Rajasthan, India, 2018.
4. Dr Sraban Kumar Mohanty, Track chair: Sequential, Parallel, Distributed and Cloud Computing (PDC), 16th International Conference on Information Technology Bhubaneswar, India, 2017.
5. Dr Tripti Singh, Member, Technical Committee, 4th International Conference on History and Culture (IHC 2017), Kyoto Japan, 2017.



6. Prof Puneet Tandon, Conference Chair, International Conference on Mechatronics and Mechanical Engineering, ICMME 2017, Kuala Lumpur, Malaysia, 2017.
7. Dr Pritee Khanna, Member, Program Committee, International Conference on communication Systems and Network Technologies (CSNT-2017), IIIT, Nagpur, 2017.
8. Dr Pritee Khanna and Dr Matadeen Bansal, Member, Steering Committee, Conference on Information and Communication Technology (CICT-2017), IIITM Gwalior, 2017.
9. Prof Vijay Kumar Gupta, Conference Chair, Dr Pavan Kumar Kankar, Conference Co-Chair, Prof Puneet Tandon, Member, Scientific Programme Committee, and Dr Mohd. Zahid Ansari and Prof Tanuja Sheorey, Member, Program Committee, International Conference on Physics and Mechanics of New Materials and their Applications (PHENMA 2017), PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India, 2017.
10. Dr Pritee Khanna, Area Chair, Second International Conference on Computer Vision and Image Processing (CVIP2017), IIT Roorkee, 2017.
11. Prof Puneet Tandon, Member, International Organizing Committee – Asia Computer Aided Design Conference and Exhibition, CAD 17 Okayama, Japan, 2017.
12. Dr Pritee Khanna, Member, Program Committee, International Conference of Computational Intelligence and Intelligent Systems (ICCIIS) of World Congress on Engineering (WCE), London, UK, 2017.
13. Prof Puneet Tandon, Member, Conference Committee, The 2017 International Conference of Computational Intelligence and Intelligent Systems (ICCIIS 17), London, U.K., 2017.
14. Prof Puneet Tandon, Member, Advisory Committee, National Conference on Recent Advances in Mechanical Engineering (NCRAME 2017) National Institute of Technology, Kurukshetra, India, 2017.
15. Dr Vinod Kumar Jain, Coordinator, FDP on Fundamentals of Computer Networks and Security, PDPM-IIITDM Jabalpur, 2017.
16. Prof Puneet Tandon, Member, Advisory Committee, 3rd International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2017), I.T.S Engineering College, Greater Noida, Uttar Pradesh, India, 2017.
17. Dr Harpreet Singh, Member, Executive Committee, International Conference on Recent Advances in Mechanical Engineering (ICRAME), LPU Jalandhar, 2017.

Event Organized

1. Dr Saurabh Pratap, Convener, SPIC MACAY EVENT "MR. BRUCE HAMM", Sponsoring Agency: MHRD, Govt. of India, Venue: IIITDM Jabalpur, March 10, 2018.
2. Dr Shivdayal Patel, Convener and Dr Harpreet Singh, Coordinator, 1st International and 4th National Conference on Reliability and Safety Engineering (INCRS-2018), Sponsoring Agency: BARC, Venue: IIITDM Jabalpur, February 26-28, 2018.
3. Dr Atul Gupta, Coordinator, FDP on Research Methodology, Sponsoring Agency: ICT Academy IIITDM Jabalpur, Venue: SIRT, Indore, February 22-26, 2018.
4. Dr Atul Gupta, Coordinator, FDP on Soft Computing and Machine Learning, Sponsoring Agency: ICT Academy, Venue: MANIT, Bhopal, February 05-09, 2018.
5. Prof Vijay Kumar Gupta, Coordinator, QIP STTP on Smart Materials and Structures (SMS-2018), Sponsoring Agency: AICTE, Venue: PDPM IIITDM Jabalpur, January 15-19, 2018.



6. Dr Pritee Khanna, Coordinator, Short Term Course on Data Mining Algorithms for Graph, Text, and Streaming Data, Sponsoring Agency: GIAN, Venue: IIITDM Jabalpur, December 19-27, 2017.
7. Prof Puneet Tandon, Coordinator, Short Term Program on Mechanical Manufacturing & Monitoring using MATLAB (MMM-2017), Sponsoring Agency: Electronics & ICT (E&ICT) Academy IIITDM Jabalpur, Venue: Visvesvaraya National Institute of Technology, Nagpur, December 11-16, 2017.
8. Dr Pritee Khanna and Dr Dinesh Kumar Vishwakarma, Coordinator, Design Workshop 2017 (DeW 2017), Sponsoring Agency: BrahMos, PGCIL, alfaTKg, Venue: IIITDM Jabalpur, December 09-11, 2017.
9. Prof Tanuja Sheorey, Convener, One day joint meeting with faculty of JNKVV and Director NDR on Possible use of micro air vehicles in agricultural use, Sponsoring Agency: PDPM IIITDM Jabalpur, Venue: PDPM IIITDM Jabalpur, November 16-17, 2017
10. Prof Vijay Kumar Gupta, Coordinator and Dr Shivdayal Patel, Convener FDP on Finite Element Practice and Applications, Sponsoring Agency: Electronics and ICT Academy, IIITDM Jabalpur, Venue: IIITDM Jabalpur, October 31 – November 04, 2017.
11. Dr Harpreet Singh, Coordinator, Vigilance Awareness Week by Government of India Vigilance Awareness Week 2017, Sponsoring Agency: IIITDM and Government of India, Venue: PDPM IIITDM Jabalpur, October 30 – November 03, 2017.
12. Dr Harpreet Singh, Convener and Dr Saurabh Pratap, Co-Convener, Paryatan Utsav or Tourism Fair, Sponsoring Agency: IIITDM and MHRD, Venue: PDPM IIITDM Jabalpur, October 21-25, 2017.
13. Dr Atul Gupta, Coordinator, AICTE Sponsored STP on Pattern Recognition and Its Applications PRIA 2017, Sponsoring Agency: QIP, Venue: IIITDM Jabalpur, October 12-16, 2017.
14. Dr Ayan Seal, Coordinator, Short Term Program on Pattern Recognition and Its Applications, Sponsoring Agency: AICTE, Venue: PDPM IIITDM Jabalpur, October 12-16, 2017.
15. Dr Manish Kumar Bajpai, Convener, Workshop on parallel computing workshop 2017, Sponsoring Agency: Intel India, Venue: IIITDM Jabalpur, October 07-08, 2017.
16. Prof Puneet Tandon, Coordinator, Workshop on Industrial Motivation Programme, Venue: IIITDM Jabalpur, October 04, 2017.
17. Dr Mohona Ghosh, Coordinator, Expert Talk by Dr Somitra Sanadhya from IIT Ropar, Sponsoring Agency: IIT Ropar, Venue: PDPM-IIITDM Jabalpur, October 03-04, 2017.
18. Dr Pavan Kumar Kankar, Coordinator, Short Term Program on Recent Advancement in Product Design, Manufacturing and Maintenance Techniques, Sponsoring Agency: AICTE under QIP, Venue: PDPM IIITDM Jabalpur, September 16-20, 2017.
19. Dr Saurabh Pratap, Convener, (Indian Heritage Club) SPIC MACAY CLUB, Kabir Bharti, Sponsoring Agency: MHRD, Venue: PDPM IIITDM Jabalpur, September 11, 2017.
20. Prof Puneet Tandon, Coordinator, Promotional Event on National Entrepreneurship Award 2017 (NEAS-2017), Sponsoring Agency: Ministry of Skill Development & Entrepreneurship (MoSDE) and SINE, IIT Bombay, Venue: IIITDM Jabalpur, September 01, 2017.
21. Dr H Chelladurai, Dr M Amarnath and Dr K K Soundra Pandian, Coordinator, AICTE sponsored QIP short term course on Recent Advancements in Industrial Instrumentation and Signal Processing Techniques (RAIS, 2017), Sponsoring Agency: AICTE, Venue: IIITDM Jabalpur, August 21-25, 2017.
22. Dr Atul Gupta, Coordinator, FDP on Recent Trends in Natural Language Processing, Sponsoring Agency: Electronics and ICT Academy, IIITDM Jabalpur, Venue: YCCE, Nagpur, July 10-15, 2017.



23. Prof Aparajita Ojha and Dr Sraban Kumar Mohanty, Coordinator, Training Program on Introduction to Data Structure and Programming in C, Sponsoring Agency: ICT Academy, Venue: IIITDM Jabalpur, July 01-10, 2017.
24. Dr Varun Bajaj, Coordinator, Short term course on Emerging nano-electronics devices modelling, simulation and applications, Sponsoring Agency: AICTE, Venue: IIITDM Jabalpur, June 26-30, 2017.
25. Dr Pritee Khanna, Coordinator, Training Program on Fundamentals of Databases, Sponsoring Agency: Electronics and Information and Communication Technology Academy, Venue: PDPM IIITDM Jabalpur, June 23–July 03, 2017
26. Dr Atul Gupta, Convener, Yoga Shivar on International Yoga Day, Sponsoring Agency: IIITDM Jabalpur, Venue: IIITDM Jabalpur, June 16-21, 2017.
27. Prof Vijay Kumar Gupta and Prof Aparajita Ojha, Coordinator, FDP on Finite Element Method and Applications, Sponsoring Agency: ICT Academy IIITDM Jabalpur, Venue: IIITDM Jabalpur, May 11-16, 2017.
28. Prof Puneet Tandon, Coordinator, Workshop on Zero to One, Sponsoring Agency: IIITDM Jabalpur and Jabalpur Startup, Venue: IIITDM Jabalpur, March 15, 2017.

Patents

S.No.	Name	Patent No.	Title	Status	Year
1.	Dr K K Soundra Pandian	201721021389	SOMNAMVICE: "A Wearable Sleepwalking Notifier"	Filed	2017
2.	Dr K K Soundra Pandian	201721023126	A Wireless and Voice Control: Ex-ARM"Exoskeleton Arm For Rehabilitation and Dexterity Impairment: Ex-Arm	Filed	2017
3.	Dr K K Soundra Pandian	201721016562	A Goggle: An Auxiliary reading device for visually Impaired " VISTA Glass	Filed	2017
4.	Dr K K Soundra Pandian	201721022120	SATHI: "Speech Assistance and Technical Help for Incapacitate"	Filed	2017
5.	Dr Sachin Kumar Jain	Design Registration No 292889	Wrist pulse monitoring device [Design registration]	Granted	2017



CONVOCATION 2017

The 9th Convocation of PDPM IIITDM Jabalpur was held on August 16, 2017. The occasion was graced by Chief Guest Dr Sudhir Kumar Mishra, CEO & MD, Brahmos Aerospace, distinguished Scientist & Director General (BrahMos), DRDO and Dr Kota Harinarayana, Chairperson, Board of Governors of the Institute. Parents and guardians of the graduating Students and dignitaries from Jabalpur and all over India also attended the event.

A Total number of 325 degrees were awarded. Branch/Programme wise details are as follows:-

Bachelor of Technology (B.Tech)

Sr.No	Discipline	Total
1.	Computer Science & Engineering	78
2.	Electronics & Communication Engineering	52
3.	Mechanical Engineering	85
Total		215

Master of Technology (M.Tech)

Sr.No	Discipline	Total
1.	Computer Science & Engineering	12
2.	Electronics & Communication Engineering	20
3.	Mechanical Engineering	20
4.	Mechatronics Engineering	15
5.	Master of Design	25
Total		92

Doctor of Philosophy (Ph.D)

Sr.No	Discipline	Total
1.	Computer Science & Engineering	5
2.	Electronics & Communication Engineering	10
3.	Mechanical Engineering	3
Total		18

Apart from this, following medals and prizes were also awarded for the outstanding performance of the students:



Medals / Prizes

Sr. No	Name of Medal / Prize	Name of recipient	Criterion
1.	Chairman's Gold Medal for the year 2017	SHUBHAM GUPTA	Best Academic Performance in the Graduating Class among All Discipline of the Undergraduate Programme.
2.	Director's Gold Medal	ADITI SHARMA	Best All round Performance in the Graduating Class among All Discipline of the Undergraduate Programme.
3.	D&M Proficiency Gold Medal	MAYUR MISHRA	The best cross disciplinary project in the Graduating class of undergraduate programme.
	Certificate of Merit	AVASHESH KUMAR SINGH MOHIT CHOUBE OVAIS MALIK SWASTIK BAGGA	Certificate of Merit for being of the group of which one of the Students is awarded D&M Proficiency Gold Medal.
4.	Academic Performance Proficiency Silver Medals	SHUBHAM GUPTA ADITI SHARMA PIYUSH PANDEY	Outstanding Academic Performance in All Discipline of the Undergraduate Programme of study.
5.	IIITDM Proficiency Prize (PG)	AKHIL AISHWARYA DWIVEDI	Best Thesis work in the Postgraduate Programme of study.
6.	IIITDM Proficiency Prize (PG)	SAURABH KUMAR PULIMAMIDI VENKATESH	Best Thesis work in the Postgraduate Programme of study.
7.	IIITDM Proficiency Prize (PG)	VARUN TIWARI	Best Thesis work in the Postgraduate Programme of study.
	IIITDM Proficiency Prize (UG)	SOMIL JAIN ADITI SHARMA SWAPNIL SHANDILYA	Best Project in the Graduating Class among the Under Programme of study.
8.	Director's Silver Medal	PARANTAP CHAKRABARTI	Outstanding Performance in Cultural Activities in the Graduating Class among all discipline of the Undergraduate and Postgraduate Programme of study.
9.	Director's Silver Medal	ANUJ GULATI	Outstanding Performance in Games and Sports in the Graduating Class among all discipline of the Undergraduate and Postgraduate Programme of study.



9TH CONVOCATION



DIGNITARIES DURING THE 9TH CONVOCATION



STUDENT BEING AWARDED DEGREE BY CHIEF GUEST DR
SUDHIR KUMAR MISHRA, CEO & MD, BRAHMOS
AEROSPACE



STUDENT BEING AWARDED DEGREE BY DIRECTOR
PROF PRAMOD KUMAR JAIN



ADDRESS BY THE CHIEF GUEST



PLACEMENTS

PDPM IIITDM JABALPUR PLACEMENT STATUS 2014-18						
SUMMARY		CSE	ECE	ME	TOTAL	PACKAGE (*)
REGISTERED STUDENTS		67	62	57	186	
1.	Coviam Technologies	2	4	0	6	5.75
2.	Envestnet Yodlee	3	0	0	3	8.7
3.	Oracle OFSS	8	1	1	10	5.19
4.	Capgemini	17	10	10	37	6
5.	Smartprix (No Selection)	0	0	0	0	10
6.	Vassar Labs	5	0	0	5	6
7.	Envestnet Yodlee (Off Campus)	1	0	0	1	5.7
8.	Vassar Labs	6	1	0	7	6
9.	Infosys	7	17	5	29	3.25
10.	Directi (No Selection)	0	0	0	0	25
11.	Brahmos Aerospace	0	1	1	2	13.1
12.	IBM-GBS	2	6	0	8	3.7
13.	IBM Commerce	5	0	0	5	11
14.	Adobe (Female Drive) (No Selection)	0	0	0	0	25
15.	Infologitech Systems Pvt. Ltd.	1	0	0	1	4.55
16.	Siemens Healthineers	1	0	0	1	6
17.	Coviam Technologies	2	0	0	2	6.75
18.	BORL Bina	0	0	1	1	7.5
19.	Byjus Through Co-Cubes (No Selection)	0	0	0	0	9
20.	Star Clinch (Off Campus)	0	1	0	1	0
21.	BNY Mellon Technology (No Selection)	0	0	0	0	15
22.	MHFC (No Selection)	0	0	0	0	6
23.	Droice Labs (No Selection)	0	0	0	0	22
24.	HackerEarth	1	0	0	1	7.41
25.	ORACLE RGBU	14	0	0	14	9
26.	ORACLE CGBU	11	2	0	13	9
27.	Canon ISDC, Bengaluru	1	0	0	1	6.5
28.	Live Health (Off Campus)	1	0	0	1	6.1
29.	Alfa-Tkg	0	0	1	1	4.5
30.	Grey Orange (No Selection)	0	0	0	0	14
31.	Synk Consulting Group	3	0	0	3	5
32.	Info Edge (No Selection)	0	0	0	0	9.5
33.	Tejas Networks (No Selection)	0	0	0	0	8
TOTAL NO OF MULTIPLE OFFERS (Dream and Day-1)		91	43	19	153	



PLACEMENT STATUS (MTECH & M.Des)

SUMMARY		CSE	ECE	ME+MT	M.Des	TOTAL	PACKAGE
REGISTERED ELIGIBLE STUDENTS		6	10	18	7	41	(*)
1.	Coviam Technologies (No Selection)	0	0	0	0	0	6.5
2.	Envestnet Yodlee (No Selection)	0	0	0	0	0	8.7
3.	Oracle Ofss (No Selection)	0	0	0	0	0	5.19
4.	Capgemini	1	0	1	0	2	6
5.	Infosys	3	1	3	0	7	3.5
6.	Adobe (Female Drive) (No Selection)	0	0	0	0	0	25
7.	IBM-GBS (No Selection)	0	0	0	0	0	4.1
8.	EATON	1	4	1	0	6	9
9.	Phenom People Pvt Ltd	0	0	0	1	1	10
10.	Hungerbox	0	0	0	1	1	13
11.	Consure Medical	0	0	0	1	1	0
12.	Tejas Networks (No Selection)	0	0	0	0	0	8
13.	BNY Mellon Technology (No Selection)	0	0	0	0	0	15
14.	Dolcera (No Selection)	0	0	0	0	0	5
TOTAL NO OF OFFERS		5	5	5	3	18	

*in lakhs.



SCHOLARSHIP, FREESHIP AND FINANCIAL ASSISTANCE

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

1. From April 2016 to July 2016 – for Financial year 2015-16
2. From Aug 2016 to July 2017 – for Financial year 2016-17

1. Expenses from April 2016 to July 2016 (in the Year 2016-17 for the Year 2015-16).

Sr. No.	B.TECH Batch	Total No of Students eligible to get MCM for F.Y 2015-16	Amount paid for 4 months @Rs.1000/- per month	Tuition Waiver not applicable as it has already paid during the year (2015-16)	Total Amount Paid
1.	2012	61	4000	0	244000
2.	2013	55	4000	0	220000
3.	2014	63	4000	0	252000
4.	2015	72	4000	0	288000
Total Rs.					1004000

2. Expenses incurred from Aug-2016 to March 2017 for (F.Y 2016-17.)

Sr. No.	B.TECH Batch	Total No of Students eligible to get MCM F.Y 2015-16.	Amount paid for 8 months @Rs.1000/- per month (A)	Tuition Wavier Rs.25,000/- Sem I&II (batch -2013 & 2014) Tuition Waiver Rs.40,000/- for Batch 2015 (only) Sem I&II Tuition Waiver Rs.44000/- for Batch 2016 (Sem-I&II) (B)		Total amount paid A+B
1.	2013	53	8000X53 = 424000	53X50000	2650000	3074000
2.	2014	63	8000X63= 504000	63X50000	3150000	3654000
3.	2015	70	8000X70= 560000	70X 80000	5600000	6160000
4.	2016	55	8000X55= 440000	55X88000	4840000	5280000
Total Rs.						18168000



Sr. No.	M.P (State) Online Portal Other Backward Classes & SC / ST SCHOLARSHIP YEAR 2016-17		
1.	No of Students	Total Rs.	Year
	05	1,42,100.00	2016-17

TOTAL AMOUNT PAID TOWARDS MCM SCHOLARSHIP INCLUDING TUITION WAIVER is Rs. 1004000 + Rs. 18168000/- (Rs. 19172000/-).

Ministry of Tribal Affairs, New Delhi (Payments of Students Scholarship Year 2016-17.

Sr.No.	Batch	No of Students	Amount (in Rs.)
1.	2013	05	4,44,752.00
2.	2014	04	
3.	2011	02	
		Total Rs.	4,44,752.00

District Welfare Department Sheikhpura, Bihar Year 2016-17.

Sr. No.	No of Students	Amount in Rs.
1.	01	15000.00
	Total Rs.	15,000.00



STUDENTS' FESTIVALS AND EVENTS

STUDENT ACTIVITIES

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 are functioning and being administered by students under the guidance of faculty counsellors 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 a 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 Governors of the Institute for 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 were organized by the cultural clubs of students' gymkhana.

1. Cultural evening on August 18, 2017 on the eve of post -independence.
2. Sankalp se Sidhi as directed by the MHRD (Coral Reef band performance).
3. Cultural Night in which all clubs performed on October 11, 2017.
4. Literari-da -fiesta organized by Samvaad the literature and Quizzing Society.
5. Team of Samvaad the literature and Quizzing Society went to IIM Indore and won the runners-up in Quiz.
6. Team of Aavratn -The Dance Club got the 3rd position in the dance competition at IIM Indore.
7. Team of Jazbaat The Dramatics Society went to Chitkara University, Chandigarh in National Theatre festival.



SPORTS CLUBS

Sports Event 'Enthuse' was organized by sports clubs during October 28-29, 2017.

SCIENCE AND TECHNOLOGY CLUBS

Automotive and Fabrication Club went for an industrial visit to Ordnance Factory, Jabalpur on 6th and 7th October, 2017. They had a chance to view the different manufacturing processes used in making various modern-day weapons.

CAD Club had also gone to an an industrial visit to the Ordnance Factory, Jabalpur on 6th and 7th October, 2017. They were able to understand different mechanisms involved in making and implementing the modern-day weapons.

Shutterbox the photography club: A field trip to Dumna Nature Park was conducted on 2nd September, 2017 to give a hands on experience with camera to every member. Concepts such as portrait, macro and landscape photography were taught in the trip. An intra club photography contest was arranged for students of first year to showcase their skills on 24th August, 2017.

Robotics Club: Robo-Soccer was organized on 8th October, 2017 behind L -103. The event witnessed a great enthusiasm from the first year students with over 40 teams participating in the event and each team having around 4-5 members. Hence the event turned out to be a great success, seeing a huge participation of around 180 first year students.

Programming and Webix Club: CodeRing is a series of programming contests organized on 21st August, 2017. This event was open for all and hosted on HackerEarth. It consisted of 5 easy - medium problems which has to be solved in 3hrs. Cryptocracker is a 3-Monthly contest held on 30th September, 2017 and hosted on our Institute's Intra-Net Contest Portal. It includes Logical & Programming Aptitude Questions which brushes up the Problem Solving Skills of the Students. Overall, 60 Teams of 2 Students each participated and were present On site in the Lower CC at the time of competition.

Business and Management Club: An open discussion on importance of management on business was conducted 26th September, 2017. The event gave rise to new ideas and also cleared various misconceptions related to business and entrepreneurship. Further, real examples and cases like Google were taken and their management policies were put in perspective. This gave the members a greater insight into the business world and the participation in discussion gave them a sense of confidence. Brand Presentation was conducted on 3rd October, 2017 where members were asked to pick a brand from the business world and present it in the form of a power point presentation.



INTER IIIT SPORTS MEET 2018:

A group of 60 students had participated in Inter IIIT Sports Meet 2018 held at ABV IIITM Gwalior from 08-03-2018 to 11-03-2018. The details of events in which students participated are:

- (i) Cricket
- (ii) Athletics
- (iii) Football
- (iv) Volleyball
- (v) Basketball
- (vi) Badminton
- (vii) Table Tennis
- (viii) Lawn Tennis

GUSTO-2018:

Gusto 2018 was held between 26th and 28th of January, 2018. Every year Gusto celebrates the sporting spirit of engineering alongwith other colleges in and around Jabalpur in terms of competitive and sporting excellence. The atmosphere is electric. Gusto 2018 saw heavy participation by Engineering institutes from Allahabad, Jabalpur, Guna, Gwalior and a few other places. The events were a visual treat for even the non-participants as they witnessed highest level of competitive sporting action.

All the sports clubs organized events throughout the duration of the fest. One could sense the adrenaline in the air. **Cricket, Football, Basketball, Badminton, Chess, Carom, Volleyball, Table tennis, Lawn Tennis and Table Tennis** saw immense participation.

The opening ceremony of Gusto was held on 25th January, 2018 from 5:30 PM onwards. Shri D.M. Gupta, Member, BOG graced the occasion with his presence during the opening ceremony as the Chief Guest. Dean (Students) - Dr. Prashant Kumar Jain added an extra zeal to the ceremony with his presence. The Sports Counselor, Dr. Nihar Kumar Mahato & Dr. Dip Prakash Samajdar and Superintendent of DSA office, Mr. Ashok Kumar marked their presence and motivated the participants with their speech towards a true sportsman spirit.

The Aavartan – Dance Club of IIITDMJ made the event memorable and unforgettable with their dance performance. The Aavartan Night witnessed a grand success.

The EDM Night followed by the closing ceremony added an extra flavor to the event. It led the students of IIITDMJ to live a sporting fest like never before.



GLIMPSES OF GUSTO 2018



ABHIKALPAN-2018

The 9th edition of Abhikalpan-2018 was successfully organized from 9th March 2018 to 11th March 2018. The Inaugural Night of Abhikalpan was organized on 8th March 2018 and it was embraced by the dignified presence of Chief Guest Shri D M Gupta, Member, BOG, IIITDMJ.

Abhikalpan- 2018 in it's true sense justified the title of Central INDIA's biggest technical fest. It aimed to bring out the talent of today's youth in the distinct domains of technology ranging from Photography to Electronics and Automobiles to Astronomy. Abhikalpan-2018 hosted a number of Guest Talks, Workshops, Events, Competitions, and Exhibitions which served their purpose from enlightenment to entertainment, completely. The technical clubs of Gymkhana came up with plethora of events and competitions like RoboWar, film making, LED Matrix and to add to that were the exuberating informal events which kept the participants and viewers busy during the whole fest.



LIGHTING OF LAMP BY CHIEF GUEST SHRI D M GUPTA



Major attraction of Abhikalpan 2018 were the exhibitions by Ordnance Factory, Khamaria, Vehicle Factory Jabalpur, Gun Carriage Factory, Jabalpur which featured jaw dropping arms, ammunitions, special military vehicles, long range howitzer. The Institute also hosted a national level Hackathon by IBM and a workshop on Artificial Intelligence, Quadcopter, ANSYS, 3D Printing was also organized.



DHANUSH- 155 MM TOWED HOWITZER GUN CARRIAGE FACTORY EXHIBITION

Other events held during Abhikalpan 2018 were:

- Hovercraft
- Line following robot
- robosoccer
- IIITDMJ Racing Exhibition
- CAD Sutra
- Circuit Simulation
- Jagrati Exhibition
- Design Exhibition
- Shutterbox Exhibition
- Guest Talks
- EDM Night



OTHER ACTIVITIES

List of SPIC MACAY (Society for the Promotion of Indian Classical Music And Culture Amongst Youth) events organised by Indian Heritage and Philosophy Club from **April 1, 2017 to March 31, 2018:**

1. Sufi Night- Kabir Panthi (Sep 11, 2017):

Event coordinated by : Mr. Ishan Banerjee (B.Tech 2015), Mr. Shashank Adhikari (B.Des 2015)

Padma Shri Swami Dr. GCD Bharti, the lead vocalist of 'Bharti Bandhu'-an Indian music troupe, known for its Sufi Music and Kabir Bhajans. He has received training in Ghazal, Thumri & Dadra under Ustad Ashiq Ali Khan and Ustad Haji Idd Ali Shah Chisti. Bharti Ji was honoured by the Government of India in 2013 with the fourth highest civilian award of Padma Shri.

The institute got scintillating and ecstatic essence of Kabir's love for life through the music of this troupe.



GLIMPSES OF SUFI NIGHT – KABIR PANTHI EVENT



2. Sarod Vadan Evening (March 10, 2018):

Event Coordinated by: Mr. Animesh Sharma (B.Tech 2015), Ms. Sandhyarani Mishra (B.Tech 2015).

Bruce Hamm, disciple of the revered maestro Ustad Ali Akbar Khan, is an international artist known for sarod vadan. In 1981 he took residency as an instructor at the Ali Akbar College of Music in San Rafael, California. Mr. Bruce has had the opportunity on multiple occasions to accompany his Guru "Ali Akbar Khan" on stage. He has performed numerous solo concerts throughout the US and India. He has also had the privilege to perform with many of India's leading artist, including Swapan Chaudhuri, Zakir Hussain and Anindo Chatterjee. Mr. Bruce continues his mentor's legacy today by teaching anyone who is willing to dedicate them to the art of music and mesmerizing crowds worldwide.

We were honoured to be graced by his mesmerizing music.



GLIMPSES OF SAROD VANDAN EVENING



हिन्दी पखवाड़ा २०१७

प्रत्येक वर्ष की भांति इस वर्ष भी संस्थान में हिंदी पखवाड़ा २०१७ मनाया गया जो कि १४ सितम्बर २०१७ से प्रारंभ हुआ तथा २८ सितम्बर २०१७ को समाप्त हुआ। राष्ट्र प्रत्येक वर्ष १४ सितम्बर को हिंदी दिवस के रूप में मनाता है, क्योंकि इस दिन संविधान द्वारा वर्ष १९४९ में हिंदी को राजभाषा के रूप में अपनाया गया। पखवाड़े के दौरान करमचारियों एवं विद्यार्थियों हेतु विभिन्न प्रतियोगिताओं का आयोजन किया गया। लोगों ने उत्साह पूर्वक इन प्रतियोगिताओं में हिस्सा लिया। समापन समारोह २८ सितम्बर २०१७ को मनाया गया जिसमें संस्थान निदेशक, अधिष्ठातागण एवं कुलसचिव संस्थान के अन्य सदस्य उपस्थित थे। विभिन्न प्रतियोगिताओं के विजेताओं को पुरस्कार प्रदान किये गये।

Hindi Pakhwada – 2017

Hindi Pakhwada- 2017 was celebrated from September 14-28, 2017. The day of September 14 is observed as Hindi Diwas in the nation because on that date the language Hindi was adopted as an 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, 2017. Director of the Institute, Deans, Registrar and other members of the Institute were present in the closing ceremony. Winners of various competitions were awarded with the prizes.



IIITDMJ AND JAPAN COLLABORATION

JENESYS 2017

A group of 11 students and one faculty member visited Japan for duration of 7 days starting from October 23 - 31, 2017 under JENESYS program. During the visit, students had visited different places and were apprised of the various aspects of the country as follows:

- Lecture on Japanese Culture/Key Note Lecture
- Observation of Science and Technology related facility
- Visit to Shimane Prefecture
- Courtesy visit to Local Government
- Visit to Shimane University
- Meeting with Host family – Ichikawa city
- Cultural exchanges and visit to historical landmarks
- Attending workshop

Students were apprised of various Japanese innovations through which they came to know about Japanese workstyle and knew reasons for their constant motivation and dedication towards their work.

The students were acquainted with the Japanese culture, its tradition, history etc. followed by a visit to Shimane Prefecture where modern equipments and other facilities were shown. A courtesy visit to Local Government was made. The group met and stayed with the host family in Ichikawa city which was a unique experience of its kind to get a feel of the Japanese Society and its people. Later the group visited the Shimane University and interacted with the students and participated in the workshops to get a glimpse of the Japanese educational system.

The trip to Japan was a great experience indeed. Students got to know the various technologies and culture of Japan. Students also got a profound knowledge about various places and industries of Japan.



LIBRARY

Introduction

At present the Institute library is running in CORE LAB Complex building, which is located almost in centre of all academic activities. The total carpet area of library is approximately 234 square meters and provides all basic facilities to approximately 1500 users including students, faculties and staff. This is 100% user-friendly library and always makes policy in view of users benefit and their demands. The library is of hybrid nature and provides various services in mixed mode. The print and electronic materials both are open to all library users. Library is well equipped with all modern facilities and rich collections in all disciplines. The collections are available in the form of CD, DVD, on-line databases, e-journals and print materials related to engineering, technology, applied sciences, management, humanities and other new emerging areas. Actual strength of the library is involvement of academic community and the library is committed to enhance various types of resources and services based upon their needs and suggestions.

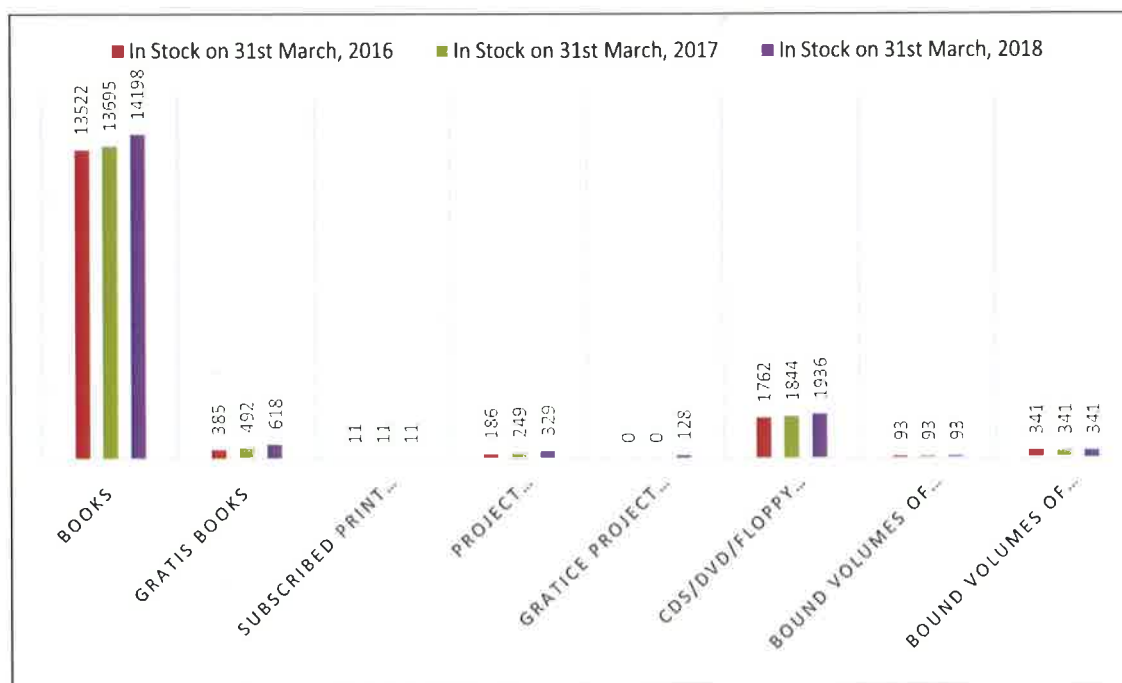


Statistical Representation of Library Collection

Collection development is one of the important functions of the library and plays a vital role in supporting academic curriculum and research activities of faculties, research scholars, students and staffs. Day by day institute library is growing in all types of collections. The total collection of library as on 1st April 2017 to 31st March 2018 as follows:



Section - A					
Medium	Collection	In Stock On 31 st March 2015	In Stock On 31 st March 2016	In Stock On 31 st March 2017	In Stock On 31 st March 2018
Documentary Sources (Print)	Books	11891	13522	13695	14198
	Gratis Books	275	385	492	618
	Subscribed Print Journal	8	11	11	11
	Project Reports/Theses	128	186	249	329
	Gratis Project Reports/Theses	0	0	0	128
Non Documentary Sources (Non-Print)	CDs/DVD/Floppy (Received with Project Reports, Books & Magazines)	1585 (Book CD 1260, Floppy 1, Project Report 110, Magazine 214)	1762 (Book CD 1351, Floppy 1, Project Report 165, Magazine 245)	1844 (Book CD 1351, Floppy 1, Project Report 227, Magazine 265)	1936 (Book CD 1372, Floppy 1, Project Report 298, Magazine 265)
Archives (old)	Bound Volumes of Journals	91	93	93	93
	Bound Volumes of Magazines	143	341	341	341





Section - B					
Medium	Collection	In Stock On 31st March 2015	Procured In 2015-16	Procured In 2016-17	Procured In 2017-18
Print Materials	Subscribed News Papers	16 (E-6, H-10)	20 (E-8, H-12)	19 (E-7, H-12)	19 (E-7, H-12)
	Subscribed Magazines	43	50	27	17
Non-Print Materials	Subscribed Online E-Resource (E- Journal)	64	33	2	7487*

**Institute library has 11 nos. subject collection/databases (total 7487 nos. journals are available under subject collection/databases and individual journals).*

Details of Reference Collection

Sr. No.	Reference Source	In Stock On 31st March 2015	In Stock On 31st March 2016	In Stock On 31st March 2017	In Stock On 31st March 2018
1.	Encyclopaedia	122	122	132	132
2.	Directories	4	4	4	4
3.	Handbook	169	173	173	176
4.	Dictionaries	43	43	43	47
5.	Conference Proceedings	13	13	17	17
6.	Annual Report	18	19	43	58
7.	Year Book	4	4	4	4
8.	Atlas	2	2	2	3
9.	Manual	3	3	3	3
10.	World Records	2	2	2	2
11.	Bibliography	0	0	15	15



Capacity of Institute Library:

The Institute library provides service to approximately 1500 users with approximately 100 seating capacity. All the contents/volumes are online and 4 computers are available in the library for the users.

<i>Usages of Collection</i>		
<i>Sr. No.</i>	<i>Name of Particular</i>	<i>Average Usage Statistics</i>
1.	Internal library user visit in library	100 - 150 users per day
2.	External library user visit in library	04 - 05 users per month
3.	Circulation of books (Issue, Reissue and Return)	100 - 150 transactions per day
4.	Usages of Journals/Magazines	80 - 100 Nos. per day
5.	Usages of Reference Material	40 - 60 Nos. per day
6.	Usages of E-resource (Article Download)	11,600 Articles per month (Approx.)
7.	No. of Reprographic Service	01 - 02 per month
8.	No. of Reference Queries	15 - 20 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 queries 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>Loan Criteria for Library Users</i>			
<i>Sr. No.</i>	<i>Member Category of the Institute Library</i>	<i>No. of books issue at a time</i>	<i>Loan duration</i>
1.	Faculty Member	20	180 days
2.	Technical Officer	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:

1. **Online Access of E-Resources:** The new consortia e-Shodh Sindhu (e-SS) has been developed by MHRD and supported by INFLIBNET Centre, Gandhinagar, Gujarat. The consortia provides various E-Resources to the Institute like ACM Digital Library, ASME Journals Online, Emerald CFTI Collection (298 titles), JSTOR, JGate Plus (JCCC), etc. *Apart from this Institute subscribed to Science Direct option-1 and energy package, which contains approximate 669 nos. at own end.*



Sr. No.	Name of Resources/ Journal	Mode of Resources/Journal (Database/Print Journal/e-Journal/e-Journal package)
1.	<u>ACM Digital Library</u>	Online
2.	ASME Journals Online	Online
3.	Economic & Political Weekly	Online
4.	Emerald CFTI Collection (298 titles)	Online
5.	IEEE/IET Electronic Library (IEL) Online	Online
6.	Institute for Studies in Industrial Development (ISID) Database	Online
7.	JGate Plus (JCCC)	Online
8.	JSTOR	Online
9.	Nature	Online
10.	Oxford University Press	Online
11.	Springer Link	Online
12.	Web of Science Lease Access	Online



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>Sr. 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>Sr. No.</i>	<i>Name of Resources/ Journal</i>	<i>Mode of Resources/Journal</i>	<i>Name of Publisher</i>
1.	Science Direct Option I	Online	Elsevier
2.	Energy	Online	Elsevier
3.	Physical Review B	Online	APS

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

<i>Library Timing</i>		
Opening and Closing		Issue/re-issue/return timing
Monday to Friday (Including Institute Holiday)	08:00 am to 11:00 pm	09:00 AM to 05:30 PM (Monday to Saturday)
Saturday and Sunday (Including Institute Holiday)	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 of 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 continues 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:** Library from time to time alerts its users regarding latest information through e-mail and same has been displayed on notice board. The mentioned alerts provided to all library users are as follows:
 - a. New Arrival Books.
 - b. New Subscribe E-Resources.
 - c. News Arrival 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.
- **Electronic Theses & Project Report:** Institute Library has preserved the theses and project report submitted by the postgraduate and doctoral student in electronic as well as print format. Submitted theses and project reports have been uploaded on local server (Intraweb). 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.



<i>Details of Expenditure</i>				
Sr. No.	Items	Expenditure 2015-16	Expenditure 2016-17	Expenditure 2017-18
1.	Newspapers	Rs. 17,749.50 (Approx.)	Rs. 24,530.00 (Approx.)	Rs. 24,488.00 (Approx.)
2.	Books	Rs. 14,59,873.00 (Approx.)	Rs. 2,39,446.00 (Approx.)	Rs. 2,95,860.00 (Approx.)
3.	Journals and Magazines	Rs. 1,64,52,775.83 (Approx.)	Rs. 0.00	Rs. 87,79,511.00 (Approx.)
Total		Rs. 1,79,30,398.33 (Approx.)	Rs. 2,63,976.00 (Approx.)	Rs. 90,99,859.00 (Approx.)

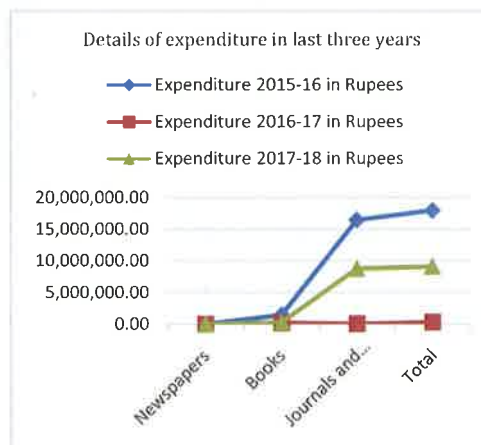
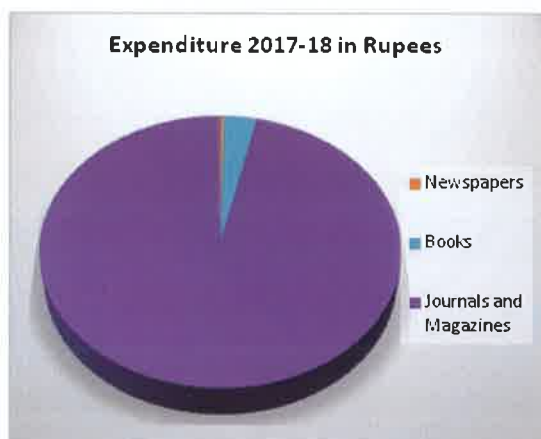


Photo Gallery





WORKSHOPS AND CONFERENCES

1. GIAN Course on Data Mining Algorithms for Graph, Text, and Streaming Data held during December 19-27, 2017.

Course Coordinators: Dr Pritee Khanna and Dr Sraban Kumar Mohanty

A GIAN Course on Data Mining Algorithms for Graph, Text, and Streaming Data was held during December 19-27, 2017. The course provided insights into data analysis challenges for complex data types of graphs, texts, and data streams. Recent developments in the applications for these data types and research results were also discussed.

The proposed course provided some deep insights into the nature of analysis problems faced by these complex types of datasets. Prof Raj K Bhatnagar from Department of Electrical Engineering and Computing Systems, University of Cincinnati, Cincinnati, USA was the resource person.



LECTURE BY PROF RAJ K BHATNAGAR

2. Faculty Development Programme (FDP) on Fundamentals of Databases held during June 23- July 3, 2017.

Course Coordinator: Dr. Pritee Khanna

A Faculty Development Programme (FDP) on Fundamentals of Databases was held during June 23 - July 3, 2017. Database Management Systems is a core course in Computer Science. In 80 hours, during ten days, this FDP covered principles for managing the data, data models, database design, query processing, transaction management and concurrency control, overview of security and database administration.

Though DBMS course is widely offered through various modes, this FDP through NKN set the objectives to train the faculty to teach the course with deeper understanding of all the concepts with gained practical exposure. Rich experience of the speakers at premier institutes made the participants to feel the difference.



VALEDICTORY FUNCTION



3. Faculty Development Programme (FDP) on Fundamentals of Computer Networks and Security under Electronics and ICT Academy held during May 24 - June 2, 2017

Course Coordinators: Dr Vinod Kumar Jain and Dr Ruchir Gupta

A Faculty Development Programme (FDP) on Fundamentals of Computer Networks and Security under Electronics and ICT Academy was held during May 24 - June 2, 2017. Computer Network and Security is a core course in Computer Science & Engineering and Electronics & Communication Engineering. In 80 hours, during ten days, this FDP covered Introduction to Data Communication, protocols, principles of network application, design aspect of DNS, Email, TCP/IP, Design of TCP/UDP, IP address design, different routing algorithm, ICMP, IGMP, ARP, RARP, security issues at different layers of protocols. In addition, soft skills, pedagogical principles and case study presentations by participants were also part of this programme.

Though Computer Network and Security course is widely offered through various modes, this FDP through NKN set the objectives to train the faculty to teach the course with deeper understanding of all the concepts with gained practical exposure.



VALEDICTORY FUNCTION

4. Faculty Development Programme (FDP) on Introduction to Data Structures and Programming in 'C' held during July 1-10, 2017

Course Coordinators: Prof Aparajita Ojha and Dr Sraban Kumar Mohanty

A Faculty Development Programme (FDP) on Introduction to Data Structures and Programming in 'C' was held during July 1-10, 2017. This course provided a fast-paced introduction to Data Structures and programming in C language. The objective of the course was to train participants design, write, and analyze the performance of C programs that handle structured data and perform more complex tasks, typical of larger software projects including use of templates for modularity and reusability of codes. Though Data Structure course is widely offered through various modes, this FDP through NKN was organized with the objective of developing skills and pedagogy with a deeper understanding and practical exposure to concepts in data structures and C programming language.



5. Short term course on Pattern Recognition and Its Applications (PRIA) held during October 12-16, 2017 at IIITDMJ.

Course Coordinators: Dr Atul Gupta and Dr Ayan Seal

A short term course (STC) on 'Pattern Recognition and Its Applications' (PRIA2017) (<http://pria.iiitdmj.ac.in/>), sponsored by AICTE, Government of India was organized at PDPM IIITDM Jabalpur (IIITDMJ) during October 12-16, 2017 with the aim to improve the teaching and research quality of the faculty members of various government, reputed private engineering, scientific/technical institutes and universities of India. The panel of experts for the short course included Prof C A Murthy from ISI Kolkata, Prof P K Biswas and Prof D Sheet, both from IIT



SESSION DURING THE COURSE

Kharagpur. The participants of the STC learned how to recognize and model elements from the real life applications to leverage pattern recognition for decision making in research activities. Moreover, detailed discussions on most promising techniques for tackling pattern recognition tasks such as statistical pattern recognition, SVM, Ensemble and deep learning enabled participants to solve such problems effectively and efficiently using various open source tools.

PRIA2017 received a great response from different parts of the country. In all, Thirty-four faculty members and few research scholars, of different engineering disciplines and mathematical background from various parts of India, e.g., Maharashtra, Odisha, Rajasthan, Delhi, Uttarakhand, West Bengal, Chhattisgarh, Madhya Pradesh including the faculties of JEC, Jabalpur were selected for this quality improvement programme (QIP).

6. The annual Design Workshop 2017 (DeW 2017) was organized at IIITDM Jabalpur in collaboration with Ministry of Foreign Affairs, Japan during 09-11 Dec, 2017. The central idea of the workshop was Industrial Internet and Industry 4.0, which is truly interdisciplinary in alignment with the core theme of IIITDM Jabalpur. The workshop was attended by Japanese delegates, eminent speakers and participants from premier Institutions and organizations in India.



DESIGN WORKSHOP- 2017



Apart from the above, various other Events were also held a list of which is given below:

Details of Faculty Development Programmes Conducted during April 1, 2017 to March 31, 2018					
Sr No.	Course Name	Coordinator Name	Start Date	End Date	Venue
1.	Finite Element Method and Applications	Prof Vijay Kumar Gupta & Prof Aparajita Ojha (IIITDMJ)	5.11.2017	5.16.2017	EL & ICT Academy, PDPM IIITDM Jabalpur
2.	Digital VLSI Circuit Design	Dr Dheeraj Sharma	6.3.2017	6.12.2017	EL & ICT Academy, PDPM IIITDM Jabalpur
3.	Natural Language Processing	Dr Atul Gupta (IIITDMJ), Prof Rakhi Wajgi (YCCE, Nagpur) & Prof Gauri Dhopavkar (YCCE, Nagpur)	7.11.2017	7.16.2017	Yeshwantrao Chavan College of Engineering, Nagpur
4.	Machine Learning Basics and Emerging Trends	Dr Maya Ingle (DAVV, Indore) & Prof Aparajita Ojha (IIITDMJ)	01.09.2017	6.09.2017	School of CS&IT, Devi Ahilya Vishwa Vidyalaya (DAVV), Indore
5.	Interdisciplinary Research in Biomedical Engineering	Dr Rashmi Uddanwadikar (VNIT) & Dr Prashant Kumar Jain (IIITDMJ)	09.10.2017	13.10.2017	VNIT Nagpur
6.	Finite Elements Practice and Application	Prof Aparajita Ojha & Prof V K Gupta (IIITDMJ)	31.10.2017	4.11.2017	EL & ICT Academy, PDPM IIITDM Jabalpur
7.	Designing for Internet of Things	Prof P N Kondekar (IIITDMJ) & Dr Nabegha Masood (MES college of Engineering, Pune)	22.11.2017	1.12.2017	MES College of Engineering, Pune
8.	Recent Trends in VLSI Technology	Prof M N Kapse & Dr S S Limaye (St. Vincent Palloti College of Engineering & Technology, Nagpur) & Prof P N Kondekar (IIITDMJ)	04.12.2017	8.12.2017	St. Vincent Palloti College of Engineering & Technology, Nagpur
9.	Mechanical Manufacturing & Monitoring using MATLAB	Dr TVK Gupta (VNIT, Nagpur) & Prof Puneet Tandon (IIITDMJ)	11.12.2017	16.12.2017	VNIT Nagpur, SouthAmbazari Road, Nagpur
10.	MATLAB and its application in Computational Intelligence	Dr A Somkuwar, Dr J S Yadav & Dr Lalita Gupta (MANIT, Bhopal) & Dr Prashant K Jain & Dr Pavan Kankar (IIITDMJ)	14.12.2017	19.12.2017	Maulana Azad National Institute of Technology Bhopal



Details of Faculty Development Programmes Conducted during April 1, 2017 to March 31, 2018					
Sr. No.	Course Name	Coordinator Name	Start Date	End Date	Venue
11.	Advances in Power Electronics Devices Converters and Digital Controllers	Dr R K Nema (MANIT, Bhopal) & Prof P N Kondekar (IIITDMJ)	18.12.2017	22.12.2017	Maulana Azad National Institute of Technology Bhopal
12.	Finite Element Practice using ANSYS	Prof Aparajita Ojha & Prof V K Gupta (IIITDMJ)	22.01.2018	26.01.2018	EL & ICT Academy, PDPM IIITDM Jabalpur
13.	Soft Computing and Machine Learning	Dr S K Saritha and Dr Shweta Jain (MANIT, Bhopal) and Dr Atul Gupta (IIITDMJ)	05.02.2018	9.02.2018	Maulana Azad National Institute of Technology Bhopal
14.	Data Science (Unfold the layers of Knowledge)	Dr Shilpa Bhalerao & Dr Sanjay Bansal (Acropolis Institute of Technology and Research, Indore) and Prof Aparajita Ojha (IIITDMJ)	05.02.2018	9.02.2018	Acropolis Institute of Technology and Research, Indore
15.	Optimization Techniques Theory and Practical	Dr Chitaranjan Sharma (Govt. Holkar (Model, Auto.) Science College, Indore) & Prof Aparajita Ojha (IIITDMJ)	12.02.2018	17.02.2018	Govt. Holkar (Model, Auto.) Science College, Indore (M.P)
16.	Research Methodology	Dr Shweta Agrawal & Prof Lalji Prasad (Sagar Institute of Research and Technology, Indore)	22.02.2018	26.02.2018	Sagar Institute of Research and Technology, Indore
17.	High Frequency and Low Frequency Electromagnetic Analysis using HFSS	Dr Biswajeet Mukherjee(IIITDMJ), Dr Ravi Panwar (IIITDMJ) and Dr Trivesh Kumar (IIITDMJ)	19.03.2018	23.03.2018	EL & ICT Academy, PDPM IIITDM Jabalpur
18.	Machine Learning and Applications	Dr Pramod Kumar Singh (ABV IITM, Gwalior) and Prof Aparajita Ojha (IIITDMJ)	26.03.2018	30.03.2018	ABV IITM Gwalior
19.	Software Quality Methods and Tools	Dr Rashmi Yadav and Dr Sumit S Jain (Acropolis Technical Campus, Indore) & Dr Atul Gupta (IIITDMJ)	27.03.2018	31.03.2018	Acropolis Technical Campus, Indore



INFRASTRUCTURE DEVELOPMENT

The Institute is located at the outskirts of Jabalpur city, near Dumna Airport. The Campus is in developing stage, in a land of 250 acres in a beautiful hilly terrain. Being adjacent to Dumna Nature Reserve the Campus is full of flora and fauna. Each corner of the Campus has a good connectivity with the other, through roads and pathways network. The Campus has round the clock power supply with sufficient backup through DG Sets. Several number of buildings are now functional. The Core Lab Complex, Lecture Hall & Tutorial Complex, Workshop Annexe and other Lab spaces are meant for academic activities. Three numbers of hostels (Hall of Residence – I, Hall of Residence – III and Hall of Residence – IV) with total capacity of 1400 are available for students. The faculties have in house residential facilities in Narmada Residency – II and Type – V Quarters.

The students have ample facilities for performing extra-curricular activities like games-sports, dance-drama, music etc. A big size play field (with 400 mtr. Track, cricket and football grounds), Basket Ball Court (Indoor), Lawn Tennis & Volley Ball Court, Indoor Badminton Court, Club rooms / Gymnasium in hostels etc. are the major areas available for performing the extra curricular activities.

The centrally located Primary Health Centre provides 24 hrs. health support for students, faculties and staff members.

The campus is divided into three major parts viz. Academic Zone, Hostel Zone and Residential Zone. All the buildings in the Academic Zone are connected with ring roads. The following major academic buildings are located along the ring roads.

Academic Zone:

1. **Core Lab Complex:** It is the oldest building of the Campus. It is a two storied building having facilities to accommodate the core labs. The Directorate, Registrar Secretariat, Central Library, Computer Centre, Account Section, Workshop, Physics Lab, a few Research Labs and some faculty chambers etc. are presently located this building. The office of the Dean (P&D) and the Office of the Dean, (RSPC) are also accommodated in this building.



Core Lab Complex



2. **Lecture Hall and Tutorial Complex(LHTC):** LHTC is the Main Institute building of the campus, located on the ring road in the Academic area. All the class room activities are being performed in LHTC. In addition, some Research Laboratories, Design Studio for Design discipline and some faculty chambers are located in this building. The office of the Dean (Academic affairs) and the Office of the Dean (Student affairs) are also being operated through this building. The lecture hall of 600 Capacity, in the building, is being used as an auditorium. There is a virtual classroom located in the building having 120 capacities. The design studio has a design display arena meant for exhibiting the design work done by the students. This is also used for performing the yoga activities.



Lecture Hall and Tutorial Complex

3. **Primary Health Centre (PHC):** The PHC building is centrally located at the Campus. It is well connected with concrete roads with the entire academic, hostel and residential buildings at the Campus. The Dispensary facility is made available round the clock to students, faculties and staff members. Specialised doctors of different fields are available at PHC at scheduled timings. The Ambulance facility is available round the clock in the PHC.



Primary Health Centre



4. **Library and Computer Centre:** The building is at completion stage and is likely to be functional very soon. It is located adjacent to the LHTC building. It has good connectivity from all corners of the campus.



Library cum Computer Science Building

5. **Administrative Block:** The Administrative Block of the Institute is located near main entrance of the campus. The building is expected to be functional very soon.



Administrative Block

6. **Visitors' Hostel:** It is the guest house building, located near the junction point of the Academic Zone and the Residential Zone. The building is fully functional. Owing to its ideal location and scenic beauty at surroundings the building provides full relaxation to visitors during their stay in the building.



Visitors' Hostel

Hostel Zone:

1. **Hall of Residence I:** It is a single seated hostel building. Presently, the girls' students are being accommodated in three blocks of this building. The girls' wing is fully isolated with the other parts of building with suitable partitions. The building has recreational facilities like Reading Room, TV viewing room and Canteen, etc. inside it. 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, Canteen etc. are available inside the building. An indoor Badminton Court has been developed inside the building



with removable partitions. Beautiful lawns are available inside and outside of building, for students to enjoy the nature during leisure time.



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 other parts of the campus. It has facilities like canteen, TV viewing room, Reading Room, Dance and Drama room etc. inside it. Beautiful lawns are available inside and outside of building, for students to enjoy the nature during leisure time.



Hall of Residence IV

4. **Mess and Dining Hall:** The Mess & Dining building is centrally located in the hostel area. It has easy approach from all the three hostels. The building is connected with roads and pathways with all the Hostels.



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 2 number type V quarters (duplex style) with 3 BHK.
6. **Security Barrack:** The building is located at the extreme end of the campus, towards Mehagavan Village. Presently, the activities of Electronics and ICT Academy are proposed in this building.



Security Barrack

7. **Hall of Residence VII:** It is a PG hostel building having two parts.
 - a. **Married Accommodation (Phase I):** The building has 98 numbers of one bed room flats for married PG students. The building is expected to be functional very soon.



PG Hostel Phase I and Phase II

- b. **Bachelor Accommodation (Phase II):** The hostel blocks of the building are almost completed. The building has provision of single seated rooms to accommodate the bachelor PG students. There is a facility block, well connected with the hostel unit. The building is expected to be functional very soon.
- 8. **Hall of Residence VIII (Girls Hostel):** The building is located besides the PG hostel. It has a capacity to accommodate 250 girls students. There is a warden's residence inside the building. The structural part of the building is almost completed and finishing work is under progress.



Hall of Residence VIII (Girls Hostel)

- 9. **Students Activity Centre:** The Basket Ball Court (Indoor), a part of the Student Activity Centre, has been completed and has become functional. The structural part of the remaining buildings, including that of amphitheatre is under progress along with finishing work.



Student Activity Centre

Residential Zone:

1. **Narmada Residency II:** It is a Residential Tower having 2 BHK flats. The building is being used presently, as residential accommodation for faculty and staff members. The building is connected with cement roads with the other parts of the campus.



Narmada Residency II

2. **Rewa Residency II:** It is also a Residential building. It has 2 BHK flats for staff members. The building is almost at completion stage. It is expected to be functional very soon. The building is well connected with cement concrete roads with the other parts of the campus.



Rewa Residency II

3. **Narmada Residency III:** It is also a Residential Tower having 3 BHK flats for faculty members. The building is at completion stage, except a few civil works and services part remained to be completed. The cement concrete roads are available to connect the building with other parts at the campus.



Narmada residency-III

Tree Plantation Works: The Tree Plantation works near and around all the buildings and along the Roads and Pathways have been done throughout the year. The plantation work is being done under the valuable consultancy services received from the Tropical Forest Research Institute (TFRI), Jabalpur.



CLEAN AND GREEN CAMPUS





MAJOR EQUIPMENTS PROCURED

3D Scanner



Product: GOM ATOS CORE 200

Thermal Camera



Product: Fluke-TiX560 9Hz



ANNUAL ACCOUNTS (FOR THE FY 2017-18)

FUND AVAILABLE AND EXPENDITURE INCURRED DURING FY 2017-18

(i) GRANT IN –AID RECEIVED DURING FY 2017-18

PARTICULARS	GIA (Rs. In Lakhs)
SALARY	1750.00
GENERAL EXPENDITURE	1211.45
CAPITAL EXPENDITURE	NIL
TOTAL	2961.45

(ii) EXPENDITURE FOR FY 2017-18

PARTICULARS	GIA (Rs. In Lakhs)
SALARY	1798.95
GENERAL EXPENDITURE	1801.24
CAPITAL EXPENDITURE	207.26
TOTAL	3807.45

(A) SALARY EXPENDITURE FOR 2017-18

PARTICULARS	SALARY EXPENSES (Rs. In Lakhs)
ACADEMIC	1009.73
NON –ACADEMIC	317.14
OTHER COMPONENT OF SALARY	472.08
TOTAL	1798.95



(B) GENERAL EXPENDITURE FOR 2017-18

PARTICULARS	AMOUNT (Rs. In Lakhs)
OUTSOURCED MANPOWER	632.66
ELECTRICITY	224.79
SCHOLARSHIP/ASSISTANTSHIP	547.28
REPAIR MAINTENANCE	22.55
TRAVELING ALLOWANCE	16.98
TRANSPORTATION EXPENSES	26.36
HONORARIUM	62.83
STUDENT SUPPORT SERVICE	12.79
OTHER EXPENSES	138.41
CONTRIBUTION TO NPS	116.59
TOTAL	1801.24

(C) CAPITAL EXPENDITURE FOR 2017-18

PARTICULARS	AMOUNT (Rs. In Lakhs)
CIVIL & ELECTRICAL	11.33
FURNITURE & FIXTURE	17.68
LAB & OFFICE EQUIPMENT	49.04
COMPUTER HARDWARE & SOFTWARE	38.62
BOOKS & JOURNALS	90.59
TOTAL	207.26



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

BALANCE SHEET AS AT 31ST MARCH 2018

AMOUNT IN ₹			
SOURCES OF FUNDS	SCHEDULES	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)
CORPUS/CAPITAL FUND	1	300,84,94,171	301,66,36,785
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	0	0
CURRENT LIABILITIES & PROVISIONS	3	59,73,95,536	42,16,33,028
TOTAL		360,58,89,707	343,82,69,813
APPLICATION OF FUNDS			
FIXED ASSETS	4		
TANGIBLE ASSETS		63,97,31,127	65,27,56,901
INTANGIBLE ASSETS		87,75,822	78,05,052
CAPITAL WORK-IN-PROGRESS		201,65,02,810	201,65,02,810
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	5		
LONG TERM		0	0
SHORT TERM		0	0
INVESTMENTS-OTHERS	6	27,35,04,453	33,55,65,527
CURRENT ASSETS	7	27,11,40,359	17,40,47,967
LOANS, ADVANCES & DEPOSITS	8	39,62,35,136	25,15,91,557
TOTAL		360,58,89,707	343,82,69,813
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTE TO ACCOUNTS	24		


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


(S.D. Gadekar)
Acting Registrar


(S. G. Deshmukh)
Officiating Director



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

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

**INCOME AND EXPENDITURE ACCOUNT
FOR THE PERIOD 01/04/2017 TO 31/03/2018**

AMOUNT IN ₹

PARTICULARS	SCHEDULE	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)
A INCOME			
ACADEMIC RECEIPTS	9	7,14,50,080	6,82,54,421
GRANTS / SUBSIDIES	10	30,10,40,887	20,14,34,867
LOAN FROM INTERNAL CORPUS	12	5,89,79,206	6,08,04,204
INCOME FROM INVESTMENTS	11	1,90,56,719	1,32,06,131
INTEREST EARNED	12	7,19,107	28,88,977
OTHER INCOMES	13	56,48,933	28,00,847
PRIOR PERIOD INCOME	14	(12,44,000)	4,38,434
TOTAL (A)		45,56,50,932	34,98,27,881
B EXPENDITURE			
STAFF PAYMENTS & BENEFITS(ESTABLISHMENT EXPENSES)	15	17,98,95,887	11,20,74,867
ACADEMIC EXPENSES	16	6,64,51,101	6,57,04,563
ADMINISTRATIVE AND GENERALEXPENSES	17	10,87,74,651	7,83,58,293
TRANSPORTATION EXPENSES	18	26,36,231	21,43,617
REPAIRS & MAINTENANCE	19	22,54,660	39,02,142
FINANCE COSTS	20	7,564	55,589
DEPRECIATION	4	5,37,89,148	5,60,59,984
OTHER EXPENSES	21	0	0
PRIOR PERIOD EXPENSES	22	3,17,185	23,06,293
TOTAL (B)		41,41,26,426	32,06,05,348
BALANCE BEING EXCESS OF INCOME OVER EXPENDITURE (A-B)		4,15,24,506	2,92,22,532
TRANSFER TO INSTITUTE CAPITAL FUND			
	9		
	11		
	12		
INTERNAL INCOME	13	96874839	8,71,50,376
BUILDING FUND		0	0
BALANCE BEING SURPLUS (DEFICIT) CARRIED TO GENERAL FUND		9,68,74,839	8,71,50,376
BALANCE BEING SURPLUS (DEFICIT) CARRIED TO CORPUS FUND		(5,53,50,333)	(5,79,27,843)
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTE TO ACCOUNTS	24		


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


(S.D. Gadekar)
Acting Registrar


(S. G. Deshmukh)
Officiating Director



PDPM
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 2017-2018

AMOUNT IN ₹							
S.No.	RECEIPTS	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)	S.No.	PAYMENTS	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)
I	<u>OPENING BALANCES</u>			I	<u>EXPENSES</u>		
A)	CASH BALANCE	0	0	A)	STAFF PAYMENTS & BENEFITS	49,80,596	45,77,966
B)	<u>BANK BALANCES</u>			B)	ACADEMIC EXPENSES	5,76,35,505	5,99,67,993
i)	CANARA BANK GRANT A/C	0	4,91,865	C)	ADMINISTRATIVE AND GENERAL EXPENSES	2,94,60,774	3,01,19,259
ii)	SBI GRANT A/C	3,48,231	6,72,578	D)	TRANSPORTATION EXPENSES	9,30,824	8,24,134
iii)	ALLAHABAD BANK STUDENT FEE A/C	3,74,18,166	2,94,76,978	E)	REPAIRS & MAINTENANCE	16,00,552	24,55,187
iv)	SBI PROJECT A/C	0	0	F)	FINANCE COSTS	1,833	56,343
v)	SBI STUDENT FEE A/C	0	0				
vi)	ALLAHABAD BANK GRANT CURRENT ACCOUNT	3,45,60,748	24,45,747		<u>PAYMENTS AGAINST</u>	9440172.00	
				II	<u> earmarked/ENDOWMENT FUNDS</u>		59,65,038
vii)	ALLAHABAD GRANT SAVING BANK A/C	3,55,23,112	24,52,63,021		<u>PAYMENTS AGAINST SPONSORED</u>		
				III	<u>PROJECTS/SCHEMES</u>	1,13,28,992	42,46,878
viii)	PROJECT A/C	0	0		<u>PAYMENTS AGAINST SPONSORED</u>		
a)	ALLAHABAD PROJECT A/C	3,60,53,290	1,49,34,102	IV	<u>FELLOWSHIPS AND SCHOLARSHIPS</u>	0	0
b)	E&ICT ACADEMY A/C	1,18,99,817	46,96,416	A)	CENTRAL SECTOR SCHOLARSHIP	22,48,882	23,14,908
c)	STARTUP A/C	4,17,918	0	B)	EXTERNAL SCHOLARSHIP	15,95,200	3,05,020
ix)	SBI TICKET A/C	1,84,351		V	<u>INVESTMENTS AND DEPOSITS MADE</u>		
							0
x)	<u>SUBSIDIARY BANK ACCOUNTS</u>				<u>OUT OF EARMARKED/ENDOWMENTS</u>		
a)	HALL 01	27,81,110	31,59,810	A)	FUNDS	0	0
b)	HALL 03	72,01,125	76,34,787		<u>OUT OF OWN FUNDS (INVESTMENTS- OTHERS)</u>	0	
c)	HALL 04	35,97,775	38,47,037		<u>TERM DEPOSITS WITH SCHEDULED</u>		
d)	GYMKHANA	31,50,526	24,55,452	VI	<u>BANKS</u>		
e)	LIBRARY	3,67,599	2,95,420	A)	INVESTMENTS AND DEPOSITS MADE	6,00,00,000	25,16,14,369
f)	SBI-CPF/NEW PENSION A/C	0	0	B)	INVESTMENTS AND DEPOSITS MADE (SUBSIDIARY ACCOUNTS)	25,00,000	0
					<u>EXPENDITURE ON FIXED ASSETS &</u>		
				VII	<u>CAPITAL WORK-IN-PROGRESS</u>		
				A)	PURCHASE OF FIXED ASSETS	12617246.00	21,08,960
				B)	EXPENDITURE ON CAPITAL WORK-IN-PROGRESS	0	



PANDIT DWARKA PRASAD MISHRA INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN AND MANUFACTURING, JABALPUR
RECEIPTS & PAYMENT ACCOUNT
FOR THE FINANCIAL YEAR 2017-2018

AMOUNT IN ₹							
S.No.	RECEIPTS	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)	S.No.	PAYMENTS	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)
II	GRANTS RECEIVED						
A)	FROM GOVT. OF INDIA (MHRD) (PLAN)- GENERAL	7,61,45,000	8,93,60,000	VIII	OTHER PAYMENTS INCLUDING STATUTORY PAYMENTS		
B)	FROM GOVT. OF INDIA (MHRD) (PLAN)- FOR CREATION OF CAPITAL ASSETS	0	0	A)	ASSOCIATION FEE (OTHER INSTITUTION)	0	0
C)	FROM GOVT. OF INDIA (MHRD) (PLAN)- SALARY	14,50,00,000	13,06,74,930	B)	GIS (OTHER INSTITUTES)	7,200	7,200
III	ACADEMIC FEE			C)	GPF (OTHER INSTITUTES)	7,35,000	9,60,000
A)	ACADEMIC FEES	9,13,24,845	6,25,80,784	D)	GSLIS	2,58,792	2,12,510
B)	ADVANCE FEES RECEIVED	1,99,37,850	2,07,74,600	E)	PROFESSIONAL TAX PAID	2,96,992	2,76,896
C)	STUDENT CAUTION MONEY	0	3,000	F)	WCT PAID	12,389	36,407
D)	ALUMNI ASSOCIATION SUB	0	0	G)	LABOUR WELFARE CESS	13,902	18,204
E)	STUDENT WELFARE FUND	0	0	H)	NEW PENSION CONT.	2,31,87,261	1,53,22,952
F)	EXCESS DEPOSIT FEE	50,600	28,176	I)	TDS PAID	2,19,45,493	1,25,78,929
G)	HALL MANAGEMENT ACCOUNT	0	42,902	J)	VAT PAID	2,89,700	6,67,127
H)	STUDENT BENEFIT ACCOUNT	0	0	K)	FLAG DAY CONTRIBUTION	11,090	0
IV	RECEIPTS AGAINST EARMARKED/ENDOWMENT FUNDS	7,25,03,588	3,27,17,438	L)	SERVICE TAX	8,934	98,205
V	RECEIPTS AGAINST SPONSORED PROJECTS/SCHEMES	37,79,006	10,32,191		REFUNDS OF GRANTS/PROJECT A/C CORPUS	5537397.00	0
VI	RECEIPTS AGAINST SPONSORED FELLOWSHIPS AND SCHOLARSHIPS			X	DEPOSITS & ADVANCES		
A)	CENTRAL SECTOR SCHOLARSHIP RECEIVED	29,42,617	21,49,838	A)	CPWD, BHOPAL	0	0
B)	EXTERNAL SCHOLARSHIP	15,76,000	2,22,200	B)	DGS&D		6,000
VII	INCOME ON INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (E&ICT ACADEMY)	0	37,75,228	C)	ADVANCE TO ROBOCON		25,116
B)	OTHER INVESTMENTS	0	14,49,293	D)	ADVANCE FOR EXP STAFF & OTHER	17,05,925	1,25,79,477
C)	OTHER INVESTMENTS (SUBSIDIARY ACCOUNTS)	8,10,00,000	44,589	E)	DEW 2016		3,00,000
VIII	INTEREST RECEIVED			F)	STARTUP		1,90,000
A)	INTEREST RECEIVED	1,22,13,677	40,50,644	G)	ADVANCE TO NICSI	0	0
B)	INTEREST RECEIVED (SUBSIDIARY ACCOUNTS)	5,62,113	6,42,069	H)	SECURITY DEPOSIT	35,000	0
				I)	EMD AND PBG	31,13,667	46,44,568
				J)	SECURITY DEPOSIT-MPPKVCL	0	0



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RECEIPTS & PAYMENT ACCOUNT
FOR THE FINANCIAL YEAR 2017-2018

AMOUNT IN ₹

S.No.	RECEIPTS	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)	S.No.	PAYMENTS	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)
IX	INVESTMENTS ENCASHED	0	0	K)	ADVANCE TO DAVP	0	0
	TERM DEPOSITS WITH SCHEDULED						
X	BANKS ENCASHED			L)	ADVANCE TO OPTIMIZATION WORKSHOP	0	0
	INVESTMENTS AND DEPOSITS MATURED						
A)	INSTITUTE	6,00,00,000	3,00,00,000	M)	ADVANCE TO TFRI	0	0
	INVESTMENTS AND DEPOSITS MATURED						
B)	E& ICT ACADEMY		90,00,000	N)	ADVANCE TO INNOVATION PROJECT	0	22,68,805
	OTHER INCOME (INCLUDING PRIOR						
XI	PERIOD INCOME)			XI	OTHER PAYMENT		
A)	OTHER INCOMES	57,73,771	48,02,220	A)	HALL MANAGEMENT ACCOUNT	1,22,25,874	17,00,262
				B)	STUDENT BENEFIT ACCOUNT	61,08,350	16,94,600
XII	DEPOSITS AND ADVANCES			C)	STUDENT CAUTION MONEY	10,74,000	11,96,000
A)	SECURITY DEPOSIT	1,21,000	8,25,000	D)	EXCESS DEPOSIT FEE PAID	1,46,13,278	1,47,99,072
B)	EMD AND PBG	19,47,000	40,86,347	E)	ALUMNI ASSOCIATION SUB PAID	13,61,500	0
C)	ADVANCE TO CSAB 2013	0	0	F)	STUDENT WELFARE FUND	0	0
	SECURITY DEPOSIT-MPPKVCL						
D)	(CONTRACTORS)	0	0	G)	INCOME TAX PAID	0	0
E)	REFUND BY DGS&D	0	7,31,695	H)	ONLINE EXAM VYAPAM	0	0
	RECEIPTS FROM AMEC/NWSG						
F)	WORKSHOP			I)	OTHER EXPENSES	1,77,62,972	1,47,328
G)	ADVANCE FROM INNOVATION PROJECT	0	2,87,027	J)	PROVISIONS PAID	10,45,23,431	7,30,68,419
H)	ADVANCE FROM EXPENSES OF STAFF & OTHER	6,306	31,21,019	K)	CREDITORS PAID	9,85,50,296	5,89,79,294
	MISCELLANEOUS RECEIPTS INCLUDING						
XIII	STATUTORY RECEIPTS			XII	CLOSING BALANCES		
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		0
D)	GSLIS	3,576	0	ii)	SBI GRANT A/C	2,36,797	3,48,231
E)	PROFESSIONAL TAX	208	0	iii)	SBI STUDENT FEE A/C	0	0
F)	WCT	3,247	8,039	iv)	SBI PROJECT A/C	0	0
G)	LABOUR WELFARE CESS	1,623	4,020	v)	ALLAHABAD BANK STUDENT FEE A/C	2,40,25,661	3,74,18,166



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

RECEIPTS & PAYMENT ACCOUNT

FOR THE FINANCIAL YEAR 2017-2018

AMOUNT IN ₹

S.No.	RECEIPTS	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)	S.No.	PAYMENTS	CURRENT YEAR (FY 2017-18)	PREVIOUS YEAR (FY 2016-17)
H)	NEW PENSION CONT.	0	0	vi)	ALLAHABAD BANK GRANT CURRENT A/C	1,72,068	3,45,60,748
I)	TDS RECOVERED	27,79,319	12,65,906	vii)	PROJECT A/C		
J)	VAT RECOVERED	2,03,647	4,80,986	a)	ALLAHABAD PROJECT A/C	7,84,29,286	3,60,53,290
K)	FLAG DAY CONTRIBUTION	11,090	0	b)	E&ICT ACADEMY A/C	8,89,71,700	1,18,99,817
L)	SERVICE TAX	731	40,472	c)	STARTUP A/C	4,35,631	4,17,918
M)	FINANCIAL SOFTWARE	46,787		d)	QIP AICTE	8,00,737	
XIV)	ANY OTHER RECEIPTS			viii)	ALLAHABAD GRANT SAVING BANK A/C	4,72,71,324	3,55,23,112
A)	NPS INTEREST & OTHER	0	9,22,720	ix)	SBI TICKET A/C	1,12,848	1,84,351
B)	OTHER RECIEPTS	2,80,06,223	19,92,938	x)	SUBSIDIARY BANK ACCOUNTS		
C)	RECIEVABLE TO STUDENT	0	1,44,12,450	a)	HALL 01	56,98,268	27,81,110
D)	A/C RECIEVABLE	0	50,02,058	b)	HALL 03	1,10,40,372	72,01,125
E)	RECEIVED AGAINST PAYMENT OF COMPUT	0	11,17,673	c)	HALL 04	47,63,788	35,97,775
F)	PROJECT CONSULTANCY PAYABLE	0	18,800	d)	GYMKHANA	81,93,295	31,50,526
				e)	LIABRARY	4,46,385	3,67,599
				f)	SBI-CPF NEW PENSION A/C	0	0
				XIII)	ANY OTHER PAYMENTS		
				a)	FEE RECIEVABLE STUDENT		1,37,500
				b)	INTEREST ON PROJECT A/C PAID		1,05,227
				c)	EXPENSES PAYABLE	11,26,412	29,60,546
	TOTAL	77,94,43,591	74,30,40,466		TOTAL	77,94,43,591	74,30,40,466


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


(S.D. Gadekar)
Acting Registrar


(S. G. Deshmukh)
Officiating Director



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



महानिदेशक, लेखापरीक्षा (केन्द्रीय प्राप्ति) नई दिल्ली का कार्यालय,
शाखा-ग्वालियर, चतुर्थ तल, ऑडिट भवन, झांसी रोड,
ग्वालियर - 474002 (म०प्र०)
Office of the Director General of Audit (Central Receipt)
New Delhi, Branch-Gwalior, Audit Bhavan, Jhansi Road,
Gwalior - 474002 (M.P.)

No. AMG-II/SAR/ PDPMIITDM,J /2017-18/D- 303
Date : 26.12.2018

Confidential

To

The Director,
Pandit Dwarka Prasad Mishra Indian Institute of Information Technology,
Design-and Manufacturing (PDPMIITDM),
Dumna Airport Road, P.O. Khamariya,
Jabalpur-482005,

**Sub: Separate Audit Report on the accounts of Pandit Dwarka Prasad Mishra
Indian Institute of Information Technology Design and Manufacturing
(IITDM), Jabalpur for the year 2017-18.**

Sir,

Please find enclosed herewith the Separate Audit Report and Management Letter on the accounts of **Pandit Dwarka Prasad Mishra Indian Institute of Information Technology Design and Manufacturing (IITDM), Jabalpur for the year 2017-18**. You are requested to kindly ensure that the SAR and the audited accounts are adopted by the Board of Governors before placing the same before the Parliament.

2. The dates of placement of the above Report on the table of both houses of the Parliament may please be intimated and a copy of the printed material may be provided to this office for information.

3. It may please be noted that the Management Letter is not to be placed before the Parliament.

4. Kindly acknowledge receipt.

**Encl.: 1. Separate Audit Report
with annexure
2. Management Letter**

Yours faithfully,

Dy. Director (Central)

PDPMIITDM Jabalpur 2017-18



Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of Pandit Dwarka Prasad Mishra Indian Institute of Information Technology Design and Manufacturing, Jabalpur for the year ended 31 March 2018.

We have audited the attached Balance Sheet of **Pandit Dwarka Prasad Mishra Indian Institute of Information Technology Design and Manufacturing (IIITDM), Jabalpur** as at 31 March 2018, the Income & Expenditure Account and the Receipt & Payment Account for the year ended on that date under Section 20 (1) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971. The audit has been entrusted for the period up to 2018-19. These financial statements are the responsibility of the IIITDM's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency cum performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

(i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.

(ii) The Balance Sheet, Income & Expenditure Account and the Receipt & Payment Account dealt with by this report have been drawn up in the format prescribed by the Ministry of Human Resource Development, Government of India vide order no. 29-4/2012-IFD dated 17-April-2015.

(iii) In our opinion, proper books of account and other relevant records have been maintained by the Institute in so far as it appears from our examination of such books.



(iv) We further report that: -

A Balance Sheet

A.1 Source of Funds

A.1.1 Current liabilities & Provisions (Schedule-3) ₹ 59.74 crore

A.1.1.1 This includes ₹ 18.40 crore being loan from internal corpus (to meet shortage of grants-in-aid). As any expenditure over and above grant has to be met from internal generation, the depiction of shortage of grant as current liability is incorrect. This resulted in overstatement of Current Liabilities by ₹ 18.40 crore and understatement of Corpus/Capital Fund by same amount.

A.1.1.2 This does not include ₹ 5.07 lakh being interest earned on grants-in-aid. This resulted in understatement of Current Liabilities by ₹ 5.07 lakh and overstatement of Corpus/Capital fund by same amount.

A.2 Application of Funds

A.2.1 Fixed Assets (schedule-4)

Tangible assets: ₹ 63.97 crore

A.2.1.1 Depreciation of ₹ 17.10 lakh had been charged on library books in excess during the year 2007-08 but same has not been adjusted as deduction/accumulated depreciation till the year. This resulted in understatement of Fixed Assets and overstatement of Prior Period Expenditure (Depreciation) by ₹ 17.10 lakh as well as understatement of Corpus Fund by same amount.

A.2.2 Investments others (Schedule-6) ₹ 27.35 crore

A.2.2.1 This includes ₹ 27.35 crore being term deposits with banks. As per revised format of accounts issued by MHRD, term deposits with bank are to be exhibited under current assets and not under Investment. This resulted in overstatement of Investments others by ₹ 27.35 crore and understatement of Current Assets by same amount.

B. General

B.1 Accounting Policy No. 3.6 of the Institute (Schedule-23) disclosed that depreciation is provided for the whole year on addition during the year. However, point 3.3 of Contingent Liabilities and Notes on Accounts (Schedule-24) disclosed that depreciation is charged for full year on assets purchased before September and on assets purchased after September, the depreciation is charged on



Accounting Policies and Notes on Account and subject to the significant matters stated above and other matters stated in Annexure to this Audit Report give a true and fair view in conformity with the accounting principles generally accepted in India:

- (a) In so far as it relates to the Balance Sheet of the state of affairs of the Indian Institute of Information Technology Design and Manufacturing Jabalpur as at 31 March 2018 and;
- (b) In so far as it relates to Income & Expenditure Account of the deficit for the year ended on that date.

For and on behalf of the Comptroller and Auditor General of India

Place: - New Delhi

Date: - 26-12-2018

Director General of Audit
(Central Receipts), Delhi



half yearly basis. Thus the above disclosures made by the Institute were mutually contradictory. This was pointed out in previous year also.

- B.2** Income & Expenditure account for Hall-01,03,04, Gymnasium and library is being maintained separately as subsidiary accounts and balance of ₹ 5.70 crore has been depicted in institute Main account as liability (refer Schedule-3). But Income and expenditure of such accounts has not been incorporated in Institute's main account (Income & Expenditure account) which was not as per the format prescribed by MHRD.
- B.3** Accounting Policy No. 6 of the Institute (Schedule 23) mentioned that retirement benefits i.e. gratuity and leave encashment are provided on the basis of actuarial valuation. However, the provision for gratuity and leave encashment was not made on actuarial valuation during the year. This was in contravention to Accounting Policy of the Institute and AS 15 issued by ICAI.

Effect of audit comments

The net effect of the above comments is that the Assets and Liabilities were understated by ₹ 17.10 lakh respectively. Further Prior Period Expenditure was overstated by ₹ 17.10 lakh.

C. Grant-in-aid

During the year, The Institute received grants-in-aid (recurring) of ₹ 29.61 crore (₹ 11.50 crore received in March 2018). In addition, it had unspent balance of ₹ 3.21 crore of the previous year and interest earned on GIA of ₹ 0.05 crore. Thus, out of the available funds ₹ 32.87 crore an amount of ₹ 30.12 crore utilized by the Institute leaving unspent balance of ₹ 2.75 crore (including ₹ 0.05 crore interest earned on GIA) as on 31st March 2018.

D. Management Letter

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Institute through a management letter issued separately for the remedial/corrective action.

- (v) Subject to our observations in the preceding paragraphs we report that the Balance Sheet, Income & Expenditure Account and the Receipt & Payment Account dealt with by this report are in agreement with the books of accounts.
- (vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the



Annexure

1. Adequacy of Internal Audit System:

Internal Audit was conducted during the year by Chartered Accountants firm.

2. Adequacy of Internal Control System:

The internal control system was found to be inadequate due to:

- (i) The response of the Management towards compliance audit objections was not effective as there were 23 paras pending pertaining to the period from 2006-2007 to 2016 -17 (12/2016).
- (ii) Provisions for gratuity and other retirement benefits have not been made on actuarial valuation basis.
- (iii) Physical verification of Fixed Assets and Inventories has not been conducted during the year 2017-18.
- (iv) There is no investment policy in currency.
- (v) Physical verification of investment was not held during the year.

3. System of Physical Verification of Fixed Assets:

Physical verification of Fixed Assets has not been conducted during the year 2017-18.

4. System of Physical Verification of Inventories:

Physical verification of Inventories has not been conducted during the year 2017- 18.

5. Regularity in payment of statutory dues:

No irregularity was noticed in the payment of statutory dues.


Sr. Audit Officer/AMG-II



Right to Information Act, 2005: Report (01-04-2017 to 31-03-2018):

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 Rizwan Ahmed, Assistant Registrar Central Public Information Officer	Smt. Swapnali D Gadekar Acting Registrar First Appellate Authority	Prof P N Kondekar Professor Transparency Officer
------------------------------------------------------------------------------------	--------------------------------------------------------------------------	--------------------------------------------------------

Other details are given below:

No. of RTI applications received in the Institute	: 30
No. of RTI applications replied by the Institute	: 30
No. of first appeals received by the Institute	: 3
No. of decisions passed by the FAA of the Institute	: 3
Amount collected as RTI fee and additional fee	: 4776/-