



Pandit Dwarka Prasad Mishra
Indian Institute of Information Technology,
Design and Manufacturing, Jabalpur
(An Institute of National Importance Estd. by an Act of Parliament)

Annual Report
2014-15

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DIRECTOR'S REPORT

Indian Institute of Information Technology Design and Manufacturing Jabalpur has the distinction of being the first institute established by the MHRD, Government of India with the primary objective of promoting high quality education. The cherished aim is to produce talented and skilled human resource adept with the new knowledge for the growth of Indian manufacturing sector. The Institute provides a seamless environment for creativity and innovation. Faculty, students and alumni are making efforts to create commercial opportunities and build sustainable partnership with Indian industry.



It is a matter of great pleasure to share that the Institute has completed 10 years of existence on February 7, 2015. Fortunately, the Institute has also been identified as an "Institute of National Importance" by the IIIT Act, 2014. It is indeed a privilege for me to report the progress and achievements of the Institute in this historic year and to give a brief account of some of the main activities and events that took place at the Institute in the year 2014-15.

Academic Programmes

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 Master and PhD programmes in Design, Master programme in Mechatronics, PhD programmes in Natural Sciences (Mathematics / Physics) and short term courses in Japanese language.

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. In the academic session 2014-15, 257 UG students, 86 masters students and 10 doctoral students were admitted.

Sponsored Research & Extension

IIITDMJ gives high priority to research and development projects sponsored by national agencies along with academic research leading to doctoral degree. The research funding received from national research agencies also goes a long way in supporting and enhancing academic research and quality of teaching. This year followings important projects were sanctioned.

1. Design of Stove/Chulla for rural masses of India, PI: Prof Puneet Tandon, Design Project (SDP-14-175) under Design Clinic Scheme for MSMEs, NID, Ahmedabad.
2. Electro-deposition of magnetic film in the presence of external magnetic field; PI: Dr A C Mishra, Funded by : SERB/DST, New Delhi.



3. Development of Additive-Subtractive Integrated RP System For Improved Part Quality. PI: Dr Prashant K Jain, Co PI: Prof Puneet Tandon Dr P M Pandey (IIT Delhi), Funded by DST, New Delhi.

Apart from some small consultancy works for MSMEs and defense production units in Jabalpur, a consultancy project on Ergonomics was also funded by NID Gandhinagar with CI as Dr Prabir Mukhopadhyay.

In the direction of collaboration with R&D organizations in India, an MoU has been signed with IIT Indore on faculty and students exchange and research collaboration. Another MoU has been signed with CEERI Pilani for the "Special Manpower Development Programme for Chips to System Design (SMDP-C2SD)" under Digital India Programme sponsored by DeitY.

I am happy to share the information that we have crossed 400 counts in the Scopus listed publications this year. Steadily we are making our presence felt in the research landscape.

Conferences and workshops

As in the past, the institute has hosted seminars/conferences and workshops as a part of our mandate. Here I would like to mention a few of them.

1. Seminar on Atomic Energy for Sustainable Development of the Nation (September 20, 2014) jointly organized by BARC and the Institute.
2. National Workshop on Cryptography (September 25-27, 2014) organized jointly with the Cryptology Society of India.
3. Workshop on Fault Diagnosis of Machines (November 01-02, 2014).
4. 5th Workshop on Application of MATLAB for Engineering Computations –AMEC (February 06-08, 2015).
5. Workshop on MIC Component for Next Generation Wireless Communication Systems (February 13 - 15, 2015).
6. Symposium on Next Generation Networks (March 12-15, 2015).
7. CST University Workshop -2015 (March 26, 2015).
8. National Workshop on Smart Grid and Renewable Energy Integration (March 30-31, 2015).

A special mention must be made about the Design Workshop DeW 2014 on "User Centric Design" which was organized during December 08-10, 2014, jointly with the Ministry of Foreign Affairs, Japan. Eminent personalities like Prof. Masao Ishihama of the Kanagawa Institute of Technology, Japan, Dr Prof Etsuko Tsutsumi of the Hokkai School of Commerce, Japan, two time Red Dot Award winner, Mr Paul Sandip, co-founder of PaperKite, Mr Kshitish Purohit, and co-founder of Think Design, Rama Brahmam Aleti, Prof V M Parmar from the National Institute of Design, Ahmedabad delivered talks during the workshop.



Faculty

It is a well-known fact that the quality of an academic institution largely depends on its faculty. Our faculty is one of the finest in the class and is recognized for its quality of research and teaching. Many of our faculty members serve on the editorial Boards of reputed journals, and also on various committees.

Commitment and dedication of our faculty and academic staff in intensifying quality research in various fields is showing up now. Some of their works have had the distinction of high citation and most viewed articles.

Dr Sangeeta Pandit's co-authored paper titled "Ergonomic Risk Assessment on Women Handloom Weavers in Assam with the Introduction of Jacquard" was awarded one of the most distinguished papers in the prestigious ICorD 2015 conference held at IISc Bangalore.

This year, twelve faculty members visited abroad for participating in international workshops/conferences. Dr Asish Kumar Kundu visited CRISMAT Laboratory, University of Caen, France for one year as Visiting Research Faculty.

Staff

The Institute takes pride in having committed staff on its roll. The staff members are encouraged to participate in training programmes. Five members of our staff have undergone specific training programmes to enhance their skill sets and for delivery of quality service.

Student Activities and Laurels

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 Students Activity Centre, Tennis and Sports Grounds, cultural, technical, Robotics as well as cultural and welfare programmes.

As in the past, year round activities of students keep the campus vibrant and colourful. 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.

Our students have won several accolades and laurels. To mention a few,

1. Pratik Raj and Kewal Chand Swami. B. Tech. students of 2011 batch adjudged as semi-finalists in the 11th Annual Extreme Redesign Challenge.
2. Five project proposals from the students of IIITDM Jabalpur were accepted in the Texas Instruments Innovation Challenge India Design Contest 2015 floated by Texas Instruments for engineering students of India. The contest aimed at promoting IC-based system design among student community.



3. During 29th Oct - 4th Nov 2014, student made their trip to the annual cultural fest WAVES'14 of BITS Goa. Our students' performance of Nukkad Natak was appreciated by them and it achieved 7th position amongst 22 participants.

Placement

I am glad to share with you that students had better placement opportunities this year. More than 35 companies visited our campus and have given offers to our students including Infosys, Oracle, Persistent, Microsoft, Wipro, Hitachi, AMDOCS and MHI. About 95% of eligible UG students were placed. We hope, more companies will visit the campus in future to take the benefit of talent pool available here. It is nice to note that this time, giants such as Work Applications Japan, Snapdeal, Brahmos came and picked up the talent from the campus.

Recognition

I am happy to report that the institute has been bestowed with the following awards / professional recognition:

1. Listed as Category AA institute in an independent survey conducted by Digital Learning.
2. The Short film 'Somewhere Far' created in-house at Design Discipline, in collaboration with Dramatics and Music Club had received Official Selection at 7th International Documentary and Short Film Festival of Kerala, 2014 and also nominated as official Selection at 4th Gujarat International Film Festival of India, 2014.

International and National Collaboration

The Institute enjoys a very special relationship with Japan under a treaty signed between the Governments of Japan and India. This is a unique opportunity for us, and our faculty, students are taking benefit of the association. Under this joint collaborative programme, our faculty member, Dr Pavan Kumar Kankar visited Japan during March 11-28, 2015. In addition, 14 students visited Japan under the JENESYS programme for a period of two weeks and four students were also offered six months internship under the IIITDMJ – Japan collaboration. Further, eight Japanese professors visited the Institute to contribute in our teaching programme during the session 2014-15.

We have also networked with universities and colleges in Jabalpur under the aegis of "Jabalpur Academia Initiative". An MOU with Ordnance factories & DRDO is under process.

Financial Report 2014-15

An amount of Rs. 6808.47 Lakh was sanctioned as the plan grant to the Institute in the FY 2014-15. Internal Income of the Institute for the FY 2014-15 was Rs. 575.71Lakh which has been transferred to Institute corpus fund.



At the end of the financial year 2014-15 Institute corpus was Rs.1580.97 Lakh. The head wise sanction and utilization of grant is given below.

₹ in Lakh

Particulars	Head 36 (Salary)	Head 31 (General Expenses)	Head 35 (Creation of Capital Assets)	Total
Opening balance as on 1/4/2014	18.27	541.96	0.16	560.39
Grant received during the FY 2014-15	933.57	1038.01	4836.89	6808.47
Total Funds Available	951.84	1579.97	4837.05	7368.86

Out of the total available funds, an amount of Rs. 7133.32 lakh has been utilized in different heads as follows:

₹ in Lakh

Particulars	Head 36 (Salary)	Head 31 (General Expenses)	Head 35 (Creation of Capital Assets)	Total
Grant available	951.84	1579.97	4837.05	7368.86
Expenditure incurred	796.63	1500.70	4835.99	7133.32
Balance funds as on 31/3/2015	155.21	79.27	1.06	235.54

Out of the total expenditure of Rs. 7133.32 lakh incurred during the FY 2014-15, an amount of Rs. 4242.95 lakh was deposited with CPWD and DGS&D towards construction work and capital purchase. Rs. 112.34 lakh was utilized towards purchase of furniture & fixtures, Rs. 45.31 lakh was spent towards lab & office equipment, Rs. 131.69 was spent towards computer hardware & software, Rs. 174.07 was spent towards library books & journals.

Infrastructure

The Institute has made consistent efforts in building its infrastructure to cater to the needs of its envisaged plans and for better amenities. Besides planning and building new Visitors' hostel, Lecture Hall and Tutorial Complex, Basket Ball Court Complex, Type V quarter and Mess and Dining Hall, have been completed (with some minor work pending) and officially we had taken possession of Narmada Residency-II for occupation of faculty / staff. About 7 kms of road length has been added in the campus road network. The Institute is also engaged in a massive exercise of adding new academic blocks and other buildings on the campus.



Other activities

The "Hindi Pakhwada" was celebrated during 14th to 29th Sept' 14. During this period many events were organized and well attended by students and staff members. These include Quiz, Debate, Handwriting competition, poster painting competition, slogan writing, essay, poem writing, etc.

Students have been very actively engaged in the 'Swachch Bharat Mission' and they also take part in social movements through their own created club called 'Jagrati'.

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

S G Deshmukh,
Director (In-charge)



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 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 03, 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. The Institute was declared an Institute of National Importance under IIIT Act 2014.

Vision

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

Mission

To create an environment of high quality research and training that

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

Values

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

- a. Seeks to establish and maintain an environment enabling academic community to take intellectual and creative risks and to embrace changes that will lead to the technological



innovations and development in future years.

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



INSTITUTE AT A GLANCE

No. of Students	1182 (969 UG + 126 Master + 87 PhD)		
No. of Faculty	49 + 6 Research Engineers		
No. of Officers	8		
No. of Support Staff	41		
Academic Programmes	14 (3 UG + 5 PG + 6 PhD) + 1 Certificate Programme + 1 Diploma in Japanese Language		
Convocation 2014	Degrees awarded		
	UG	Master	PhD
	230	25	02
Campus	1000000 Sqm		
Constructed buildings (Plinth Area)	69966 Sqm		
Building under construction (Plinth Area)	56812 Sqm		
	Major Completed Buildings	3 Hostels (capacity 1400) 1 Visitors Hostel – (36 double bed rooms) 1 Lecture Hall and Tutorial Complex (7 Halls and 16 class rooms) 1 Core Lab Complex + Workshop Annexe 1 Narmada Residency –II (55 2BHK flats)	
	Students Activity Centres	1 Basket Ball Court Complex 1 Tennis Court 1 Volly Ball Ground 1 Common Play Field + 400 mtrs track. 1 Students Activity Centre Under construction	
Income (2014-15) Rs. In Lakh	Grant	Unspent balance of FY 2013-14	
	6808.47	560.39	
Expenditure (2014-15) Rs. In Lakh	Capital (Head 35)	General (Head 31)	Salary (Head 36)
	4835.99	1500.70	796.63



GOVERNANCE

Administration and Governance: The Institute was governed by the Ministry of Human Resource Development through a Memorandum of Association (MOA). As per the MOA following bodies are the Institute's Administrative Authorities.

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

After the enactment of IIIT Act, 2014, the process of constitution of new Board, Senate, Finance Committee and Building and Works Committee were started in the month of January, 2015. In the year 2014-15 the Institute Authorities were as follows.

Board of Governors

Name of Member

Dr Kota Harinarayana
DS Kothari DRDO Chair - ADA,

Prof S V Raghavan,
Scientific Secretary,
Office of the PSA, Govt. of India

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

Prof Sudhir K Jain
Director, IIT Gandhinagar

Prof Harish Karnick
Professor, IIT-Kanpur

Shri Ajay Kumar (IAS)
Joint Secretary,
Dept. of Electronics & Information Technology
Govt. of India

Shri Ashish Kumar Chauhan
MD, BSE, Mumbai

Shri Amit Khare
Joint Secretary, MHRD, Govt. of India

Designation

Chairman (From 02-12-2014)

Chairman (Upto 01-12-2014)

Member

Member (From 05-12-2014)

Member (From 05-12-2014)

Member

Member

Member Ex-Officio
(Upto 12-10-2014)



Shri Sanjeev Sharma Director (NITs)	Member Ex-Officio (Upto 13-10-2014)
Shri Hari Ranjan Rao (IAS) Member (Ex-Officio) Secretary, Dept of IT Govt. of MP	
Dr Sankar K Pal Distinguished Scientist and Former Director, Indian Statistical Institute, Kolkata	Member (From 05-12-2014)
Prof S G Deshmukh Director (I/C) PDPM-IIITDM, Jabalpur	Member (Ex-officio) (From 18-02-2015)
Prof Aparajita Ojha Director PDPM-IIITDM, Jabalpur	Member (Ex-officio) (Upto 17-02-2015)
Prof Puneet Tandon, Dean (P&D) PDPM-IIITDM Jabalpur	Member (Upto 07-09-2014)
Prof Tanuja Sheorey Dean (Students) PDPM-IIITDM Jabalpur	Member (Upto 07-09-2014)
Shri R P Dwivedi Registrar PDPM IIITDM Jabalpur	Secretary (Ex-officio)

Two meetings of the BOG were held during the year 2014-15

Finance Committee

Name of Member	Designation
Dr Kota Harinarayana DS Kothari DRDO Chair - ADA,	Chairman (Ex-officio) (From 02-12-2014)
Prof S V Raghavan, Scientific Secretary, Office of the PSA, Govt. of India	Chairman (Ex-officio) (Upto 01-12-2014)
Prof S G Deshmukh Director (I/C) PDPM-IIITDM, Jabalpur	Member (Ex-officio) (From 18-02-2015)



Prof Aparajita Ojha
Director
PDPM-IIITDM, Jabalpur

Member (Ex-officio)
(Upto 17-02-2015)

Shri Navin Soi
Director, Integrated Finance Division
MHRD, Govt. of India

Member (Upto 31-07-2014)

Shri Rajesh Singh
Director, Integrated Finance Division
MHRD, Govt. of India

Member (From 01-08-2014)

Shri Alok Mishra
Director (Technical)
MHRD, Govt. of India

Member (Ex-officio)

Shri Prabodh Pandey
Deputy Registrar (Finance & Accounts)
PDPM IIITDM Jabalpur

Secretary (Ex-officio)
(From 26 -08-2014)

Shri R P Dwivedi
Registrar,
PDPM IIITDM Jabalpur

Secretary (Ex-officio)
(Upto 25-08-2014)

One meeting of Finance Committee was held during 2014-15.

Building and Works Committee

Name of Member

Prof S G Deshmukh
Director (I/c)
PDPM-IIITDM Jabalpur

Designation

Chairperson (Ex-Officio)
(From 18-02-2015)

Prof Aparajita Ojha
Director
PDPM-IIITDM, Jabalpur

Chairperson (Ex-officio)
(Upto 17-02-2015)

Prof Puneet Tandon
Dean P & D
PDPM-IIITDM Jabalpur

Member

Shri A K Pandey
Superintending Engineer (Elect)
M PPKVV Co. Ltd., Jabalpur

Member



Shri P R Patil
SE (C), CPWD Bhopal

Member

Shri R P Dwivedi
PDPM-IIITDM Jabalpur

Ex-Officio Secretary &
Registrar, Estate Officer

No meeting of Building & Works Committee was held during 2014-15

SENATE

Name of Member	Designation
Prof S G Deshmukh Director (I/C) PDPM IIITDM Jabalpur	Chairperson(Ex-officio) (From 18-02-2015)
Prof Aparajita Ojha Director PDPM-IIITD&M, Jabalpur	Chairperson (Ex-officio) (Upto 17-02-2015) & Member (From 11-03-2015)
Prof Puneet Tandon Dean P & D PDPM-IIITD&M Jabalpur	Member
Prof Tanuja Sheorey Dean (Students) PDPM IIITDM Jabalpur	Member
Prof Vijay Kumar Gupta Dean (Academics) PDPM IIITDM Jabalpur	Member
Prof P N Kondekar HOD, ECE PDPM-IIITDM Jabalpur	Member (From 11-03-2015)
Dr Prabir Mukhopadhyay HOD, Design PDPM IIITDM Jabalpur	Member (From 11-03-2015)
Dr Prashant K Jain HOD, ME PDPM IIITDM Jabalpur	Member (From 11-03-2015)
Dr Atul Gupta HOD, CSE PDPM-IIITDM Jabalpur	Member (From 11-03-2015)



Prof V M Gadre Professor, EE IIT Bombay	Member
Dr M K Roy HOD, NS PDPM-IIITDM Jabalpur	Member (From 11-03-2015)
Prof P V M Rao Professor, IIT Delhi	Member (From 11-03-2015)
Prof Amithabha Mukharjee Professor, IIT Kanpur	Member (From 11-03-2015)
Dr Debanik Roy BARC Mumbai	Member (From 11-03-2015)
Dr Sunil Agrawal Head (ME Discipline) PDPM-IIITDM Jabalpur	Member (Upto 10-03-2015)
Shri S M Amane, AGM, Tata Motors	Member (Upto 10-03-2015)
Dr M Amarnath Assistant Professor, ME, PDPM IIITDM Jabalpur	Member (Upto 10-03-2015)
Prof V K Jain Professor, ME, IIT Kanpur	Member (Upto 10-03-2015)
Dr Pavan Kumar Kankar Assistant Professor, ME, PDPM IIITDM Jabalpur	Member (Upto 10-03-2015)
Dr Pritee Khanna Head (CSE Discipline), PDPM IIITDM Jabalpur	Member (Upto 10-03-2015)
Prof Uday Khedkar Professor, CSE, IIT Bombay	Member (Upto 10-03-2015)
Dr Lokendra Kumar Assistant Professor, PDPM IITDM Jabalpur	Member (Upto 10-03-2015)



Dr Asish K Kundu
Head (Natural Science),
PDPM IIITDM Jabalpur

Member (Upto 10-03-2015)

Dr Prabin K Padhy
Associate Professor, ECE
PDPM IIITDM Jabalpur

Member (Upto 10-03-2015)

Dr Dinesh Kumar Vishwakarma
Head (ECE Discipline),
PDPM IIITDM Jabalpur

Member (Upto 10-03-2015)

Dr Parag Vyas
Grau Bar Design, Indore

Member (Upto 10-03-2015)

Shri R P Dwivedi
Registrar,
PDPM IIITDM Jabalpur

Secretary

During the Academic Year 2014-15 Seven meetings of the Senate were held including two special meetings.



Standing Committees of the Senate

Under Graduate Committee of Senate (UGCS)

Dr Pavan Kumar Kankar	- Convener
Dr Amaresh Chandra Mishra	- Member
Dr Prabin Kumar Padhy	- Member
Dr Sraban Kumar Mohanty	- Member
Dr Gautam Dutta	- Member

Post Graduate Committee of Senate (PGCS)

Dr Dinesh Kumar V	- Convener
Dr Anil Kumar	- Member
Dr Prabir Mukhopadhyay	- Member
Dr M Amarnath	- Member
Dr Vinod Kumar Jain	- Member

Students Prizes and Awards Committee of Senate (SPACS)

Dr Atul Gupta	- Convener
Dr Sunil Agrawal	- Member
Dr Prabir Mukhopadhyay	- Member
Dr Pavan Kumar Kankar	- Member
Dr Sujoy Mukherjee	- Member
Dr Vinay Kumar Singh	- Member

Students Advisory Committee of Senate (SACS)

Prof Tanuja Sheorey	- Convener
Prof P N Kondekar	- Member
Dr Sraban Kumar Mohanty	- Member
Dr Nihar Ranjan Jena	- Member



Dr Amaresh Chandra Mishra

Mr Abhishek Mishra

Mr Vikas Kumar Malviya

Mr Anurag Prakash

- Member
- Student Coordinator, Counseling Service
- PG Student Senate Member
- UG Student Senate Member

Library Committee of Senate (LCS)

Dr Anil Kumar

Dr Manoj Singh Parihar

Dr Sujoy Mukherjee

Dr Anurag Singh (Upto 11-12-2014)

Dr Lokendra Balyan

Dr Neeraj K Jaiswal

Dr Prabir Mukhopadhyay

Dr Mamta Anand

Ms Menika Patel

- Convener
- Discipline Convener (ECE) Member
- Discipline Convener (ME) Member
- Discipline Convener (CSE) Member
- Discipline Convener (Mathematics) Member
- Discipline Convener (Physics) Member
- Discipline Convener (Design) Member
- Discipline Convener (HSS) Member
- Assistant Librarian



ACADEMIC/ADMINISTRATIVE STAFF

FACULTY

The Institute has been very particular in selecting the most talented faculty available in the country and has grown from the initial strength of only two faculty members to 49 faculty members and six research engineers who also contribute in lab training and research programmes. The Institute also invited people from other Institutes / organization as guest faculty to deliver lectures in special topics and /or as a part of course. Present sanctioned strength of faculty and research engineers is 84. Following lists gives an account of faculty, research engineers and their specializations.

Name and Designation

Professional Details

Areas of interest & Specialization

PROFESSORS



Prof Aparajita Ojha

PhD from RDVV Jabalpur

Geometric Modeling, Computer Aided Geometric Design, Finite Elements, Spline Theory, Approximation Theory, Wavelet Analysis, Object Oriented/Aspect Oriented Modelling and Design, Visual Cryptography, Path Planning



Prof Puneet Tandon

PhD from IIT Kanpur

Geometric Modeling for Design, Engineering & Manufacturing; Conceptual Design, Product Innovation, Design and Development; Mechatronics; Rapid Prototyping & Tooling, Reverse Engineering, NC programming; Tool Design etc.



Prof Tanuja Sheorey

PhD from IIT Kanpur

Algorithm development and numerical analysis, Mathematical modeling off low through porous media; Domain decomposition and Parallel computation, Exhaust emission control from automobiles.



Prof Vijay Kumar Gupta

PhD from IIT Bombay

Smart Structures, Machine Design, Finite Element Methods



Prof P N Kondekar

PhD from IIT Bombay

Electronic Circuit Design, VLSI Design (MOST Level), Device Simulation and Modeling, RF Identification, RF Power Semiconductor and Modeling

ASSOCIATE PROFESSORS



Dr Pritee Khanna

PhD from Kurukshetra University

Computer Graphics, Geometric Modeling, Database Management Systems, Biometrics, Data Structures



Dr Atul Gupta

PhD from IIT Kanpur

Software Engineering, Object-oriented Systems, Empirical Software Engineering, Software Testing, Software Engineering Education



Dr Prabin Kumar Padhy

PhD from IIT Guwahati

Automatic Controller Tuning, Identification and Control of Processes.



Dr Ravi Babu Mulaveesala
(On Lien)

PhD from IIT Delhi

Material Analysis by Thermal Wave Imaging; Optical Techniques for Non-destructive Measurements; Ultrasonic Imaging; Radiography; Instrumentation for Non-destructive Measurements



Dr Sunil Agarwal

PhD from IIT Kanpur

Production and Operations Management, Probability and Statistics, Time series analysis, and Quality control.



Dr Prashant Kumar Jain

PhD from IIT Delhi

Rapid Prototyping & Tooling, CNC machining, Geometric Modeling, CAD/CAM Integration, Computational geometry, Design automation, Nano Technologies In Manufacturing.



Dr Goutam Dutta

PhD from IITBombay

Computation alfluid dynamics, Heat Transfer, Two phase flow in stability analysis, Nuclear coupled thermal hydraulic in stability analysis



Dr Dinesh Kumar Vishwakarma

Ph D from IISc Bangalore

Analytical and FDTD Modeling, Antenna Analysis and Design, Microwave Engineering, Applied Photonics, Fiber Optic Communication



Dr Prabir Mukhopadhyay

PhD from University of Limerick, Ireland

Injury Prediction, Industrial Ergonomics, Occupational Ergonomics, Ergonomics in Improving Productivity, Transportation Ergonomics, Macro Ergonomics, Cognitive Ergonomics



Dr Jawar Singh

PhD from University of Bristol, UK

VLSI, Low power system design, Nano CMOS and TFET SRAMs, Process variation and fault tolerant SRAM design, Statistical analysis of process variations in Nano-CMOS devices.



Dr Asish Kumar Kundu

PhD from JNCASR

Solid State Physics

ASSISTANT PROFESSORS



Dr Subir Singh Lamba

PhD from IIT Kanpur

Parallel Computing,
Computational Fluid Dynamics,
Hyperbolic IBVP, Spectral
Methods



Dr Mukesh Kumar Roy

PhD from IIT Kanpur

Formation and
characterization of magnetic
nano particles; magnetic
multilayer; immiscible
magnetic alloys, Low Cost
Science Teaching
Methodologies.



Dr Bhupendra Gupta

PhD from IIT Kanpur

Random graphs and its
applications, Stochastic
process, Probability Theory



Dr Rajib Kumar Jha
(Upto 02.06.2014)

PhD from IIT Kharagpur

Video indexing, Motion
detection using optical flow,
Image water marking,
Steagnography, Stochastic
Resonance for images, Image
enhancement using Multi-
Retinex, and newly
developed high pass filtering
approach.



Dr H Chelladurai

PhD from IIT Kanpur

Condition Monitoring, Virtual
Instrumentation and Artificial
Neural Networks



Dr M Amarnath

PhD from IIT Madras

Condition Monitoring and Fault Detection in Rotating Machinery, Acoustics and vibration analysis, Lubricating Oil Tribology, Non destructive testing.



Dr Lokendra Kumar

PhD from IIT Kanpur

Spectral Methods, Parallel Algorithms, Partial Differential Equations, Numerical Linear Algebra



Dr Rajesh Kumar Pandey
(Upto 09.06.2014)

PhD from ITBHU, Varanasi

Wavelet Analysis; Numerical Analysis



Dr Anil Kumar

PhD from IIT Roorkee

Solid State Electronic Material (Semiconductor Device & Material Semiconductor Material & Technology Solid State Device & Technology)



Dr Sraban Kumar Mohanty

PhD from IIT Guwahati

Algorithms for Big-Data, securities issues in cloud computing, Clustering for massive data sets



Dr Mamta Anand

PhD from Banasthali Vidyapeeth

American Transcendentalism, Indian Spiritualism, Gender Studies, Cultural Studies, Concept of Human Identity.



Dr Pavan Kumar Kankar

PhD from IIT Roorkee

Vibrations, Condition
Monitoring, Nonlinear
Dynamics, Soft Computing



Dr Nihar Ranjan Jena

PhD from Banaras Hindu
University

DNA Dynamics, DNA-Protein
Interaction, Enzyme Catalysis,
Protein-Inhibitor Binding &
Drug Design



Dr Vinay Kumar Singh

PhD from IIT Kanpur

Solid State device and Organic
electronics



Dr Sujoy Mukherjee

PhD from IISc Bangalore

Structural Dynamics, Smart
Materials and Structures



Dr Amresh Chand Mishra

PhD from IIT Kharagpur

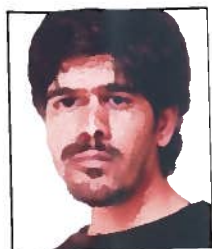
Magnetic thin films, Soft
magnetic materials, Magnetic
transport phenomena



Dr Manoj Singh Parihar

PhD from IIT Delhi

RF and Microwave



Dr Jayesh S. Pillai

PhD from Arts et Metiers Paris
Tech, Angers, France

Visual Communication,
Graphic Design, Cinema,
New Media, Virtual Reality



Dr Sachin Kumar Jain

PhD from IIT Kanpur

Power Electronics, Electric
Drives, Power Systems



Dr Vinod Kumar Jain

PhD from ABV-IIITM Gwalior

Computer Networks, Wireless
Networks, Machine Learning



Dr Matadeen Bansal

PhD from ABV-IIITM Gwalior

Wireless Communications &
Networking



Dr Anurag Singh
(Upto 11-12-2014)

PhD from IIT Kanpur

Complex Networks



Dr Nihar Kumar Mahato
(on contract)

PhD form IIT Kharagpur

Applied Functional Analysis
and optimization



Dr Manoj Kumar Panda

PhD from IIT Kanpur

Fluid Dynamics, Numerical
Analysis



Dr Neeraj Kumar Jaiswal

PhD from ABV-IIITM Gwalior

Applied Physics



Dr Varun Bajaj

PhD from IIT Indore

Biomedical Signal Processing
(PhD), Microelectronics and
VLSI design (M.Tech)



Dr Manish Kumar Bajpai

PhD from IIT Kanpur

Parallel Algorithms,
Image Reconstruction



Dr Mohd Zahid Ansari

PhD from Inha University, Korea

Mechanical Engineering,
Design, Solid Mechanics,
Manufacturing



Dr Sangeeta Pandit

PhD from IIT Guwahati

Ergonomics and work
Physiology



Dr Ruchir Gupta

PhD from IIT Kanpur

Computer Science &
Engineering



Dr Ayan Seal

PhD from Jadavpur University

Computer Science &
Engineering



Mr Akio Haga

Japanese Language



Dr Vineeta Kaur Saluja

PhD from RDVV Jabalpur

English Language and
Literature

VISITING FACULTY



Mr K K Balakrishnan

Pursuing PhD from IIT Guwahati
Industrial Design, Sustainable
Design, Product Service
Systems, Art & Design



Mr Shekhar Chaterjee

Pursuing PhD from Gujarat
University

Drawing & Representation,
Design Skill, Soft Materials
Exploration, Pattern
Development, Lifestyle
accessory products.



RESEARCH ENGINEERS



Mr Awadesh Kumar Singh ME From Asian Institute of
Technology Thailand

Mechatronics, Design of
MEMS Devices



Mr K.K. Soundra Pandian Pursuing PhD from IIT Patna

Electronics & Communication,
Instrumentation, Embedded
Programming, Mechatronics



Mr D S Ramteke M Tech from IIT Guwahati

Machine Design, Rotor
dynamics



Dr Biswajeet Mukherjee PhD from IIT Bombay

Microwave Electronics



Mr Saket Saurav BE from RGPV Bhopal

Robotics, Embedded C/C++
and VB/VB. NET Programming



Mohd. Sharique Husain BE from RGPV, Bhopal

Database Management System



OFFICE ADMINISTRATION

Group 'A' Officers



Mr R P Dwivedi
MCA, MPM, LLB

Registrar
Secretary BOG, Senate
First Appellate Authority (RTI)



Mr Prabodh Pandey
MSc, MPM

Deputy Registrar
Finance and Account
Public Information Officer



Smt S D Gadekar
MBA

Deputy Registrar
Academics
Students Affairs
(From 11.08.2014)



Mr Vijay Kumar Dubey
Civil Engineering, MBA

Executive Engineer (Civil)



Mr Naresh Joshi
MSc

Assistant Registrar
Internal Audit
General Administration



Mr Rizwan Ahmed
MSc, PGDHRM

Assistant Registrar
Establishment
Purchase & Stores



Mr Santosh Mahobia
MBA

Assistant Registrar
Directorate
Faculty Affairs
Official Language Officer



Ms Menika Patel
MLib

Assistant Librarian



STAFF MEMBERS

Group 'B' Employees

S. No.	Name	Designation
1.	Shri R K Mishra	JE(Civil)
2.	Shri Sunil Jat	JE (Civil)
3.	Shri Ashok Kumar	Jr. Superintendent
4.	Shri Aloysius Beenu Michael	Sr. Stenographer
5.	Ms Megha Kushwah	Sr. Information Library Assistant

Group 'C' Employees

S. No.	Name	Designation
1.	Shri Sandeep Awasthi	UDC
2.	Shri Anil Kumar	UDC
3.	Shri Shailesh Sharma	UDC
4.	Shri Praveen Armo	UDC
5.	Shri Dev Krishna Jha	Dy. Account Assistant
6.	Smt Sapna Tayade	Library Assistant
7.	Shri Kamlesh S Warkade	Care Taker
8.	Shri Jitendra Bahadur Singh	Security Assistant (From 01.08.2014)
9.	Shri Akhilesh Shrivastava	TA
10.	Shri Alok Kulkarni	TA
11.	Smt Bharti Kewat	TA
12.	Shri Rajesh Kumar Singh	TA
13.	Shri Brajesh Kumar	TA (Upto 09.10.2014)
14.	Shri Piyush Kumar Usretthe	TA
15.	Shri Anup Bajpai	TA
16.	Shri Ghanshyam Meshram	TA
17.	Shri Mayur S Mungole	TA
18.	Shri Anupam Shukla	TA



19.	Shri Rajveer	TA (Upto 26.11.2014)
20.	Shri Varun Dubey	LA
21.	Shri Jagat Singh	LA
22.	Smt Aayesha B Mansoori	LA
23.	Shri Ram Dularey Vishwakarma	LA
24.	Shri Robinson George Markam	LA
25.	Shri Anupkumar Gupta	LA
26.	Shri Tabish Khan	LA
27.	Shri Manoj Tigga	LA
28.	Shri Simantakar Gupta	LDC
29.	Shri Pankaj Prajapati	LDC
30.	Shri Avashesh Kumar Pal	LDC
31.	Shri Prashant Agnihotri	LDC
32.	Shri Dilip Rangare	LDC (Upto 02.09.2014)
33.	Shri Rajesh Kumar	LDC
34.	Shri Adesh Kumar	LDC
35.	Shri Kanhaiya Lal Barmaiya	LDC
36.	Shri Rajesh	LDC
37.	Shri Mohd. Izrael Khan	Driver
38.	Shri Ganesh Prasad Kashyap	Driver
39.	Shri Milind P Bopde	Electrician



ACADEMIC AND 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 given the status of 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 PDPDM 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

Undergraduate programmes- The Institute has a unique undergraduate curriculum for imparting education in the following three disciplines of engineering-

- (i) Computer Science and Engineering
- (ii) Electronics and Communication Engineering
- (iii) Mechanical Engineering

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

- (I) Computer Science and Engineering (CSE)
- (ii) Electronics and Communication Engineering (ECE)
- (iii) Mechanical Engineering (ME)

In addition, the Institute also offers M. Tech. in Mechatronics, Master of Design and Ph.D. Programme in Design, PhD Programme in Natural Sciences (Mathematics and Physics)



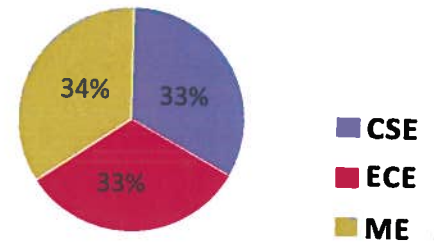
B. Tech. Programme

Students Enrolment

2011 Batch

Branch	OP	OBC	SC	ST	Total
CSE	45	19	08	06	78
ECE	39	22	10	06	77
ME	42	22	10	07	81
Total					236

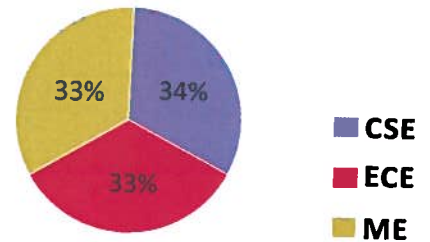
B.Tech. 2011 batch-Branch wise enrolment- Total Students 236



2012 Batch

Branch	OP	OBC	SC	ST	Total
CSE	45	23	12	04	84
ECE	35	25	12	08	80
ME	39	23	13	07	82
Total					246

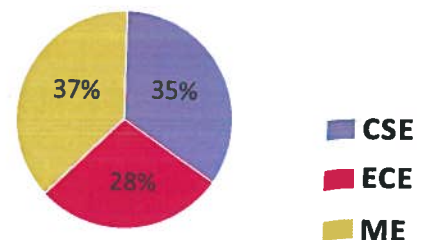
B.Tech. 2012 batch-Branch wise enrolment- Total Students 246



2013 Batch

Branch	OP	OBC	SC	ST	Total
CSE	37	25	10	05	77
ECE	30	17	09	06	62
ME	41	25	11	06	83
Total					222

B.Tech. 2013 batch-Branch wise enrolment- Total Students 222

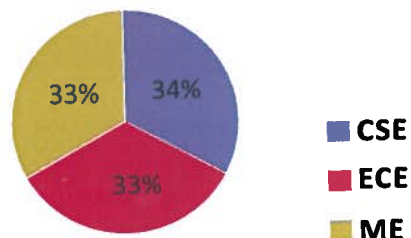




2014 Batch

Branch	OP	OBC	SC	ST	Total
CSE	42	24	13	07	86
ECE	44	24	11	06	85
ME	44	23	13	06	86
Total					257

B.Tech. 2014 batch-Branch wise enrolment- Total Students 257



Academic Performance Evaluation Committee Report – Undergraduate Semester II (2013-14)

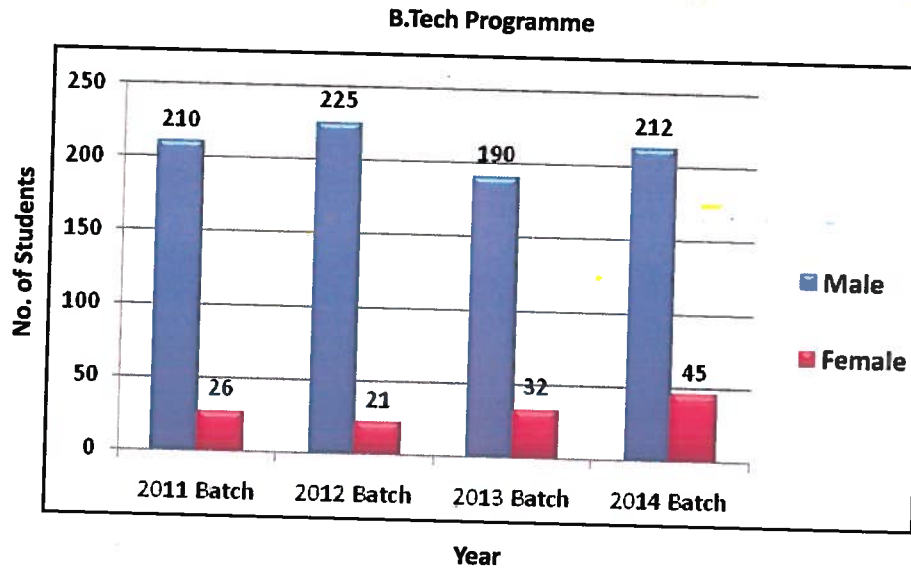
Batch	No. of Students	No. of Students passed	No. of Students Terminated
2011	239	236	03
2012	251	242	09
2013	227	223	04

Academic Performance Evaluation Committee Report – Undergraduate Semester I (2014-15)

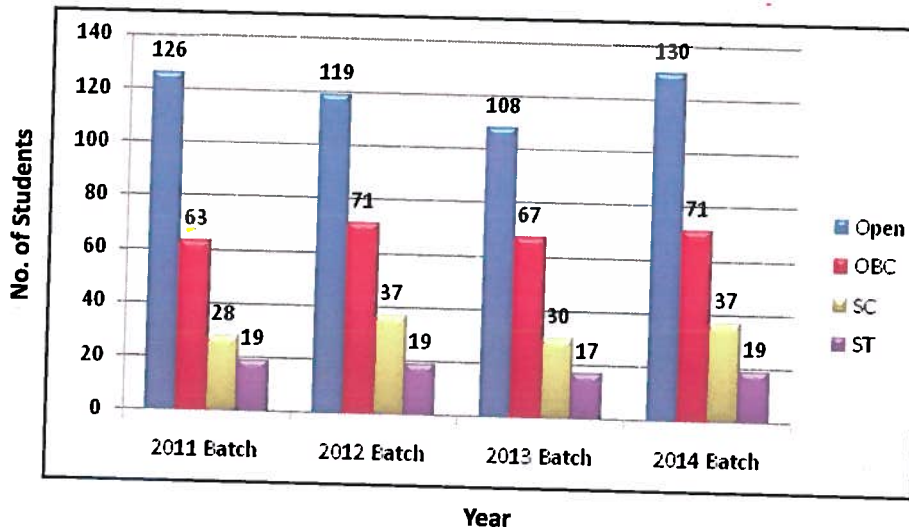
Batch	No. of Students	No. of Students passed	No. of Students Terminated
2011	236	236	00
2012	246	243	03
2013	222	220	02
2014	257	252	05



(I) Graph Showing Status of Male & Female Students in the Under Graduate programme



(II) Graph Showing status of Category wise Students in Under Graduate Programme





Post Graduate Programmes

Institute offers Master's degree programmes in:

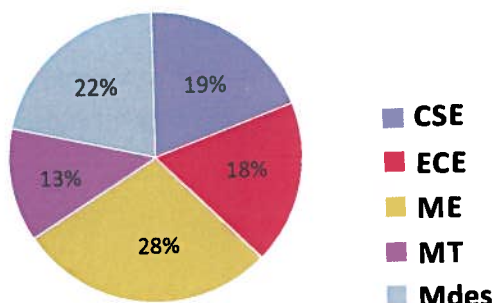
(a) **M.Tech.**

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

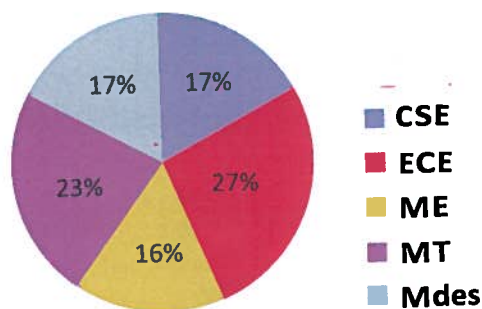
(b) **M.Des. Master of Design**

Students Enrolment

M.Tech 2014-batch-Branch wise enrolment - Total Students - 88



M.Tech. 2013-batch-Branch wise enrolment - Total Students - 52



2014 Batch

Branch	OP	OBC	SC	ST	Total
CSE	09	05	02	01	17
ECE	08	03	03	02	16
ME	13	06	04	02	25
MT	06	02	02	01	11
MDes	10	05	02	02	19
Total	46	21	13	08	88

2013 Batch

Branch	OP	OBC	SC	ST	Total
CSE	06	01	01	01	09
ECE	07	03	03	01	14
ME	04	03	01	00	08
MT	08	02	01	01	12
MDes	03	01	04	01	09
Total	28	10	10	04	52



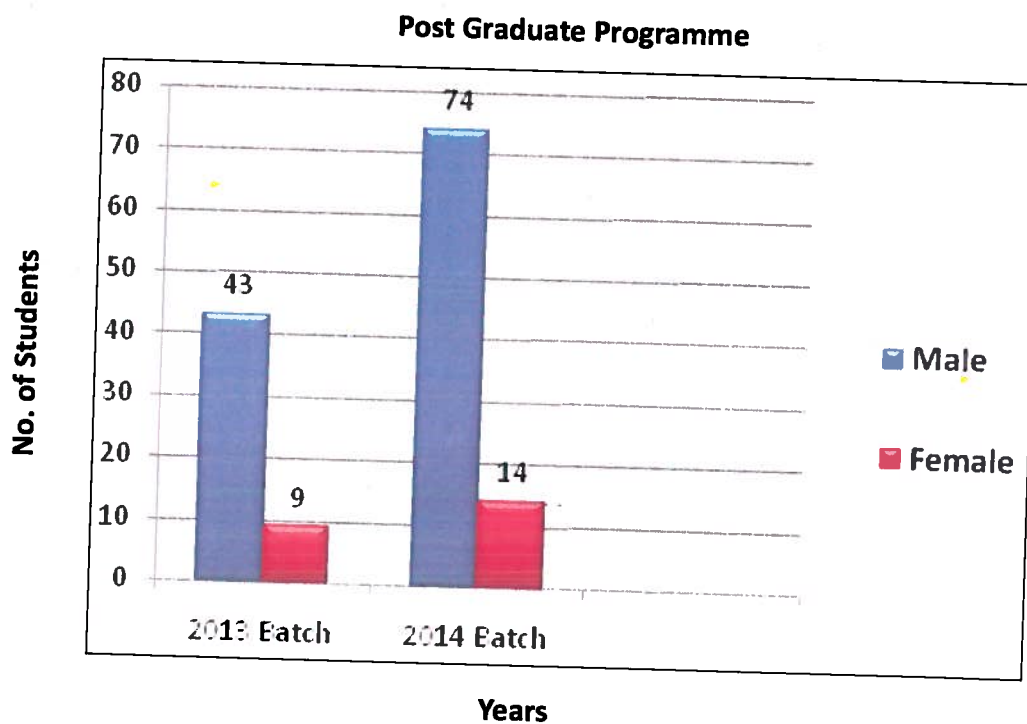
**Academic Performance Evaluation Committee Report
Semester II (2013-14) Post Graduate**

Batch	No. of Students	No. of Students passed	No. of Students Terminated
2012	53	52	01
2013	52	52	00

**Academic Performance Evaluation Committee Report
Semester I (2014-15) Post Graduate**

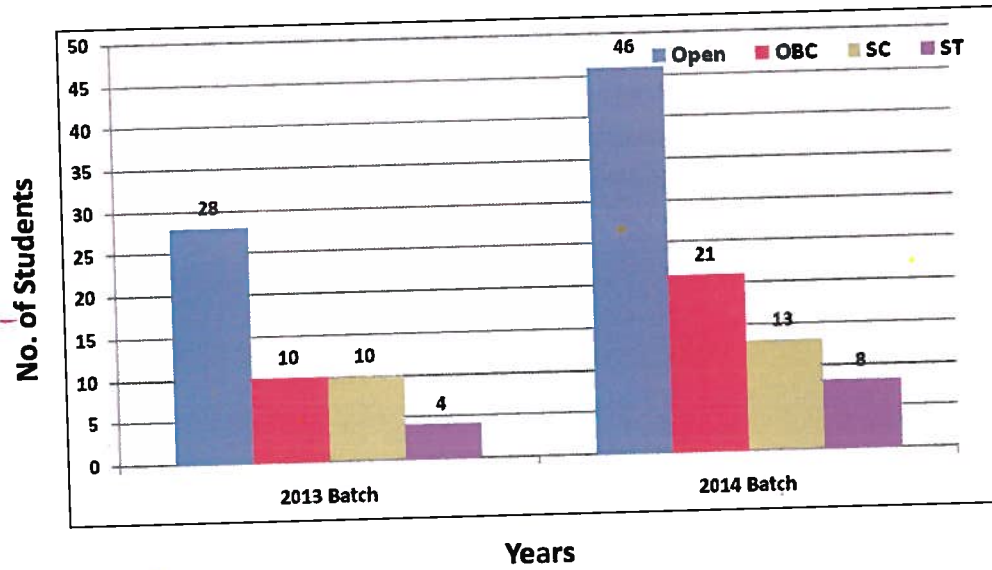
Batch	No. of Students	No. of Students passed	No. of Students Terminated
2013	52	50	02
2014	88	72	16

(i) Graph Showing Status of Male & Female Students in Post Graduate programme





(II) Graph Showing Status of Category wise Students in Post Graduate programme





Ph. D. Programme

The Institute offers Ph.D. in

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

Students Enrolment in Ph.D.

2008 Batch

Branch	OP	SC	ST	Total
CSE	01	00	00	01
ECE	00	00	00	00
ME	00	00	00	00
Design	00	00	00	00
Total	01	00	00	01

2009 Batch

Branch	OP	SC	ST	Total
CSE	01	00	00	01
ECE	01	00	00	01
ME	01	00	00	01
Design	00	00	00	00
Total	03	00	00	03

2010 Batch

Branch	OP	SC	ST	Total
CSE	03	00	00	03
ECE	00	00	00	00
ME	02	01	00	03
Design	00	00	00	00
Total	05	01	00	06

2011 Batch

Branch	OP	OBC	SC	ST	Total
CSE	04	01	01	00	06
ECE	06	01	03	00	10
ME	05	02	02	00	09
Design	01	00	01	00	02
Total	16	04	07	00	27

2012 Batch

Branch	OP	OBC	SC	ST	Total
CSE	03	01	00	00	04
ECE	05	02	02	01	10
ME	03	00	00	00	03
Design	00	00	00	00	00
Total	11	03	02	01	17



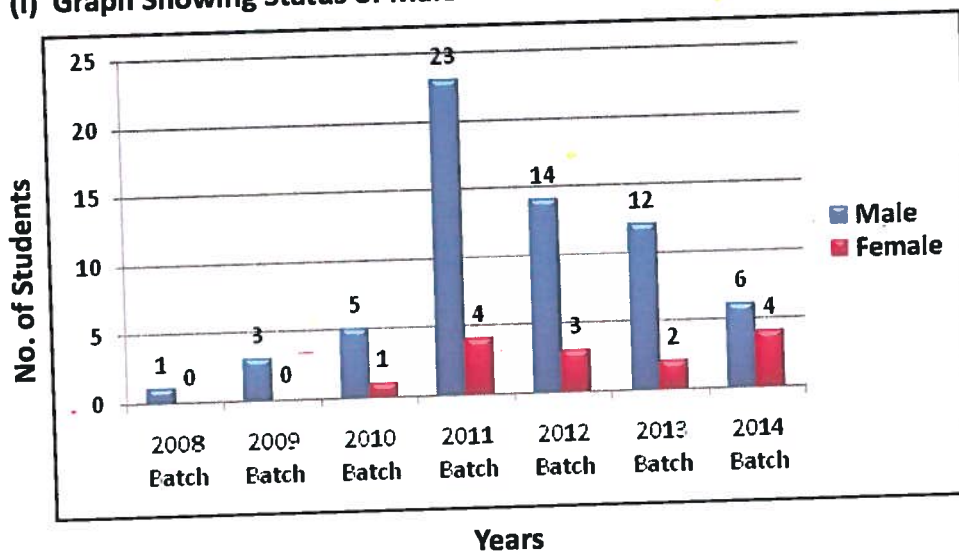
2013 Batch

Branch	OP	OBC	SC	ST	Total
CSE	02	01	00	00	03
ECE	07	00	01	00	08
ME	02	00	00	00	02
Design	00	00	01	00	01
NS	00	00	00	00	00
Total	11	01	02	00	14

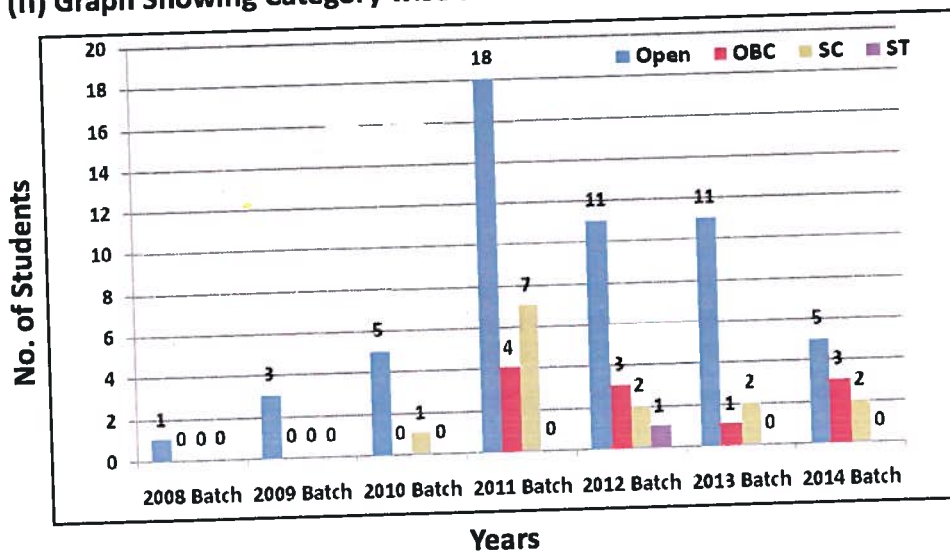
2014 Batch

Branch	OP	OBC	SC	ST	Total
CSE	02	00	00	00	02
ECE	01	01	02	00	04
ME	02	02	00	00	04
Design	00	00	00	00	00
NS	00	00	00	00	00
Total	05	03	02	00	10

(I) Graph Showing Status of Male & Female Students in PhD programme



(II) Graph Showing Category wise status for PhD programmes





RESEARCH PROJECTS 2014-15

Research Projects Approved/Completed/Ongoing

S. No.	Project Title	Duration	Investigator	Funding Agency	Amount in ₹	Status
1	Constrained Curve Drawing Algorithms for Robot Motion Planning	2010-13	PI: Prof A Ojha Co- PI: Prof T Sheorey	DST, Ministry of Science & Technology, Government of India	9.23 Lakhs	Completed
2	Virtual Lab on Manufacturing Processes	2010-12	PI: Prof V K Gupta Co-PI(s): Prof Puneet Tandon, Prof T Sheorey	MHRD, Govt. of India	40 Lakhs	Ongoing
3	Virtual Lab on Automated System	2010-12	PI: Prof T Sheorey Co-PI(s): Prof V K Gupta, Prof Puneet Tandon	MHRD, Govt. of India	40 Lakhs	Ongoing
4	Brain Control Mobile Robot	2012-14	PI: Dr P K Padhy Co-PI: Prof V K Gupta	DST, Ministry of Science & Technology, Government of India	18.50 Lakhs	Completed
5	Process Development for the Fabrication of Free Form Component Through Incremental Sheet forming	2012-15	PI: Prof Puneet Tandon, Co-PI: Dr P K Jain	BRNS, Department of Atomic Energy, Government of India	78.45 Lakhs	Ongoing
6	Wavelets and Operational Matrix based Techniques for Integral and Differential Equations	2012-15	PI: Dr Rajesh K Pandey	DST, Ministry of Science & Technology, Government of India	10.22 Lakhs	Transferred to IIT BHU
7	Production on Course Ware E- Content Development For Post-Graduate Subjects (E-PG-Pathshala)	2012-14	PI: Prof A Ojha	University Grants Commission, New Delhi	112.00 Lakhs	Completed
8	Time -Varying Harmonics and Interharmonics Estimation In Real Time for Online Applications	2013-16	PI: Dr Sachin Kumar Jain	Science and Engineering Research Board (SERB), New Delhi	19.75 Lakhs	Ongoing



9	Development of Additive-Subtractive Integrated RP System for Improved Part Quality	2014-17	PI: Dr P K Jain Co-PI: Prof Puneet Tandon	Science and Engineering Research Board (SERB), New Delhi	19.50 Lakhs	Ongoing
10	Design of Stove /Chulla for Rural Masses of India	2014-15	PI: Prof Puneet Tandon	Design Clinic Scheme for MSMEs, NID, Ahmedabad	1.50 Lakhs	Ongoing
11	Electrodeposition of magnetic film in the presence of external magnetic field	2015-18	PI: Dr Amaresh Chandra Mishra	Science and Engineering Research Board (SERB)/DST, New Delhi	27.43 Lakhs	Ongoing



RESEARCH PUBLICATIONS 2014-15

Research Publication in Conference Proceedings 2014-15

1. Kumar, P., Nema, S., Padhy, P.K. Design of Fuzzy Logic based PD Controller using cuckoo optimization for inverted pendulum (2015) *Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014*, art. no. 7019346, pp. 141-146.
2. Sahu, G., Chaurasia, N., Suwalka, P.P., Bajaj, V., Kumar, A. HHT based features for discrimination of EMG signals (2015) *Advances in Intelligent Systems and Computing*, 340, pp. 95-103.
3. Gupta, N., Singh, A., Cherifi, H. Community-based immunization strategies for epidemic control (2015) *2015 7th International Conference on Communication Systems and Networks, COMSNETS 2015 - Proceedings*, art.no. 7098709.
4. Singh, K.K., Bajpai, M.K., Pandey, R.K. A novel approach for edge detection of low contrast satellite images (2015) *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 40 (3W2), pp. 211-217.
5. Arora, V., Mulaveesala, R., Subbarao, G.V. Non-destructive testing of steel sample by non-stationary thermal wave imaging (2015) *International Conference on Signal Processing and Communication Engineering Systems - Proceedings of SPACES 2015, in Association with IEEE*, art. no. 7058212, pp. 527-530.
6. Gehlot, M., Kumar, Y., Meena, H., Bajaj, V., Kumar, A. EMD based features for discrimination of focal and non-focal EEG signals (2015) *Advances in Intelligent Systems and Computing*, 340, pp. 85-93.
7. Dua, G., Subbarao, G.V., Mulaveesala, R. Testing and evaluation of glass fiber reinforced polymers by thermal wave imaging (2015) *International Conference on Signal Processing and Communication Engineering Systems - Proceedings of SPACES 2015, in Association with IEEE*, art. no. 7058211, pp. 522-526.
8. Upadhyay, R., Padhy, P.K., Kankar, P.K. Alcoholism diagnosis from EEG signals using continuous wavelet transform (2015) *11th IEEE India Conference: Emerging Trends and Innovation in Technology, INDICON 2014*, art. no. 7030476.
9. Rathore, S.S., Gupta, A. A comparative study of feature-ranking and feature-subset selection techniques for improved fault prediction (2014) *ACM International Conference Proceeding Series*.
10. Tiwari, R., Kankar, P.K., Gupta, V.K. Fault diagnosis of ball bearings using support vector machine and adaptive neuro fuzzy classifier (2014) *Advances in Intelligent Systems and Computing*, 236,



pp. 1477-1482.

11. Kashyap, N., Dinesh Kumar, V. Archimedean spiral antenna loaded with dielectric plates (2014) *2014 Loughborough Antennas and Propagation Conference, LAPC 2014*, art. no. 6996501, pp. 740-743.
12. Mulaveesala, R., Arora, V., Siddiqui, J.A., Muniyappa, A. Non-stationary thermal wave imaging for nondestructive testing and evaluation(2014) *Proceedings of SPIE - The International Society for Optical Engineering*, 9105, art. no. 91050R.
13. Sharma, A., Amarnath, M., Kankar, P.K. Effect of varying the number of rollers on dynamics of a cylindrical roller bearing (2014) *Proceedings of the ASME Design Engineering Technical Conference*, 8.
14. Gupta, N., Singh, A. A novel strategy for link prediction in social networks (2014) *CoNEXT Student Workshop 2014 - Proceedings of the 2014 Workshop*, pp. 12-14.
15. Tiwari, S., Gupta, A. Does increasing formalism in the use case template help?(2014) *ACM International Conference Proceeding Series*.
16. Rao, N., Kumar V., D. Gain enhancement of microstrip patch antenna for Wi-Fi applications (2014) *2014 Loughborough Antennas and Propagation Conference, LAPC 2014*, art. no. 6996384, pp. 312-315.
17. Vishwakarma, A., Kumar, A., Singh, G.K. An optimized design of prototype filter for cosine modulated transmultiplexer(2014) *International Conference on Communication and Signal Processing, ICCSP 2014 - Proceedings*, art.no. 6949828, pp.200-204.
18. Soni, S., Khanna, P. and Tandon, Puneet, "Computational support to aesthetics in industrial design", CAD'14, 2014 International CAD Conference, Hong Kong, China, June 23-26, 2014, pp. 204-205, 10.14733/cadconfP.2014.
19. Pandey Shreelekha and Khanna Pritee, "A Hierarchical Clustering Approach for Image Datasets", ICIIS 2014, IEEE 9th International Conference on Industrial and Information Systems, Gwalior, India, December 15-17, 2014, pp. 1-6.
20. Tamrakar Deepti, Khanna Pritee, "Multispectral Palmprint Recognition using Steerable Filter", ICIIS 2014, IEEE 9th International Conference on Industrial and Information Systems, Gwalior, India, December 15-17, 2014, pp. 1-5.
21. Rai Preeti, Khanna Pritee, "Appearance based Gender Classification with PCA and (2D)²PCA on Approximation Face Image", ICIIS 2014, IEEE 9th International Conference on Industrial and Information Systems, Gwalior, India, December 15-17, 2014, pp. 1-6.
22. Dr Mamta Anand: May, 2014- Presented Paper on Gender Tectonics, at IJAS International Conference at Harvard University, USA.

Publications in Peer Reviewed Journals 2014-15



1. Naugarhiya, A., Kondekar, P.N. High permittivity material selection for design of optimum Hk VDMOS (2015) *Superlattices and Microstructures*, 83, pp. 310-321.
2. Pandey, S., Khanna, P., Yokota, H. An effective use of adaptive combination of visual features to retrieve image semantics from a hierarchical image database (2015) *Journal of Visual Communication and Image Representation*, 30, pp. 136-152.
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5. Bhandari, A.K., Kumar, A., Singh, G.K., Soni, V. Dark satellite image enhancement using knee transfer function and gamma correction based on DWT–SVD (2015) *Multidimensional Systems and Signal Processing*, 24 p. Article in Press.
6. Patel, D., Tandon, P. Experimental investigations of thermally enhanced abrasive water jet machining of hard-to-machine metals (2015) *CIRP Journal of Manufacturing Science and*



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Title: *Treasure a Tear- Stories and Poems* (Nov- 2014) By Dr Mamta Anand . Published by Authorspress, New Delhi.

Book Chapters:

1. Formation of DNA Lesions, its Prevention and Repair NR Jena, N Agnihotri, PC Mishra Application of Computational Techniques in Pharmacy and Medicine, Springer, 2014, 59-94.



CONVOCATION 2014

The Sixth Convocation of PDPM IIITDM Jabalpur was held on August 08, 2014. The occasion was graced by Chief guest Dr K Kasturirangan Former Chairman, ISRO & Guest of honour Shri Ajai Chowdhry Founder HCL & Prof S V Raghavan, Scientific Advisor to the Govt. of India and Chairman Board of Governors of the Institute. Parents and guardians of the graduating students and important dignitaries from the city of Jabalpur also attended the event. On this auspicious occasion IIITD&M Jabalpur awarded Honoris Causa to Shri Ajai Chowdhry.

Total numbers of degrees awarded were 257 (230-BTech., 25-MTech. and 02-PhD). Branch wise details of award of degrees are as follows -

Bachelor of Technology (B. Tech.)

S.No	Discipline	Total
1	Computer Science & Engineering	76
2	Electronics & Communication Engineering	75
3	Mechanical Engineering	79
Total		230

Master of Technology (M. Tech.)

S.No	Discipline	Total
1	Computer Science & Engineering	07
2	Electronics & Communication Engineering	07
3	Mechanical Engineering	05
4	Mechatronics Engineering	06
5	Design	00
Total		25

Doctor of Philosophy (Ph.D.)

S.No	Discipline	Total
1	Computer Science & Engineering	01
2	Mechanical Engineering	01

Ap art from this following medals and prizes were also awarded for the outstanding performance of the students



S. No.	Name of Medal/Prize	Name of recipient	Criterion
1	Chairman's Gold Medal for the year 2014	Harpreet Kaur Makan	Best Academic Performance in Graduating Class among all Discipline of the Undergraduate Programme
2	Director's Gold Medal	Aniket Kumar	Best All round Performance in Graduating Class among all Discipline of the Undergraduate Programme
3	Director's Silver Medal	Devesh Ahuja	Outstanding Performance in Cultural Activities in the Graduating Class among all Disciplines of the Undergraduate Programmes of study
3	Director's Silver Medal	Abhishek Kumar Singh	Outstanding Performance in Games and Sports in the Graduating Class among all Disciplines of the Undergraduate Programmes of study
5	D & M Proficiency Gold Medal	Surbhi Dwivedi Harshit Kumar Gupta Prashant Tripathi Sakshi Gupta Hemant Malik Vinita Sharma Saurabh Dwivedi	Best Cross- disciplinary project in all disciplines of the under graduate programme
4	IIITDM Proficiency Prizes	Rajeshwar Agrawal	Best Project in the Computer Science and Engineering discipline of the Undergraduate Programme of study
5	IIITDM Proficiency Prizes	Harshit Kumar Shukla	Best Project in the Mechanical Engineering discipline of the Undergraduate Programme of study
6	IIITDM Proficiency Prizes	Shubhi Sharma	Best Thesis work in Computer Science and Engineering discipline of the Postgraduate Programme of study
7	IIITDM Proficiency Prizes	Neelesh Gupta	Best Thesis work in Electronics & Communication Engineering discipline of the Postgraduate Programme of study
8	IIITDM Proficiency Prizes	Atul Kumar Gupta	Best Thesis work in Mechanical Engineering discipline of the Postgraduate Programme of study
11	Academic Performance Proficiency Silver Medal	Ginni Gidwani	Outstanding Academic Performance in the Computer Science and Engineering Discipline of the Postgraduate Programme study
12	Academic Performance Proficiency Silver Medal	Harpreet Kaur Makan	Outstanding Academic Performance in the Electronics & Communication Engineering Discipline of the undergraduate Programme study



Convocation 2014: Academic Procession



Shri Ajai Chowdhari being honored with Honoris Causa



Student Harpreet Kaur Makan receiving Gold Medal
from the Chairman BOG, Prof S V Raghavan



Student Ankit Dixit being awarded M.Tech degree
by the Director, Prof Aparajita Ojha



Convocation 2014: Graduating Students



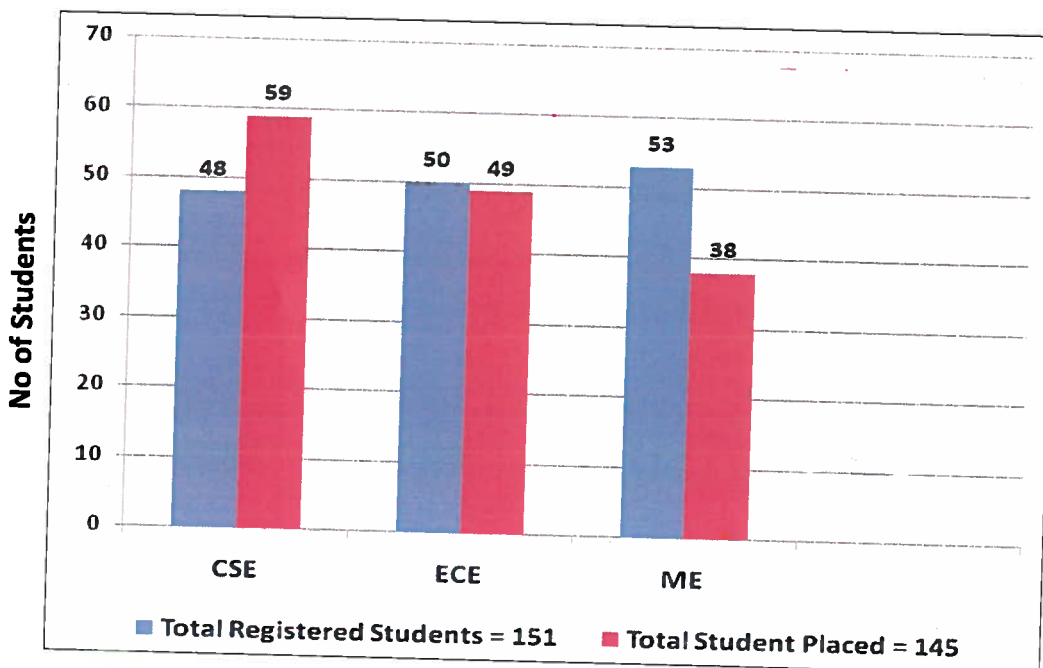
PLACEMENTS OF STUDENTS DURING FY:2014-15

Placements

Undergraduate Students of 2011 Batch availed better placement opportunities this year. More than 35 companies visited our campus and have given offers to our students including Infosys, Oracle, S&P Capital IQ, Yodlee, Sutra Analytics, Persistent, Microsoft, Wipro, AMDOCS, Kubota India, Vassar Labs, Mu Sigma and MHI. About 95% of eligible UG students were placed. We hope, more companies will visit the campus in future to take the benefit of talent pool available here. It is nice to note that this time, giants such as Work Applications Japan, Snapdeal, Brahmos Aerospace came and picked up the talent from the campus.

- Average Salary Package was 7.25 Lakhs
- Unplaced Students went either to pursue Master (MS) abroad, M.Tech, Preparation of GATE & Competitive Exams, Civil Services etc.

Total number of Placement in the year 2014-15



*CSE- In this year 48 students were eligible for placement activities, many students have got multiple offers.



FACULTIES ACHIEVEMENTS IN THE YEAR 2014-15



Prof Puneet Tandon Conference Chair, 2014 International Conference on Mechatronics and Mechanical Engineering (ICMME 2014), Chengdu, China, September 6-8, 2014



Dr Prashant Kumar Jain has been invited by British High Commission as a member of an Inward delegation to UK on 'Additive Manufacturing and 3D Printing' (7-10 July, 14) invited



Mr Biswajeet Mukharjee has been chosen for young Scientist Award at the 31st URSI General Assembly and Symposium to be held at Beijing during August 16-23, 2014. This award is based on one of his research paper.



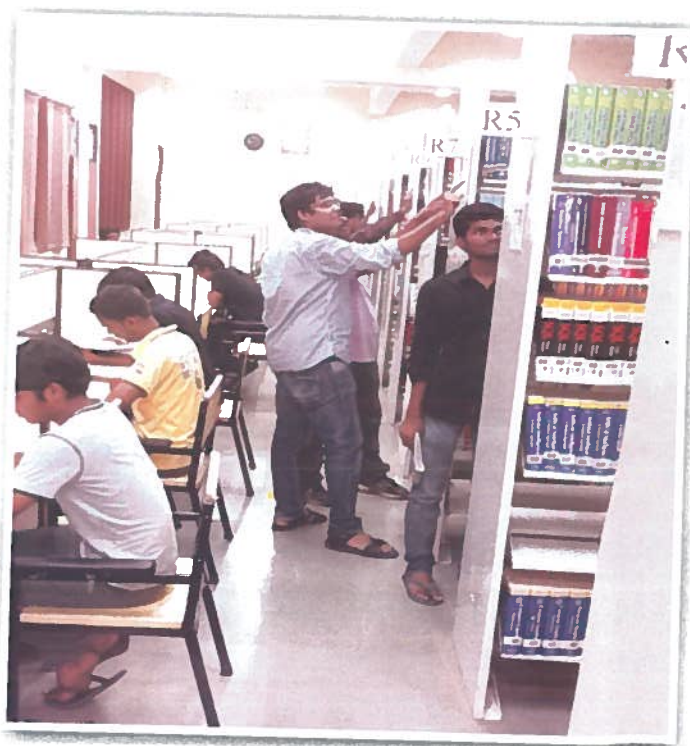
LIBRARY

The Institute library is a hybrid library and provides services in mixed mode, paper and electronic information, particularly in a co-ordinated way. Library is well equipped with integrated library system as well as camera fixed for monitoring the library users.

Library automation software "SOFTGRANTH" is used for various library operations and for providing better library services to the users.

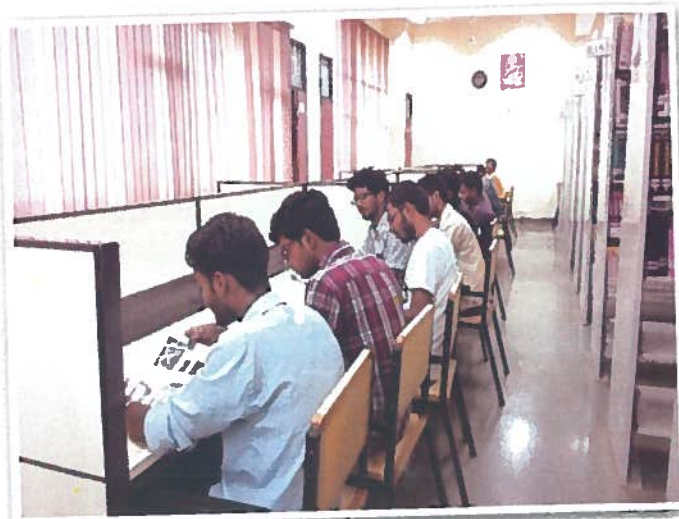
Capacity:

Our Institute library is very spacious and possesses a soothing atmosphere. Total area of library is 234 Sq mtr. and which is divided into two parts, one is stack area (191 Sq mtr.) and another is reference area (43 Sq mtr.). Seating capacity of our Institute library is 100 at a time including 04 Nos. Pcs for use of E-resource and Web OPAC.

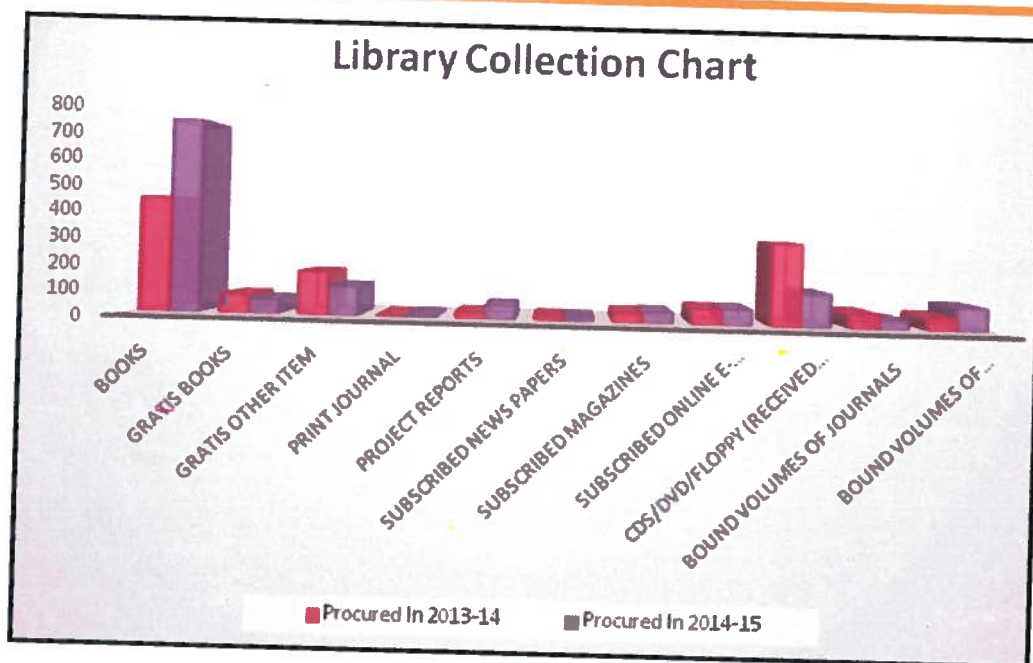


General Collection:

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. The total collection of library as on 1st April 2014 to 31st March 2015 is as follows:



Medium	Collection	In Stock On 31 st March 2013	Procured In 2013-14	Procured In 2014-15	Total stock up to 31-3-2015
Documentary Sources (Print)	Books	10657	460	774	11891
	Gratis Books	147	72	56	275
	Gratis other item	0	174	117	291
	Subscribed Print Journal	2	3	8	13
	Project Reports	49	23	56	128
	Subscribed News Papers	15	16	16	47
	Subscribed Magazines	32	40	43	115
Non Documentary Sources (Non- Print)	Subscribed Online E-Resource (E-Journal)	-	63	64	127
	CDs/DVD/Floppy (Received with Project Reports, Books & Magazines)	1116	335	134	1585
Archives (old)	Bound Volumes of Journals	0	57	34	91
	Bound Volumes of Magazines	0	51	92	143



Graph Showing Status of procurement in FY 2013-14 & 2014-15

Reference Collection:

Institute library has been maintaining a separate reference section. In various type of reference collections are provide to the users and fulfil the reference query.

Sl. No.	Reference Source	Total Quantity
1.	Encyclopaedia	122
2.	Directories	04
3.	Hand book	169
4.	Dictionaries	43
5.	Conference Proceedings	13
6.	Statistical Sources	21
7.	Annual Report	18
8.	Year Book	04
9.	Atlas	02
10.	Manual	03
11.	World Records	02

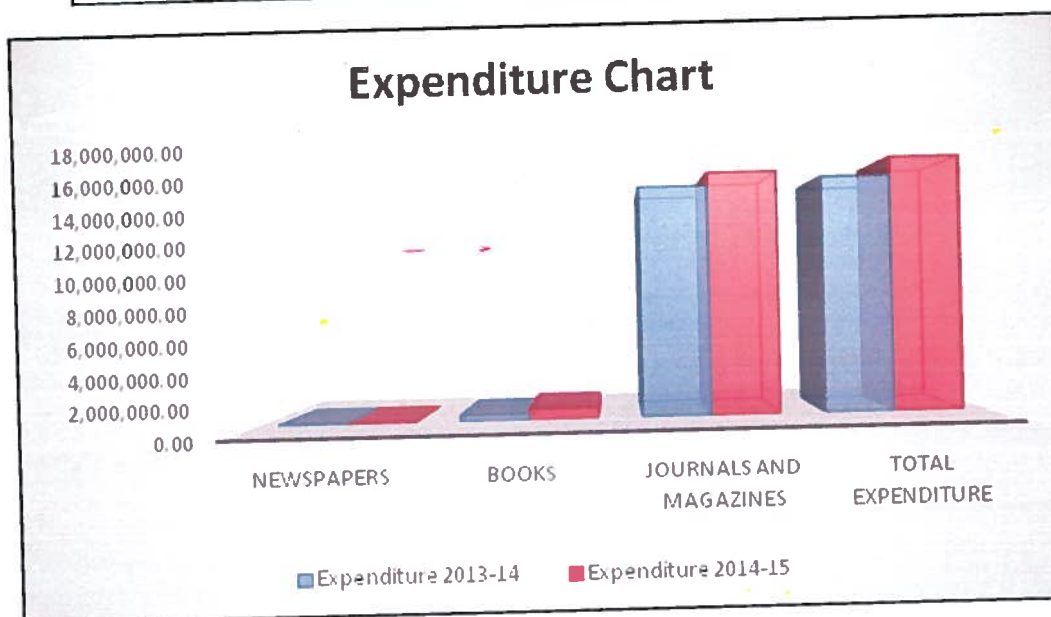


Library Services:

1. Online Services/ Information / Downloads are available on Intra web.
2. Reference Services: It is personal assistance to users in locating and finding information or document of their choice.
3. Information Alert Services: Library time to time alert to the users about every latest information regarding:
 - A) List of new arrivals of books.
 - B) List of new E-Resources.
 - C) Display of news items.
 - D) Display of faculty and Student's publications.
 - E) Display of forthcoming Conferences, other National and International events.
4. **Newspaper Clipping Services:** Library also preserved Institute related news published in newspaper subscribed by Institute as a clipping for future use and information.

Details of Expenditure

Sl. No.	Items	Expenditure 2014-15
1.	Books	Rs. 7,57,588.00 (Approx.)
2.	Journals and Magazines	Rs. 1,66,86,294.66 (Approx.)
3.	Newspapers	Rs. 13,911.00 (Approx.)
	Total	Rs. 174,57,793.66 (Approx.)



Graph Showing Status of Expenditure incurred in FY 2013-14 & 2014-15



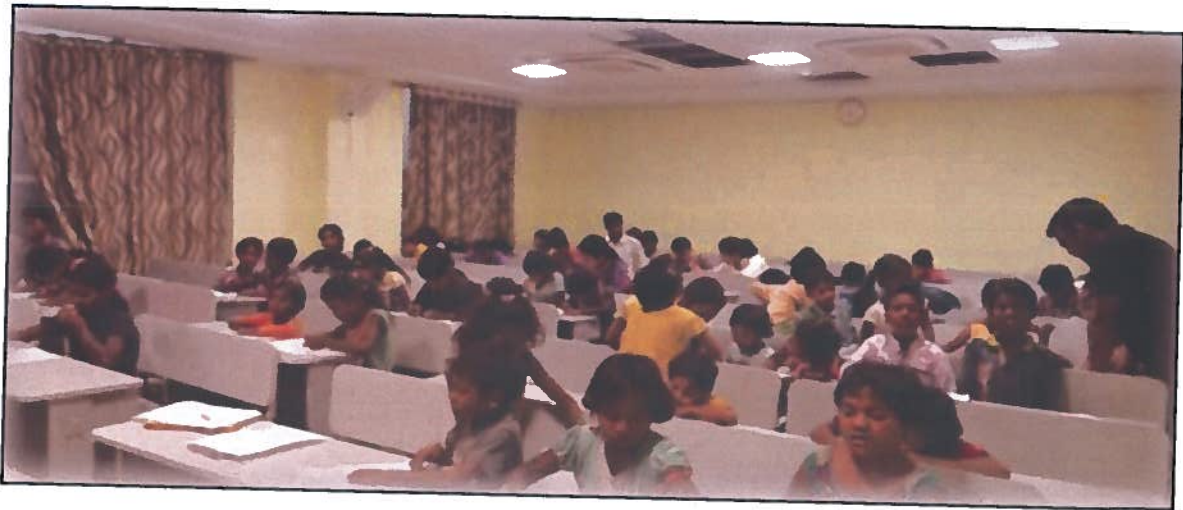
SOCIAL RESPONSIBILITY

(I) Jagrati Club:

The students of IIITDM Jabalpur formed a group in the name of Jagrati. JAGRATI promotes the education in villages, give way of changing life of village children with education.

During the year, following activities were conducted by the Jagrati:

- **Organize daily classes:** Jagrati organises daily classes for the children of near by villages at the Institute. Almost all the subjects like Maths, Science, Drawing, Hindi and English are taught day-wise.



- **Organize Medical camp:** Jagrati organized medical camps in nearby villages specially for old villagers and women.





- **Organize Blood donation camp:** Each year Institute organizes blood donation camp with the help of Jabalpur Red Cross Society. All the government hospitals participate in it, Lady Algin, Victoria and Medical College. The team of Jagrati provides necessary support to the office of the Dean Students in organizing the blood donation camp.



- **Distributions of clothes and stationary items:** Out of pocket money of IIITDM Jabalpur students, Jagrati distributes winter and other clothes and stationary items to the children who are attending the classes.



- **Hygiene and awareness:** Jagrati students are time to time organize session among kids as well as village people to make them aware of personal hygiene, adverse effect of smoking and drinking, etc.
- **Social initiative i.e. plantation drive, cleanliness drive, social awareness rallies:** Team of Jagrati had shown their active participation in the social initiative drives i.e. plantation drive, cleanliness drive, social awareness rallies conducted during the year by the Institute.



- **Celebrating Festivals with Jagrati children:** Jagrati team celebrate various festivals across the year like Rakhi, Diwali, etc, with the children of nearby villages.



- **Organize Art competition:** To provide them chance to show potential, various cultural clubs devote time with the children and make them learn. Jagrati organized art competition for the children of nearby villages. Nukkad Natak (Dramatics club) has been played many times for the nearby villagers as awareness drive.





- **Cultural activities by Jagrati children:** Children of nearby villages who attended classes being organized by the Jagrati, performs cultural activities on the occasion of Republic Day and Independence Day programme.



- **Village visits:** Every year Jagrati add new village. This year Gadheri village has been selected and team Jagrati visited the village many times to collect detailed information about the people of the village and their activities. As the village is slightly far-off, jagrati students are going to the village to teach those kids.
- Institute celebrated "National Education Day" on November 11, 2014 by felicitating students involved in Jagrati activities.



(II) Cleanliness Drive

The Initiative of the Hon'ble Prime Minister of Swachhata Abhiyan was actively participated by students and all employees of the Institute. To mark the beginning of this activity during October 25-31, a cleanliness drive was operated to clean the surroundings of buildings and LHTC area. To sensitize this noble cause, Institute also organized Essay writing & Photo Competition for students and Staff members of the Institute. All students and employees participated in this activity with the slogan - "Swachchha Sansthan - Swasthya Sansthan" (Clean Institute, Healthy Institute).





YEAR ROUND ACTIVITIES

National Education Day

Institute observed National Education Day on 11th November 2014 on the occasion of birth anniversary of Dr. Maulana Abul Kalam Azad. A special programme was organized to celebrate the day in Lecture Hall-102. Prof S V Raghavan, Chairman BOG delivered an inspiring talk on the occasion. Students from Jagrati Club were also felicitated in this event in recognition to their important initiatives and untiring efforts to provide quality education to children of surrounding villages.



Panel Discussion

As a part of the Literature and Arts festival 'Srijan', a panel discussion was organized on January 16, 2015. Theme of this discussion was 'Is freedom of expression a myth!' The panelists were Dr Divya Chansoria, Dean, Dept. of Law, RDVV Jabalpur, Prof Vineeta Kaur Saluja, Professor Language & Literature, IIITDM Jabalpur, Mr Susheel Tiwari, Senior Editor, Dainik Bhaskar, Mr Ashish Pathak, Artist & President of Samagam Rangmandal Jabalpur

Republic Day 2015

On January 26, 2015, the Institute celebrated 66th Republic Day in the Campus. Various cultural programmes were organized by Student Gymkhana. Children's of nearby village Mehgawan who are being educated by Students of IIITDM Jabalpur (under the club Jagrati) performed on this auspicious occasion.

Institute's Director Prof Aparajita Ojha unfurled the tricolour and presented the progress report of the Institute. Programme was concluded by vote of thanks proposed by Registrar Shri R P Dwivedi, followed by distribution of sweets.





Parents Meeting 2014

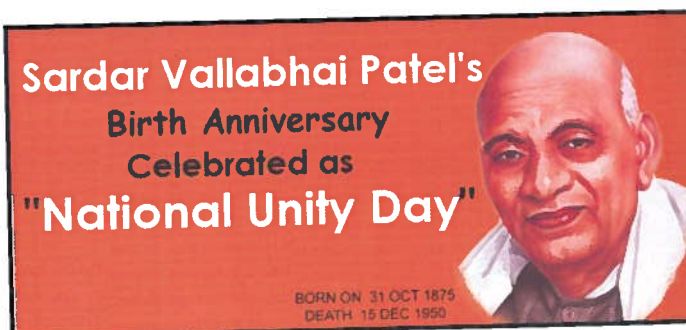
As per the recommendations made by the 2nd Administrative Reforms Committee of Government of India, (a) Citizens have to be involved in the assessment and maintenance of ethics in Government Institutions. (b) Inviting civil societies, enforcing access to information, inviting suggestions etc.



In order to share the best practices followed by the Institute and to get suggestion/feedback on possible areas of refinement/ improvement of services of the Institute, parents of the students studying in the Institute were invited in the meeting.

National Unity Day 2014

The birth anniversary of Sardar Vallabh Bhai the first Home Minister and Deputy Prime Minister of India, was observed as "National Unity Day" on October 31, 2014. All students' faculty, officers and Staff members gathered to take pledged to preserve the unity, integrity and Security of the nation. All members took pledge in the spirit of unification of our country which was made possible by the vision and actions of late Sardar Vallabhbhai Patel.



Independence Day 2014

On August 15, 2014 the Institute celebrated 68th Independence Day in the Campus. Students from B.Tech first year, performed various cultural programmes under Student Gymkhana clubs.



Institute's Director Prof Aparajita Ojha unfurled the tricolour and presented the progress report of the Institute. Programme was concluded by vote of thanks given by Registrar Shri R P Dwivedi, followed by distribution of sweets.



Foundation Day

Foundation stone of the Institute was laid on 7-2-2005 by the then HRM, Govt. of India Late Shri Arjun Singh. To mark the tenth anniversary of Institute's foundation day, Institute organized a dialogue between senior students, faculty, officers and staff with the Directors of four IIITs (Gwalior, Allahabad, Jabalpur and Kancheepuram) on the subject "Vision IIIT".

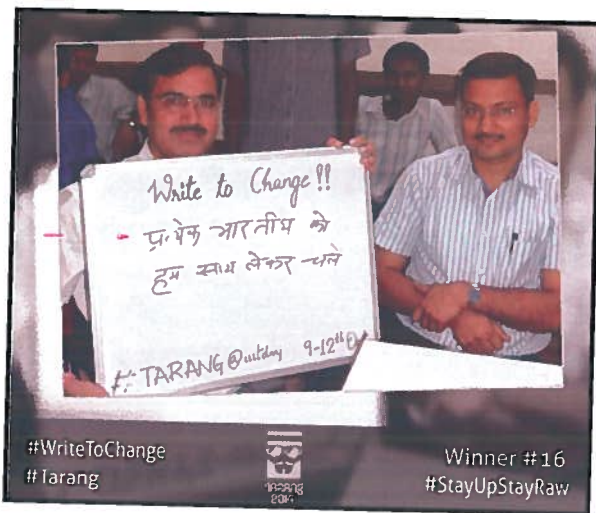
This session was more relevant as the four IIITs come under one umbrella through the enactment of IIIT Act.



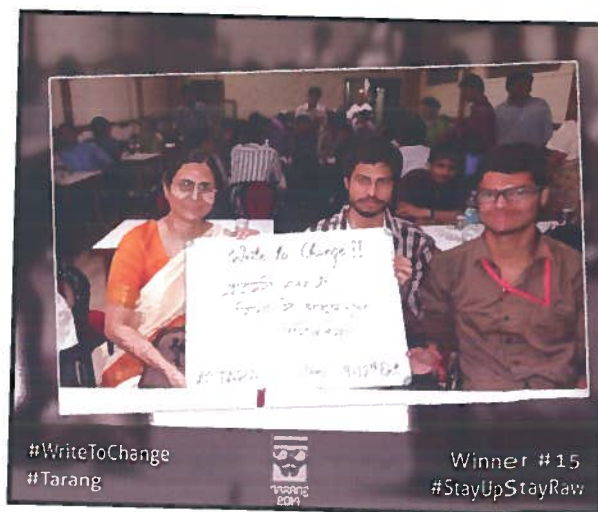
Write to Change- A Special Drive by Students

During the beginning of Tarang 2014, student started one activity which received attraction of many. It was WRITE TO CHANGE initiative.

For the betterment of society, our students approached people of Jabalpur city, faculty & employees of the Institute to write for their ideas to bring the change which they want to see in the country.



Shri R P Dwivedi, Registrar IIITDM
Jabalpur showing his message under
Campaign Write to Change



Prof Aparajita Ojha Director, IIITDM Jaba lpur,
showing her message under Campaign
Write to Change



RECRUITMENTS AND RESIGNATIONS IN F.Y. 2014-15

Members who joined the Institute- April 01, 2014 to March 31, 2015			
Sl. No.	Name	Designation	Date of Joining
01	Dr Manish Kumar Bajpai	Assistant Professor	26.07.2014
02	Dr Ruchir Gupta	Assistant Professor	26.07.2014
03	Dr Vinod Kumar Jain	Assistant Professor	28.07.2014
04	Dr Anurag Singh	Assistant Professor	30.07.2014
05	Prof (Mrs) Vineeta Kaur Saluja	Visiting Professor	11.08.2014
06	Dr Ayan Seal	Assistant Professor	01.09.2014
07	Ms Swapnali D Gadekar	Deputy Registrar	11.08.2014
08	Shri Jitendra Bahadur Singh	Security Assistant	01.08.2014

Members who left the IIITDMJ Family - April 01, 2014 to March 31, 2015			
Sl. No.	Name	Designation	Date of Resignation
01	Dr Rajib Kumar Jha	Assistant Professor	02.06.2014
02	Dr Rajesh Kumar Pandey	Assistant Professor	09.06.2014
03	Dr Anurag Singh	Assistant Professor	11.12.2014
04	Shri Brajesh Kumar	TA	09.10.2014
05	Shri Rajveer	TA	26.11.2014
06	Shri Dilip Rangare	LDC	02.09.2014



STUDENTS' LIFE

The Institute has a residential campus and hence students' life at the campus needs to be supported by good infrastructure and facilities for an overall grooming and development. Students of the Institute actively participate in many extra-curricular activities and they also organize various events. These activities are organized under the umbrella of students' Gymkhana, which is a platform for interaction among students on various fronts. The Gymkhana is self-governed, responsible and accountable students' body under the mentorship of faculty. Students' Gymkhana is governed by the students Senate that is constituted in a democratic way through elections among students. Student Senate members are elected through direct ballot voting among the members of the General Body, every year in the first week of January. Every registered student is by default a member of students' Gymkhana and has the right to vote.

The students' Senate has 2-3 representatives from each batch. There are approximately 50-60 members in the Students' Senate from all batches of UG and PG programme. Various clubs for cultural, sports and Science & Technology work under Students' Gymkhana. The coordinators and co-coordinators are selected based on their skills and past performance in the Institute by the members of that club and duly ratified by Students' Senate. All members of the Students Gymkhana who have their CPI > 6.5 are eligible to make their candidature for the students' Senate. All members of the Students' Gymkhana who have their CPI = 6.0 are eligible to become mentors, coordinators, co-coordinators for various clubs. A senior faculty member designated as Dean, Students, looks after and guides the student's representatives in organizing gymkhana activities throughout the year. Apart from this, three faculty members designated as counsellors, look after various Cultural, Sports and Science & Technology activities as well as various annual festivals organized by the students' Gymkhana. For the year 2014-15, the faculty mentors were as follows-

Dr Sujoy Mukherjee, Cultural Counselor

Dr Neeraj Jaiswal & Dr M K Panda, Technical Counselor

Dr Anurag Singh, Sports Counselor (Upto 11-12-2014)

Dr Nihar Kumar Mahto, Sports Counselor (From 12-12-2014)

Various Clubs constituted under Students Gymkhana Activities

Students have constituted various clubs under three different categories. These categories are (i) Cultural Clubs (ii) Science and Technology Clubs and (iii) Sports clubs. The Institute being a residential campus, students get ample opportunities to enhance their overall personality by participating in these club activities. Students can be member of a number of clubs besides maintaining their academics. The aim of each club is to nurture talent by imparting training and organizing various events to showcase their talents. These training sessions are organized by Gymkhana students during their off time like late evening hours and weekends. Besides, clubs also organize several extra-curricular and co-curricular competitions throughout the year in a planned way. The main objective of the club activities is a holistic development of the students' personality. Moreover, these activities help nurture the social, cultural, sportsman and technical spirit among the students.



A. Cultural Club :

I. Saaz

Music Club is the heart and soul of club activities and is a big hit among students because of its untiring efforts in creating an atmosphere of cultural fusion and festivity in college. Saaz-The Music Club exhibits its entire spectrum of colors during Tarang-The Cultural Fest of institute IIIT DM Jabalpur. It organizes various competitions like AAVEG-The Rock Band Show, Antakshari, Solo Singing, Instrumental Raga etc.



Students performing in an event organized by Saaz Club on January 26, 2015

II. Jazzbaat

A hub for all fun lovers, every year it produces a wide variety of performances ranging from one act plays to street plays and mimes to broad ways and each time it astounds us all with it's creativity and heart winning acts.



Students performing musical drama on January 18, 2015



III. Abhivyakti

The aim of this club is to bridge the gap between the enthusiastic students in expressing their emotions through art, by inculcating the knowledge of the various techniques and methods and to expand their perspective in the field of art. The intention is to develop a mature understanding of art and enjoy it while doing it.

During the year 2014-15 this club has successfully organized its regular sessions, decoration work for Tarang 2014, and its Inter College events.

Sessions-

The first session of the club was held in the month of August for its new members which marked enthusiastic participation from UG 2014 batch. The session was on techniques of fine arts and more dedicated in exposing the budding technocrats towards this colorful world giving them a glimpse of yearlong club activities.

The sessions were on Abstract art and on Techniques of Water & poster color paintings. One more session on Quilling Arts was taken by second year students. An outdoor session on Live Sketching was also organized by the club in Dumna Nature reserve which received quite a good number of new participants apart from the regular club members.



IV. Literary Club

Basic objective of the club to inculcate within its members elite oratory skills, interpersonal skills, interpersonal skills, communication skills needed for personal interviews, group discussions, etc. and, to help the members explore the depths of literary criticism and analysis as well as develop a sense of literary appreciation. Participating in such activities helps students to combat with the fear of stage performance, and helps in their intellectual development.





During 17th - 18th January, 2015 we had successfully organized a 2 day Intra College Arts & Literature fest, "Srijan", which received an overwhelming participation from the inmates of IIITDMJ family and from colleges around the city of Jabalpur. The fest was inaugurated on 16th January, 2015 in the dignified presence of Prof. Aprajita Ojha, Director IIITDM Jabalpur, Director of IIT Indore, Dean Students Prof Tanuja Sheorey, Cultural Counselor Dr. Sujoy Mukherjee and other faculty and staff members.

B. Science & Technology Club:

I. Programming Club

Programming Club is a center for computer enthusiasts, programmers and people who aspire to be either of the two. This fantastic club accepts new members regardless of programming/computer background. This club organizes activities related to Linux, Gnome, and Open Source software in general.



Student activities in programming club

II. Automotive Fabrication Club

One of the most important qualities of the Club is its diversity with students from almost all disciplines of the institute. It provides a platform for students to share and increase their engineering know-how through increased interaction between students at all levels, group activity, lectures, workshops, brainstorming sessions etc.

III. Robotics Club

The main aim of Robotics Club is to develop and stimulate interest in robotics among the students of the Institute. The Club offers indispensable guidance, workshops and tutorials along with tools, equipment, components and workspace yet it also stands by the subtle acronym of TEAM - 'Together Everyone Achieves More'.



IV. Electronics Club

This club is a common platform for students from various disciplines to learn and work on electronic circuits, design various circuits useful in a plenty of applications.



Brain Controlled Mobile Robot Project

V. CAD CLUB

This club gives unlimited opportunities to learn various CAD tools and design their own products, devices and systems using CAD software.

VI. Shutterbox- Photography Club

This club helps nurture photography hobby of students. The club organizes photo-walks to various places of Jabalpur. These places include Dumna nature reserve, Madan Mahal, Gwarighat, Bedaghat, etc. Various events organised in the Institute are also captured beautifully by the club members.

VII. Web-Designing Club

Web Design club provides an opportunity to reveal the potential and innovative ideas and also sharpens the skills not only to design, but also to develop a website, more precisely a web application.

C. Sports Club:

I. Cricket Club

Cricket club of IIITDMJ holds activities throughout the year and it enjoys active membership from all the batches of the institute. Cricket club organizes deuce ball matches twice a year, hall wise and year wise. Another event organized by the club is 'Cosco' ball tournament. It also takes part in GUSTO (IIITDMJ Sports festival) and participates in all sports activities organized by the Students Gymkhana.



II . Athletics Club

This club encourages students stay fit and healthy. Every student is encouraged to take part in some kind of athletic activity. Other clubs in sport category are Badminton club, Chess club, Lawn Tennis club, Football club, Basketball club, Carom club, Throw ball, Handball and Volleyball clubs.

Other Student Activities:

(I) Trip to -BITS Goa

During 29th Oct - 4th Nov 2014 Institute made its annual trip to annual cultural fest of BITS Goa - Waves'14. Students showcased their best in street play - Culture Kaha Hai. It had most of the content from our nukkad displayed in TARANG'14 and contributed for Institutes 7th position amongst 22 contenders. Trip was worth learning many facts that lead students for wonderful performances.



Nukkad Natak: Performed by Students of IIITDM, Jabalpur



Students Senate Members 2014-15

S.No	Roll No.	Name	Programme	Email ID
1	2011013	Akhilesh Kumar Sharma	B.Tech ME 2011 Batch	2011013@iiitdmj.ac.in
2	2012068	Omkar Jaiwant Darekar	B.Tech CSE 2012 Batch	2012068@iiitdmj.ac.in
3	1220131	Harkeerat Kaur	M.Tech CSE 2012 Batch	Harkeerat.kaur@iiitdmj.ac.in
4	2011026	Apoorv Srivastava	B.Tech CSE 2011 Batch	2011026@iiitdmj.ac.in
5	2011171	Vikram Kumar Jaiswal	B.Tech CSE 2011 Batch	2011171@iiitdmj.ac.in
6	2011203	Nikhil Upadhyay	B.Tech ECE 2011 Batch	2011203@iiitdmj.ac.in
7	2011093	Nitesh Gaur	B.Tech ECE 2011 Batch	2011093@iiitdmj.ac.in
8	2011161	Tulika Verma	B.Tech ECE 2011 Batch	2011161@iiitdmj.ac.in
9	2011207	Prateek Jain	B.Tech ECE 2011 Batch	2011207@iiitdmj.ac.in
10	2011129	Robnin Singh Kataria	B.Tech ME 2011 Batch	2011129@iiitdmj.ac.in
11	2012026	Anish Agarwal	B.Tech CSE 2012 Batch	2012026@iiitdmj.ac.in
12	2012037	Anurag Prakash	B.Tech CSE 2012 Batch	2012037@iiitdmj.ac.in
13	2012046	Arun Pratap Singh	B.Tech ECE 2012 Batch	2012046@iiitdmj.ac.in
14	2012070	Deepak Kumar	B.Tech ECE 2012 Batch	2012070@iiitdmj.ac.in
15	2012221	Shubham Chauhan	B.Tech ECE 2012 Batch	2012221@iiitdmj.ac.in
16	2012008	Abhinav Shekhar Vashistha	B.Tech ME 2012 Batch	2012008@iiitdmj.ac.in
17	2012045	Arun Kumar Singh	B.Tech ME 2012 Batch	2012045@iiitdmj.ac.in
18	2012271	Jeetesh Sharma	B.Tech ME 2012 Batch	2012271@iiitdmj.ac.in
19	2013036	Arcot Yeshwanth Sai Charan	B.Tech ECE 2013 Batch	2013036@iiitdmj.ac.in
20	2013083	Gunjan Kumar	B.Tech ECE 2013 Batch	2013083@iiitdmj.ac.in
21	2013165	Rashi Karanpuria	B.Tech ECE 2013 Batch	2013165@iiitdmj.ac.in
22	2013243	Vinay Pratap Singh Tomar	B.Tech ME 2013 Batch	2013243@iiitdmj.ac.in
23	2013248	Vishal Bhojak	B.Tech ME 2013 Batch	2013248@iiitdmj.ac.in
24	2013004	Aayush Prakash	B. Tech CSE 2013 Batch	2013004@iiitdmj.ac.in
25	2013005	Abhishek Achanta	B.Tech ME 2013 Batch	2013005@iiitdmj.ac.in
26	2013144	Anu Bharath Pabba	B. Tech CSE 2013 Batch	2013144@iiitdmj.ac.in
27	2013098	Karan Gupta	B. Tech CSE 2013 Batch	2013098@iiitdmj.ac.in
28	2011025	Anusha Mangal	B. Tech ME 2011 Batch	2011025@iiitdmj.ac.in
29	2011097	Pankaj Kumar Chaudhary	B. Tech CSE 2011 Batch	2011097@iiitdmj.ac.in
30	2014143	Rohit Kumar Suman	B.Tech CSE 2014 Batch	2014143@iiitdmj.ac.in
31	2014023	Ankit Sahu	B.Tech CSE 2014 Batch	2014023@iiitdmj.ac.in
32	2014063	Grandhi Supraja	B.Tech CSE 2014 Batch	2014063@iiitdmj.ac.in
33	2014205	Yasaswini Ravuri	B.Tech ECE 2014 Batch	2014205@iiitdmj.ac.in
34	2014171	Shubham Agarwal	B.Tech ECE 2014 Batch	2014171@iiitdmj.ac.in
35	2014258	Yakshvender Pundir	B.Tech ECE 2014 Batch	2014258@iiitdmj.ac.in
36	2014083	Jugal Kishor	B.Tech ME 2014 Batch	2014083@iiitdmj.ac.in
37	2014183	Subhadeepta Sahoo	B.Tech ME 2014 Batch	2014183@iiitdmj.ac.in
38	2014213	Aparimita Singh	B.Tech ME 2014 Batch	2014213@iiitdmj.ac.in

Student Gymkhana organizes three annual events every year. These are:

- (I) 'Tarang', The Cultural festival
- (II) Abhikalpan, the tech-festival and
- (III) 'Gusto', the Sports festival



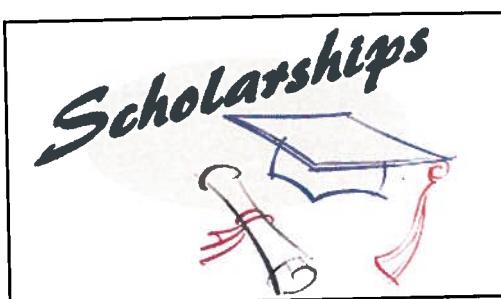
SCHOLARSHIP, FREESHIP AND FINANCIAL ASSISTANCE

(1) Financial Assistance from Institute Funds

(A) Merit-cum-Means (MCM) Scholarships for Undergraduate Students

The Scheme: In order to financially assist meritorious students coming from economically weaker background, the Institute may award Merit-cum-Means scholarships to needy students from its own funds made available by the Ministry of Human Resource & Development (MHRD) for this purpose.

Criteria: The total number of MCM scholarships awarded in a given batch shall not exceed 25 % of the students enrolled in that batch of the B Tech program. 20 % of the total number of available MCM Scholarships for each batch shall be reserved for students belonging to the SC/ST categories. MCM Scholarships, if unutilized by any particular batch, may be transferred to another batch. Also, unutilized MCM Scholarships reserved for SC/ST students may be transferred for award to the general category students.



Amount of Scholarship: The amount of MCM Scholarship for both General as well as SC/ST category of students shall be as prescribed from time to time by the Ministry of Human Resource & Development (MHRD), and approved by the Board of Governors of the Institute

At present the value of the MCM Scholarship for both category of students is Rs 1000/- per month. The award of the MCM Scholarship would also imply granting of Tuition Waiver, i.e. the Freeship.

Details regarding disbursement of above scholarship are as given below:

Batch	Total No. of students awarded	Amount disbursed upto Sem I & II, 2014-15
2010	02 (OB)	Rs. 60,000/-
2011	68 (OP:33 +SC:05 +ST: 0+OB:30)	Rs. 51,12,000/-
2012	66 (OP:35+SC:04 +ST:03+OB:24)	Rs. 37,44,000/-
2013	55 (OP: 24 +SC:02 +ST:0+OB:29)	Rs. 33,10,000/-



(B) Assistantship/Financial Assistance to Post Graduate Students

Institute follows the guidelines issued by Ministry of HRD for monthly payment of financial assistance to students enrolled in Post Graduate and PhD programmes as Assistantship.

During the year students were provided with following assistantships.

Programme	Amount of Monthly assistantship	Duration
At Masters level	Rs. 8,000/-	02 years
At PhD level	Rs. 18,000/-	First 02 years
	Rs. 20,000/-	Remaining 02 years

(2) Schemes of Ministries

A. Central Sector Scholarship Scheme for top class Education for SC and ST students:

Ministry of Social Justice and Empowerment and Ministry of Tribal Affairs provide grants as scholarship for Schedule Caste and Schedule Tribe students of the Institute respectively. Top 10 students of SC category and Top 5 students from ST category admitted in the undergraduate programme (based on their All India Rank in CSAB) are eligible for the same.

Details regarding disbursement of above scholarship are as given below:

Batch	Total No. of students awarded	Amount disbursed upto Sem I & II, 2014-15
ST Category		
2009	03	92,460/-
2011	05	1,54,500/-
2012	04	1,02,805/-
2013	02	1,50,710/-
SC Category		
2011	06	1,66,798/-
2012	10	2,59,410/-

During the year 2014-15, Scholarships were received only for above mentioned batches. Continuous efforts are being made with proper follow-up with concerned Ministry for release of all pending scholarships.

B. Scholarship for Physically Handicapped Students

Ministry of Social Justice and Empowerment, Department of Empowerment of Persons with Disabilities provides scholarship/ financial support for students with Disabilities for growing Top Class Education.



Quantum of Financial Support:

- Reimbursement of tuition fee and non-refundable charges paid: Up to Rs. 2.0 Lakh-Per annum (subject to actual amount).
- Maintenance Allowances: Rs. 3,000/- per month for hostellers, Rs. 1500/- per month for dayscholars.
- Special Allowances (related to types of disabilities like reader allowances, escort allowance, helper allowances etc.: Rs. 5000/- per annum.
- Reimbursement of expenses for purchase of a computer with accessories: Rs. 30000/-per awardee as a one-time grant for entire course.
- Reimbursement of expenses for purchase of Aids and Assistive Devices including necessary software related to the particular disability of the selected candidate: Rs. 30000/- per awardee as a one-time grant for entire course.



Details regarding disbursement of above scholarship are as given below:

Batch	Total No. of students awarded	Amount disbursed upto Sem I & II, 2014-15
2011	01	74,900/-

C. Other Schemes of State Governments

Institute also facilitates students for getting scholarships from different State Government through online portal.

Following are the details of disbursement of above scholarship:

State	Total No. of students awarded	Amount disbursed upto Sem I & II, 2014-15
Madhya Pradesh	05	1,36,400/-
Bihar	02	1,25,200/-



STUDENTS' FESTIVALS AND EVENTS

Tarang'14

TARANG-the waves of life, is the annual cultural festival of PDPM IIITDM, the biggest central India's cultural fest. This year Tarang was re-energized and reborn as TARANG'14 was slated from 9th to 12th October, 2014. Tarang is a dynamic ensemble of 'cult maestros' and presents a unique blend of traditional and modern India. It is vibrant, soulful, exhilarating yet, a serene event. It is an avenue for the best talents from the top colleges across the country to battle it out in an array of cultural events. The scale of TARANG can be judged by the fact that it invites participation from many engineering colleges from across the country. The sheer number of more than 5000 footfalls creates a buzz in the campus making it the most happening event during the period. Adding to its magnanimity are the institutes like NIFTs, NIDs, NITs and bands from across the country including places like Delhi NCR, Bhopal, Raipur, Katni, Kolkata and Nagpur. Sunburn-Electronic Dance and Music Group performed in this annual festival, Comedy Night and AAVEG-Rock Band Competition were the attraction of mega events.



Performance by SUNBURN Group



Performance during AAVEG-
Rock Band Competition

Gusto

The Gusto was held from Jan 24, 2015 - Jan 26, 2015. Gusto is the National Level Annual Inter-College sports meet of the Indian Institute of Information Technology, Design and Manufacturing Jabalpur. This was the 9th edition of Gusto since 2006. Gusto is the largest sports fest of Central India. Various IIMs, NITs, SPAs and private colleges participate in this sports meet. Last edition of Gusto witnessed IIM Indore, MANIT Bhopal, SPA Bhopal and many private colleges engaging in a healthy competition to prove their worth. It featured a multitude of events viz. Cricket, Volleyball, Football, Badminton, Athletics, Basketball, Lawn tennis, Table Tennis, Chess, Carom, and Sports Quiz along with many informal events as well.



An Inter-College Football Competition during Sports Fest -GUSTO-2015

Abhikalpan

Abhikalpan- 2015, the annual technical festival of IIITDM Jabalpur was held from March 20-22, 2015. It was first brought into action in 2006 with an aim to promote innovative technical excellence and organizational proficiency. This is the perfect platform to cultivate one's inner innovative technical potential. This fest promises cut throat competition in wide range of technical events in the domain of ME, CSE, ECE, Robotics, Design, Gaming and Management along with a host of informal events.



Opening Ceremony of Tech Fest: ABHIKALPAN 2015



IIITDMJ-JAPAN COLLABORATION

ACADEMIC PROGRAMME

IIITDM Jabalpur- Japan collaboration is a part of a larger agreement between the Governments of Japan and India. Under the agreement, the two sides have decided to nurture and strengthen PDPM IIIT DM, Jabalpur (IIITDMJ) through the following:

- Academic assistance by Japanese side to develop expertise in those areas in which Japan has developed considerable skills and expertise.
- Formation of Consortium of Japanese universities/institutes/industries for providing academic assistance in teaching and research to the Institute.
- Exchange of scholars between the Consortium partners or other organisations in Japan and IIITDMJ and the visits of IIITDMJ students for development of expertise.
- To secure financial resources from public/private sectors for development of IIITDMJ.
- Consortium partners to hold joint conferences/ symposia / workshops on advanced research topics in India and Japan.
- Continue discussion to explore other aspects of cooperation with respect to IIITDMJ.

For effective implementation of this collaboration, Government of Japan has formed a consortium of six universities which includes:

Among Universities:

1. University of Tokyo
2. Tokyo Institute of Technology
3. Tphoku University
4. Kyushu University
5. Shibaura Institute of Technology
6. Kangawa Institute of Technology

Among Industries:

1. Hitachi
2. Toshiba
3. Amada
4. Okuma
5. Sumitomo Metals
6. GE Energy



Long Term Internship offers -

Internship offers were made by Canon Company, Mitsubishi Heavy Industries. Most of the offers were for undergraduate students. Duration - Six Months approximately. Following students visited Japanese Universities and industries under the programme in the year 2014-15.

- Mr. Pulkit Jha, Mitsubishi Heavy Industries Japan
- Mr. Rajarshi Gupta, Canon (Japan)
- Mr. Harendra Singh, Canon (Japan)
- Mr. Govinda Parasrampur, Mitsubishi Heavy Industries Japan

Joint organisation of Seminars/Conferences/Workshops

Design Workshop has become a regular feature now. Every year institute is organizing such workshops. This year also institute organized Design Workshop held during December 8, 9 & 10, 2014. Main Objective for holding such workshops is to facilitate exchange of design ideas amongst faculty, students and industry experts from different parts of the globe.



Visits of Japanese Experts to IIITDMJ - Cooperation in IIITDMJ's teaching programme

Every year about 8 -15 experts from Japan contribute in the teaching programme of IIIT DM Jabalpur. This year also some of the renowned experts from academia and industry across Japan visited the Institute.

S. No.	Name	Course	Affiliation	Duration
1	Prof Akinori Ito	Speech and Music Signal Processing	Tohoku University of Japan	Jan. 18 to 23, 2015
2	Prof Hisa Ando	Advanced Computer Architecture	Fijitsu Japan	Feb. 01 to Feb. 13, 2015
3	Prof Isao IYODA	Power Electronics Application Power System	Osaka Electro-Communication University Japan	March 09 to 12, 2015
4	Prof Masato Oguchi	Network Computing	Ochanomizu University of Japan	March 29 to April 03, 2015
5	Prof Hiroshi Toshiyoshi	MEMS Design Application	Toshiyoshi, University of Tokyo Japan	March 15 to 21, 2015
6.	Prof Hiroshi Arisawa	Data Engineering	Yokohama National University	Feb. 15 – 21, 2015
7	Prof Shun Kawabe, Meisei	Advanced Aided Computer Architecture	University, Japan	March 08 – 21, 2015
8	Prof Takashi Nanya	Dependable Computing	Canon, Inc., Japan	March 22 – 28, 2015



SEMINARS/WORKSHOPS/CONFERENCES/ TRAINING PROGRAMMES CONDUCTED

DeW 2014

The Design Workshop (DeW) 2014 was held during December 8 - 10, 2014. The goal of this workshop was to bring together researchers and practitioners who have worked on or thought about nature inspired design from various perspectives, disciplines, and fields and to explore how nature inspired strategies can be applied in the field of design for developing radically sustainable products. The workshop also facilitated the formation of a nature inspired design research group.



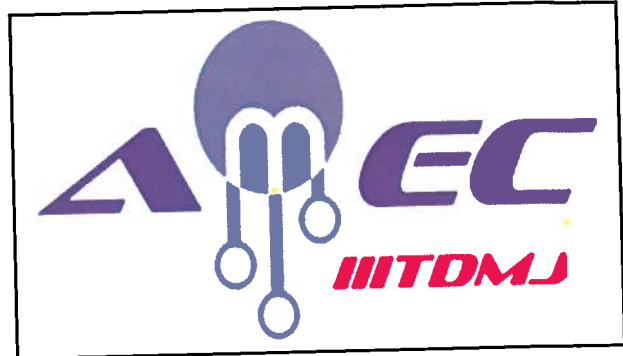
Prof Masao Ishihama

Kanagawa Institute of Technology, Adviser for Japanese Ministry of Defense
Speaking on - Human Factor in Automobile Human-Machine Interface Design



Workshops on "Application for MATLAB for Engineering Computations" organized during December 1-5, 2014 & February 6-8, 2015

It was a hands-on experience oriented programming skill development program with exhaustive application specific programming exercises. Course was beneficial for beginners of MATLAB as well as practitioners of different domain. Teaching methodology was adopted in such a manner so that all can cope up even those who do not possess any prior knowledge of programming. Case studies of advanced application of MATLAB were presented by highly motivated researchers/faculty. Course content also covered basic introduction to MATLAB, use of various commands, logical operators, functions, arrays, loops etc. printing, plotting visualization using MATLAB, data input/output in various format, generating executable files and stand-alone applications, building Graphical user interface (GUI) etc., with exhaustive sample programs and exercises. Prof Aparajita Ojha, Dr Pritee Khanna, Dr Prabin Kumar Padhy, Dr P K Jain Dr Pavan Kumar Kankar and Dr Sachin Kumar Jain were the speakers of fourth and fifth workshop.



Workshop on Cryptology September 25- 27, 2014

Security of information has been one of the primary concerns since the ancient time. Simple changes in the pattern of the alphabets or substitutions were usually performed to make the messages unreadable. With the rapid advancement in information and communication technology and its applications in e-commerce, voluminous data/information is being communicated every day from one part of the globe to the other. In view of this a National Workshop on Cryptology was organized during September 25-27, 2014. All such applications require security of the information communicated through a private or a public network. People are constantly working to make the information secure. Aim of this workshop was to bring all these researchers and learner under one premise to build a community. The work shop has invited talks of eminent researchers on recent emerging trends and developments in all aspects of cryptography and information security.



All such applications require security of the information communicated through a private or a public network. People are constantly working to make the information secure. Aim of this workshop was to bring all these researchers and learner under one premise to build a community. The work shop has invited talks of eminent researchers on recent emerging trends and developments in all aspects of cryptography and information security.

Exhibition on BARC Technologies September 20th, 2014

Under Diamond Jubilee Celebrations of Department of Atomic Energy, Bhabha Atomic Research Centre, Mumbai has organized Outreach Programme at PDPM IITDM Jabalpur on September 20, 2014.



The programme included seminar on "Atomic Energy for Sustainable Development of the nation". The event was part of BARC's initiative of public awareness programme to reach out to academic institutes, R&D institutions and industries across the country. The program was coordinated by Shri R K Singh, Head media and public awareness, BARC and Prof. Tanuja Sheorey from IIITDM, Jabalpur.



BARC has also organized exhibition of its products. Exhibition comprised of Poster Gallery, Interactive Models, Information Kiosks and AV presentations. It was well attended by number of schools of Jabalpur. The students were also taken for a round of the campus. Number of colleges have participated in seminar as well as exhibition. The students of colleges as well as schools have attended session on carrier opportunity delivered by Er Nand Kishor.

The two day event started at 10:00 AM on 20th September, 2014 with inauguration session of the seminar in which keynote address was given by Outstanding Scientist & Head, Reactor Operations Division, BARC, Mumbai, Shri D K Shukla. He has given an overview of all types of research and development activities being carried out at BARC. He has emphasized specifically on products from medical and agricultural sector. The inaugural session was opened with Saraswati Vandana, followed by welcome by the coordinator Dr Tanuja Sheorey, Professor of Mechanical Engineering, PDPM IIITDM Jabalpur. Mr R K Singh Head, Media Relations and Public awareness, has thrown light on the outreach program being conducted at various cities of India. Institute Director Prof Aparajita Ojha has elaborated on challenges that the youth are facing today and the need to come into research.

Mr Shukla and Mr Singh has given replies to student's queries. In the second session of the seminar, Er. Sudesh Sharma and Er Nand Kishore have given talk on NPCIL activity and career opportunity at DAE. Exhibition was also inaugurated by Mr Shukla. Students from the schools were first shown short films on BARC developmental activities for 30 minutes and then taken for a round through all the models put into exhibits. The models shown were sea water desalination by nuclear radiation, indigenously developed water purifiers, Bhabhatron, a cobalt 60 based cancer therapy equipment, etc. Also enhanced varieties of 41 kinds of seeds were displayed along with technology to enhanced storage life of the produce.

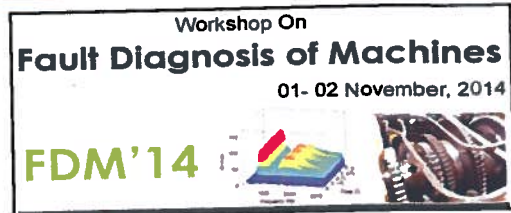


Workshop on Fault Diagnosis of Machines November 01 - 02, 2014

Most of the industries use various types of machineries with rotating components such as rolling element bearings, cams, gears etc. The proper operation of rotating machinery is closely allied to



the condition of these components. Catastrophic failures of rotating components may cause expensive machine shutdowns, human casualties and may also affect the associated systems. This necessitates the use of highly sophisticated fault detection techniques to check for the smooth operation regularly. This workshop was aimed to bring together all the learners in this field under one roof to share and build a knowledge based platform about prediction and remedy of faults in rotating elements, mostly gears and bearings.



Topics covered in this workshops were, Introduction to noise and vibration- sources and its effects, Vibration instrumentation and measurements, Tribology and lubrication, Wear debris analysis, Vibration signal analysis techniques such as frequency spectrum, wavelets, empirical mode decomposition, Fault classification techniques in gears and bearings, Machinery sound monitoring and analysis with different case studies.

Summer Workshop on Complex Networks May 19-23, 2014

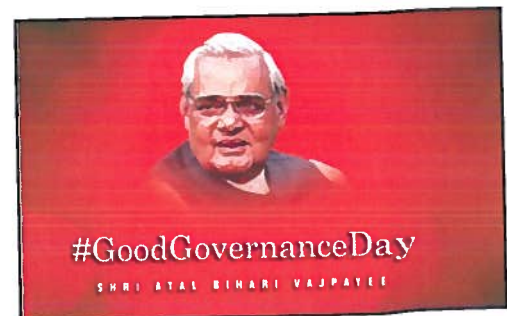
For the past few years, Complex Network has been an exploding research area receiving the attention and inputs from leading researches in mathematics, physics, biology, engineering, and many other disciplines. The purpose of this event was to build bridges across disciplines in the Indian research community interested in networks research. The level of lectures was from introductory to advanced level, as everyone is not expected to be familiar with all the fields covered. Further the aim of this workshop was to provide an overview of both the foundations and state of the art in the field of Complex Network. Lectures were presented by great researchers in the field, and it was an opportunity to interact closely with them during the workshop



The workshop was beneficial for M.Tech. & Ph.D. Students, researchers and faculties interested for a new emerging research area in the field of networks. The workshop provided in-depth reference courses to a multi-disciplinary audience of researchers and students. This summer workshop was by Computer Society of India with coordination of Dr Anurag Singh.

Seminar on Good Governance Day

The birth anniversary of Shri Atal Bihari Vajpayee, Former Prime Minister of India was observed as a 'Good Governance Day' on 25th December, 2014. On this day, a seminar on 'Use of Technology and Innovations in promoting Good Governance' was organized at the Institute. This Seminar was organized for students and as well as for employees of the Institute. Students and Officers of the Institute were awarded with cash prizes.





Hindi Pakhawada - 2014

Like every year this year also Institute celebrated Hindi Pakhawada - 2014 which started from September 14 to 29, 2014 and concluded on September 29, 2014. The day of September 14 is observed as Hindi Diwas in the nation because on the date the language Hindi was adopted as official language of the nation by the constituent assembly in the year 1949.

During the period various competitions were organised amongst staff members and students. People enthusiastically participated in these competitions. The ending ceremony was held on September 29, 2014. Director of the Institute, Deans, Registrar and other members of the Institute were present in the ending ceremony. Winners of various competitions were awarded with the prizes.





INFRASTRUCTURE DEVELOPMENT

Existing Infrastructures

The Institute had shifted from its transit Campus i.e. Jabalpur Engineering College to its own Campus in July, 2009. The completion of some new buildings by the CPWD has facilitated the Institute to transfer its activities from the Core Lab Complex to these new buildings. The buildings like Lecture Hall and Tutorial Complex, Visitor's Hostel, Narmada Residency - II, Mess & Dining Hall, Basketball Court (indoor), 02Nos. type V quarters, Ring Road etc. have been completed by the CPWD during this year. The execution for other buildings, Roads and service networking, Street lighting, Electrical networking is under progress with full swing by the CPWD. The buildings like Primary Health Centre, Library cum Computer Centre, Administrative Block, Narmada Residency-III, Rewa Residency 2A, Girls Hostel, PG Hostel (Phase-I)- married accommodation, PG Hostel (Phase-II)- bachelor accommodation are about to complete.



Academic Zone

1. **Core Lab Complex:** The Core Lab Complex is the first building constructed in the Campus. All the activities were concentrated earlier in this building only. With the completion of Lecture Hall & Tutorial Complex (LHTC), the class room activities have been shifted to the LHTC. The workshop, physics lab etc. are located in the Core Lab Complex. Some new labs like VLSI lab, Power & Control lab, EC lab, Signal System & Control lab, Material Research lab and Microscope lab have been created in this building. Presently, the Directorate, Library, Computer Centre, Administrative office etc. are also running in this building. In addition, some faculty chambers are created in this building with temporary partitions.
2. **Hall of Residence - I:** This is the first hostel building (single seated) constructed at the Campus. The building was constructed at the Institute level. It has a capacity to accommodate 408 students. The building has recreational facilities like reading room, TV viewing room, Gymnasium, Canteen inside it. Presently a part of the building is under use as the Girls hostel. The building is well connected with roads / pathways with academic area, other hostels, mess and dining hall and play fields inside the Campus.



3. **Hall of Residence - III:** This is a triple seated hostel having student's capacity of 498. This building was also constructed at the Institute level. The recreational facilities like TV viewing room, Reading room, Dance and Drama room etc. are available in the building. In addition an indoor badminton court and a Computer Centre have also been developed inside the building with removable partitions.



Hostel Zone

4. **Hall of Residence - IV:** The building was constructed by the CPWD. It is also a triple seated hostel building having capacity to accommodate total 498 students. The facilities like Canteen, TV viewing room, Music room, Reading room, Dance and Drama room are available inside the building. The building connected with CC roads and pathways with academic area, other hostels, mess & dining hall and play fields.
5. **Lecture Hall & Tutorial Complex:** This building is the main Institute building. It has been made ready for occupation by the CPWD. All the class room activities are now being performed in this building. In addition, some research laboratories, faculty chambers and the academic office have also been accommodated in this building. The building is connected with roads / pathways with other buildings.



Lecture Hall & Tutorial Complex and Core Lab Complex



6. **Mess & Dining Hall:** It is the central Mess for all the three occupied hostels. It has capacity for 1000 students. The building has been inaugurated on November 11, 2014 by Prof S V Raghavan, Chairman, BOG of the Institute. All the dining activities which were earlier performed in the temporary structures in each of the hostel building are now shifted to this building. The building is well connected with roads / pathways with all the hostel buildings.



Glimpses of Inauguration of Mess and Dining Hall

7. **Visitors' Hostel:** This is the Institute guest house building inaugurated on November 11, 2014 by Prof S V Raghavan, the Chairman, BOG of the Institute. The building has 30 Single / Double seated rooms, 05 Suits and 01 VIP Suit. In addition there is a connected Facility block in which the facilities of Reception, Dining hall, Meeting room, Lounge etc. are available.





Glimpses of Inauguration of Visitors' Hostel

8. **Suraksha Bhawan:** The building was constructed by the CPWD. It is located at the extreme end of the campus towards Mehgavan village. It is a 20-bedded dormitory for the security guards off the duty. Presently the building is proposed to be used for different research labs.
9. **2 Nos. Type V Quarters:** The building is located in the Hostel zone. These are meant for the hostel wardens. The building has been completed and inaugurated by Prof S V Raghavan, the Chairman, BOG of the Institute, on November 11, 2014. It has two number Type V Quarters (semi detached) with 3-Bed Rooms, Garage and an attached Servant Quarter.



Glimpses of Inauguration of 2-Nos Type-V Quarters



10. **Narmada Residency-II:** This is a Residential building having 50 numbers of 2-bed room flats. The building has been inaugurated on March 10, 2015, by Dr Kota Harinarayana, the Chairman, BOG of the Institute. The building is connected with cement concrete roads with the Academic zone and the Hostel zone of the institute.



Glimpses of Inauguration of Narmada Residency II

11. **Sports Facilities:** The sports facilities like outdoor Volleyball courts, Tennis court, Basket Ball court etc. are developed inside the campus. The open play field is being used for cricket, football and track and field games. In addition an indoor badminton court, created with removable partitions, is available in Hall of Residence-III. The indoor basketball court would be ready to use very soon.



Basket Ball Court (Indoor)



The water supply is available for 24 hours to all the buildings through bore wells and RCC Overhead Tank. An uninterrupted electrical supply is being provided by the MPPKVV Co. Ltd. through a dedicated feeder. The DG sets are available as alternate source of electricity. All the buildings and roads have enough area lighting and street lighting.

Buildings under Construction:

The construction activities have been going on by the CPWD with full swing. The structural work of all most every building has been completed and the finishing work is under progress. The following construction works are under progress.

1. **Primary Health Centre:** This is the hospital building for the Institute, located on the Ring Road in between the Academic Zone and Residential Zone. The building has Doctors' chambers, Male/ Female General Wards and some Private Wards. The building is on completion stage.



Primary Health Centre

2. **Narmada Residency III:** This is a Residential building having 60 number 3-bedroom flats for senior faculty members. The finishing work, plumbing work and electrification works are under progress in the building. The building is connected with cement concrete roads with Academic area. It is also expected to be completed and handed over by the CPWD, very soon.



Narmada Residency-III



3. **Library and Computer Centre:** It is a four storied building having provisions of Central Library and Computer Centre suitably accommodated on different floors. The building is located close to the main Institute building, LHTC. The structural work of the building is completed. The finishing work, electrification works and air-conditioning works are under progress.



Library and Computer Centre

4. **Rewa Residency-2A:** This is a Residential building having provisions of 2-bedroom flats for staff members. The structural work of the building has been completed and finishing work and electrification work is under progress. The building is expected to be handed over by the CPWD, very soon.



Rewa Residency 2-A

5. **Administrative Block:** The building is located at the main entrance of the Institute. The structural work of the building has been completed. The finishing, electrification and the air-conditioning work are under progress.



Administrative Block



6. **PG Hostel (Phase-1):** The building has provisions of one bed room flats for married PG students. The building is on completion stage. The electrification work and plumbing works are under progress.



P.G. Hostel (Phase-1 and Phase-2)

7. **PG Hostel (Phase-2):** The building has single seated rooms for PG students. The structural work of the building is completed and the finishing and electrification works are under progress.
8. **Girls Hostel:** It has a capacity to accommodate 250 Girls students. The construction of the building is going on with full swing. The structural part of the building is almost completed and the finishing work has been started.

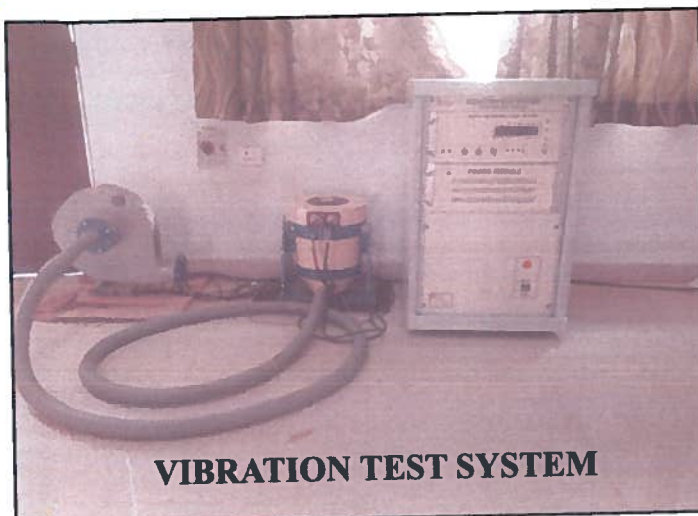


Girls Hostel

9. **Sports Activity Centre:** The building has provisions of Amphitheatre, Indoor Badminton Court, Squash Court and enough space for other Indoor extracurricular activities for students. The construction of the building is going on with the desired pace.
10. **Road and Service Network:** The construction of all the main roads is under progress. The provisions of service lines like sewer lines, water supply lines, recycled water lines are being made along all the roads. In addition the electrical networking and street lighting works are also going on simultaneously.



EQUIPMENTS PROCURED DURING 2014-15





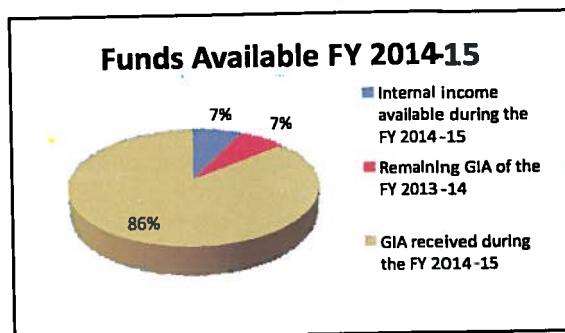
PANDIT DWARKA PRASAD MISHRA
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,
DESIGN AND MANUFACTURING, JABALPUR

**ANNUAL ACCOUNTS FOR THE YEAR
2014-2015**

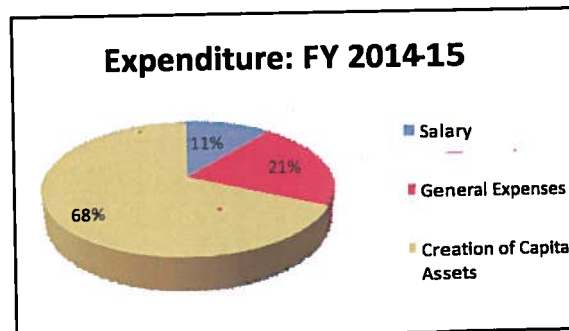


FUNDS AVAILABLE AND EXPENDITURE INCURRED DURING F.Y. 2014-15

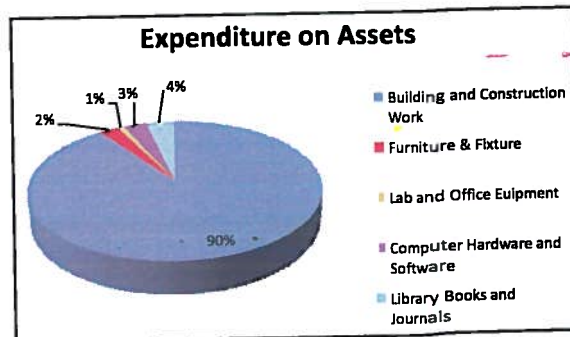
Funds available FY 2014-15	
Particulars	Amount in lakh
Internal Income available during the FY 2014-15	575.71
Remaining GIA of the FY 2013-14	560.38
GIA received during the FY 2014-15	6808.47



Head wise expenditure during the FY 2014-15	
Head	Amount in lakh
Salary	796.63
General Expenses	1500.70
Creation of Capital Assets	4835.99



Expenditure - Creation of Capital Assets during the FY 2014-15	
Particulars	Amount in lakh
Building and Construction Work	4372.58
Furniture & Fixture	112.34
Lab and Office Equipment	45.31
Computer Hardware and Software	131.69
Library Books and Journals	174.07
Total	4835.99



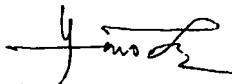


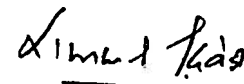
Pandit Dwarka Prasad Mishra Indian Institute of Information Technology,
Design & Manufacturing Jabalpur

BALANCE SHEET AS AT 31ST MARCH, 2015

Amount in ₹

SOURCES OF FUNDS	SCHE- DULES	CURRENT YEAR (AS AT 31/03/2015)	PREVIOUS YEAR (AS AT 31/03/2014)
CORPUS/CAPITAL FUND	1	289,82,46,336	242,68,01,749
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	0	0
CURRENT LIABILITIES & PROVISIONS	3	13,51,67,296	11,36,04,266
TOTAL		303,34,13,632	254,04,06,015
APPLICATION OF FUNDS			
FIXED ASSETS	4		
TANGIBLE ASSETS		69,45,38,706	71,45,82,103
INTANGIBLE ASSETS		1,87,63,990	1,85,95,414
CAPITAL WORK-IN-PROGRESS		186,74,63,697	97,44,66,261
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	5		
LONG TERM		0	0
SHORT TERM		0	0
INVESTMENTS-OTHERS	6	80,00,000	0
CURRENT ASSETS	7	27,21,73,306	19,93,26,319
LOANS, ADVANCES & DEPOSITS	8	17,24,73,933	63,34,35,918
TOTAL		303,34,13,632	254,04,06,015
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTE TO ACCOUNTS	24		


(Prabodh Pandey)
Dy. Registrar (F&A)


(Ram Phal Dwivedi)
Registrar


(S G Deshmukh)
Director (I/c)

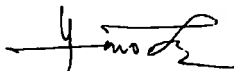


Pandit Dwarka Prasad Mishra Indian Institute of Information Technology,
Design & Manufacturing Jabalpur


**INCOME AND EXPENDITURE ACCOUNT
FOR THE PERIOD 01/04/2014 TO 31/03/2015**

Amount in ₹

PARTICULARS	SCHEDULE	CURRENT YEAR (AS AT 31/03/2015)	PREVIOUS YEAR (AS AT 31/03/2014)
A INCOME			
ACADEMIC RECEIPTS	9	4,46,86,003	3,57,68,553
GRANTS / SUBSIDIES	10	22,97,33,822	20,15,72,722
INCOME FROM INVESTMENTS	11	1,00,55,569	67,00,073
INTEREST EARNED	12	14,02,863	16,28,221
OTHER INCOMES	13	14,26,844	27,43,918
PRIOR PERIOD INCOME	14	68,323	12,00,702
TOTAL (A)		28,73,73,424	24,96,14,189
B EXPENDITURE			
STAFF PAYMENTS & BENEFITS(ESTABLISHMENT EXPENSES)	15	11,37,25,731	9,52,15,088
ACADEMIC EXPENSES	16	4,63,19,607	3,67,54,350
ADMINISTRATIVE AND GENERAL EXPENSES	17	6,37,65,296	6,19,59,500
TRANSPORTATION EXPENSES	18	34,37,666	35,65,498
REPAIRS & MAINTENANCE	19	24,66,326	40,64,237
FINANCE COSTS	20	19,196	14,049
DEPRECIATION	4	7,06,14,487	5,39,04,826
OTHER EXPENSES	21	0	0
PRIOR PERIOD EXPENSES	22	3,66,818	170
TOTAL (B)		30,07,15,127	25,54,77,718
BALANCE BEING EXCESS OF INCOME OVER EXPENDITURE (A-B)		(13,341,703)	(5,863,529)
TRANSFER TO INSTITUTE CAPITAL FUND			
INTERNAL INCOME	1.2A	5,75,71,279	4,80,41,297
BUILDING FUND		0	0
BALANCE BEING SURPLUS (DEFICIT) CARRIED TO GENERAL FUND		5,75,71,279	4,80,41,297
BALANCE BEING SURPLUS (DEFICIT) CARRIED TO CORPUS FUND		(70,912,982)	(53,904,826)
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTE TO ACCOUNTS	24		


(Prabodh Pandey)
Dy. Registrar (F&A)


(Ram Phal Dwivedi)
Registrar


(S G Deshmukh)
Director (I/c)



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

RECEIPTS & PAYMENT ACCOUNT FOR THE FINANCIAL YEAR 2014-2015

S. No.	RECEIPTS	CURRENT YEAR (As at 31/03/2015)	PREVIOUS YEAR (As at 31/03/2014)	S. No.	PAYMENTS	CURRENT YEAR (As at 31/03/2015)	PREVIOUS YEAR (As at 31/03/2014)
I	OPENING BALANCES			I	EXPENSES		
A)	CASH BALANCE	0	0	A)	STAFF PAYMENTS & BENEFITS	9,33,70,900	8,18,68,527
B)	BANK BALANCES			B)	ACADEMIC EXPENSES	4,76,42,949	3,65,53,742
i)	CANARA BANK GRANT ACCOUNT, JABALPUR	4,54,407	4,36,762	C)	ADMINISTRATIVE AND GENERAL EXPENSES	6,28,68,716	6,13,87,939
ii)	SBI GRANT ACCOUNT, JABALPUR	24,09,734	2,02,20,316	D)	TRANSPORTATION EXPENSES	34,37,666	36,65,035
iii)	ALLAHABAD BANK STUDENT FEE A/C, JABALPUR	5,14,58,946	31,29,422	E)	REPAIRS & MAINTENANCE	29,48,396	40,64,237
iv)	SBI PROJECT ACCOUNT	1,00,45,979	89,36,568	F)	FINANCE COSTS	19,546	14,049
v)	SBI (STUDENT FEE A/C)	34,49,343	3,70,86,461				
vi)	ALLAHABAD BANK GRANT ACCOUNT, JABALPUR	13,12,90,590	1,25,15,635	II	PAYMENTS AGAINST EARMARKED/ENDOWMENT FUNDS	0	0
vii)	SUBSIDIARY BANK ACCOUNTS			III	PAYMENTS AGAINST SPONSORED PROJECTS/SCHEMES	54,01,620	60,97,224
a)	HALL 01			IV	PAYMENTS AGAINST SPONSORED FELLOWSHIPS AND SCHOLARSHIPS	0	0
b)	HALL 03	24,72,124		A)	CENTRAL SECTOR SCHOLARSHIP	19,17,152	20,72,546
c)	HALL 04	40,29,771		B)	EXTERNAL SCHOLARSHIP	31,700	4,92,100
d)	GYMKHANA	10,28,900		V	INVESTMENTS AND DEPOSITS MADE		
e)	LIBRARY	3,28,424		A)	OUT OF EARMARKED/ENDOWMENTS FUNDS	0	0
		1,82,581		B)	OUT OF OWN FUNDS (INVESTMENTS- OTHERS)	0	0
II	GRANTS RECEIVED			VI	TERM DEPOSITS WITH SCHEDULED BANKS		
A)	FROM GOVT. OF INDIA (MHRD) (PLAN)- GENERAL	10,38,01,000	19,09,09,000		INVESTMENTS AND DEPOSITS MADE	55,36,63,918	111,20,00,000
B)	FROM GOVT. OF INDIA (MHRD) (PLAN) - FOR CREATION OF CAPITAL ASSETS	48,36,89,000	55,09,09,000		INVESTMENTS AND DEPOSITS MADE (SUBSIDIARY ACCOUNTS)	28,00,000	0
C)	From Govt. of India (MHRD) (PLAN) - For SALARY	9,33,57,000	5,81,82,000	VII	EXPENDITURE ON FIXED ASSETS & CAPITAL WORK-IN-PROGRESS		
III	ACADEMIC FEE			A)	PURCHASE OF FIXED ASSETS	4,68,80,666	7,12,18,903
A)	ACADEMIC FEES	5,14,19,827	2,88,14,238	B)	EXPENDITURE ON CAPITAL WORK-IN-PROGRESS	1,11,97,536	2,64,52,433
B)	ADVANCE FEES RECEIVED	1,12,18,665	88,74,935	VIII	OTHER PAYMENTS INCLUDING STATUTORY PAYMENTS		
C)	STUDENT CAUTION MONEY	13,52,695	11,18,000				

5-

(Signature)

(S G Deshmukh)
Director (I/c)

(Ram Phal Dwivedi)
Registrar

(Signature)

(Prabodh Pandey)
Dy. Registrar (F&A)



D)	ALUMNI ASSOCIATION SUB.	2,71,500	2,40,000	A) ASSOCIATION FEE (OTHER INSTITUTION)	240	240
E)	STUDENT WELFARE FUND	3,62,000	3,20,000	B) GIS (OTHER INSTITUTES)	7,560	7,560
F)	EXCESS DEPOSIT FEE	69,42,180	86,96,030	C) GPF (OTHER INSTITUTES)	1,68,000	1,68,000
G)	HALL MANAGEMENT ACCOUNT	50,59,500	46,73,707	D) GSLIS	2,28,304	2,39,066
H)	STUDENT BENEFIT ACCOUNT	27,98,600	23,71,000	E) PROFESSIONAL TAX PAID	2,91,520	2,85,750
IV	RECEIPTS AGAINST EARMARKED/ENDOWMENT FUNDS	0	0	F) WCT PAID	78,425	2,55,884
V	RECEIPTS AGAINST SPONSORED PROJECTS/SCHEMES	57,22,164	73,23,449	G) LABOUR WELFARE CESS	39,212	1,30,830
VI	RECEIPTS AGAINST SPONSORED FELLOWSHIPS AND SCHOLARSHIPS			H) NEW PENSION CONT.	1,26,87,080	1,08,43,080
A)	CENTRAL SECTOR SCHOLARSHIP RECEIVED			I) TDS PAID	1,08,89,750	1,12,07,262
B)	EXTERNAL SCHOLARSHIP	22,27,497	20,85,330	J) VAT PAID	14,62,173	19,80,949
		31,700	5,22,000	K) FLAG DAY CONTRIBUTION	7,280	0
				L) SERVICE TAX	2,87,090	36,136
VII	INCOME ON INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	0	0	K) REFUNDS OF GRANTS	0	0
A)	OTHER INVESTMENTS	1,00,55,569	67,00,073	X) DEPOSITS & ADVANCES		
C)	OTHER INVESTMENTS (SUBSIDIARY ACCOUNTS)	3,28,376		A) CPWD, BHOPAL	41,80,00,000	44,19,63,900
VIII	INTEREST RECEIVED			B) DGS&D	62,95,066	56,38,335
A)	INTEREST RECEIVED (SUBSIDIARY ACCOUNTS)	13,23,109	16,35,011	C) ADVANCE TO ROBOCON	1,50,000	3,50,000
B)	INTEREST RECEIVED (SUBSIDIARY ACCOUNTS)	3,22,474	0	D) ADVANCE TO CITY GATE PROJECT	30,000	2,01,156
IX	INVESTMENTS ENCASHED	0	0	E) ADVANCE TO AMEC/NWSG WORKSHOP	1,00,000	25,000
X	TERM DEPOSITS WITH SCHEDULED BANKS ENCASHED			F) ADVANCE TO CONIAPS 2014	0	1,00,000
A)	INVESTMENTS AND DEPOSITS MATURED	55,36,63,918	111,23,87,136	G) ADVANCE TO CCMT 2013	0	1,00,000
B)	INVESTMENTS AND DEPOSITS MATURED SUBSIDIARY ACCOUNTS	8,00,000	0	H) ADVANCE TO CSAB 2013	0	4,40,340
XI	OTHER INCOME (INCLUDING PRIOR PERIOD INCOME)			I) SECURITY DEPOSIT	1,12,231	7,12,033
A)	OTHER INCOMES	15,82,100	27,34,661	J) EMD AND PBG	19,99,437	12,21,600
				K) SECURITY DEPOSIT-MPPKVCL	0	5,42,796
XII	DEPOSITS AND ADVANCES			XI) OTHER PAYMENT		
A)	SECURITY DEPOSIT	1,26,077	64,513	A) HALL MANAGEMENT ACCOUNT	50,46,000	46,52,207
B)	EMD AND PBG	21,66,359	22,17,885	B) STUDENT BENEFIT ACCOUNT	27,93,550	23,61,050
C)	ADVANCE TO CSAB 2013	4,40,340	0	C) STUDENT CAUTION MONEY	19,56,695	13,29,000
D)	SECURITY DEPOSIT-MPPKVCL	4,73,232	0	D) EXCESS DEPOSIT FEE PAID	67,78,945	84,67,320

(Signature)

(Ram Phal Dwivedi)
Registrar

(Signature)

(S G Deshmukh)
Director (I/c)

(Signature)

(Prabodh Pandey)
Dy. Registrar (F&A)



XIII MISCELLANEOUS RECEIPTS INCLUDING STATUTORY RECEIPTS		IX CLOSING BALANCES	
A) ASSOCIATION FEE (OTHER INSTITUTION)	240	A) CASH BALANCE	0
B) GIS (OTHER INSTITUTES)		B) BANK BALANCE	
C) GPF (OTHER INSTITUTES)	7,560		
D) GSLIS	1,68,000	i) Canara Bank Grant Account, Jabalpur	4,72,765
E) PROFESSIONAL TAX PAID	2,28,065	ii) SBI Grant Account Jabalpur	5,37,468
F) WCT PAID	2,91,520	iii) SBI Student Fee A/c, Jabalpur	35,86,383
G) LABOUR WELFARE CESS	78,425	iv) SBI Project Account	6,387
H) NEW PENSION CONT.	39,212	v) Allahabad bank (Student Fee A/c)	6,47,92,920
I) TDS RECOVERED	1,35,46,533	vi) Allahabad Bank Current A/c, Jabalpur	17,15,78,320
J) VAT RECOVERED	1,08,89,750	vii) Allahabad Project A/C, Jabalpur	1,04,28,886
K) FLAG DAY CONTRIBUTION	14,62,173	viii) SUBSIDIARY BANK ACCOUNTS	
L) SERVICE TAX	12,530	a) HALL 01	
IX ANY OTHER RECEIPTS	2,87,090	b) HALL 03	52,59,309
	0	c) HALL 04	78,01,519
		d) GYMKHANA	24,73,772
		e) LIABRARY	40,49,303
		f) SBI-CPF/New Pension a/c	2,49,969
			8,70,455
TOTAL	157,36,96,779	TOTAL	157,36,96,779
	209,82,55,208		209,82,55,208

(Signature)
(Prabodh Pandey)
Dy. Registrar (F&A)

(Signature)
(Ram Phal Dwivedi)
Registrar

(Signature)
(S G Deshmukh)
Director (I/c)



Office of the Director General of Audit (Central Receipt)
New Delhi, Branch-Gwalior, IV Floor, Audit Bhavan, Jhansi Road,
Gwalior - 474002 (M.P.)

No. Central/AMG-II/SAR/PDPM/IIITDM/2014-15/D-101

Dated:-

Confidential

To,

The Director,

Pt. Dwarka Prasad Mishra

Indian Institute of Information Technology, Design & Manufacturing,

Dumna Road, PO- Khamaria,

Jabalpur-482005

Subject:- Separate Audit Report on the accounts of Pt. DPM-IIITDM, Jabalpur for the year 2014-15.

Sir,

Please find enclosed herewith Separate Audit Report on the accounts of Pt. D.P. Mishra-IIITDM, Jabalpur for the year 2014-15. You are requested to ensure that the audited accounts are adopted by the Board of Governors before placing the same before the Parliament.

2. The date 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 the undersigned for information.
3. It may please be ensured that the previous SAR is presented either before or along with the current SAR. An undertaking to this effect may please be furnished.
4. Kindly acknowledge receipt.

End:-

1. Separate Audit Report
along with two Annexures

Yours faithfully,

Director (Central)



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 2015.

We have audited the attached Balance Sheet of Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing (Pt. DP Mishra IIITDM), Jabalpur as at 31 March 2015, and the Income & Expenditure Account and the Receipt & Payment Account for the ended on that date under Section 20 (1) of the Comptroller and 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 and 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 disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by 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 and Income & Expenditure Account and the Receipt & Payment Account dealt with by this report have been drawn up in the format prescribed by Ministry of Human Resources Development, Government of India vide order No 29-4/2012-FD dated 17 April 2015.



(iii) In our opinion, proper books of accounts 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

Application of funds

1 Loans, Advances & Deposits (Schedule 8) - ₹ 17.25 crore

1.1 This includes ₹ 54.91 lakh being the value of advance given to the DGS&D for supply of Computers and Air Conditioners. These equipment had been received before March 2014 and installed during 2014-15, but not capitalized. This resulted in over statement of Loans and Advances by ₹ 54.91 lakh, understatement of Fixed Assets by ₹ 46.18 lakh and understatement of expenditure (depreciation not charged) by ₹ 8.73 lakh.

1.2 Capital work in progress (Schedule 4) - ₹ 186.75 crore

This includes ₹35.94 crore being value of works completed and put to use but not capitalized. This resulted in over statement of Capital Works in Progress by ₹35.94 crore, understatement of Fixed Assets by ₹35.22 crore and understatement of expenditure (depreciation not charged) by ₹0.72 crore.

1.3 Current Assets (Schedule) - ₹ 27.22 crore

This does not include ₹ 0.45 lakh being rent receivable. This resulted in understatement of current assets and income to that extent.

Effect of Audit Comments on Accounts

The net impact of the comments given in the preceding paras is that the Sources of Funds (Assets) were overstated by ₹80.28 lakh, Expenditure and Income were understated by ₹ 80.73 lakh and ₹ 0.45 lakh respectively.

B. Grant-in-Aid

The Institute received grants in aid of ₹ 68.08 crore during the year. In addition to the above, it had unspent balance of ₹10.42 crore (grants - ₹5.61 crore and internal receipts ₹4.81 crore) of the previous year. Thus out of the available grants of ₹73.69 crore, the Institute could utilize an amount of ₹71.33 crore leaving a balance of ₹02.36 crore as unutilized grant as on 31st March 2015.



Besides above, the Institute also received project grants of ₹ 51.80 lakh details of which are enclosed at Annexure-2.

- (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 Accounting Policies and Notes on Accounts and subject to the significant matters stated above and other matters mentioned in Annexure-1 and 2 to this audit report give a true and fair view in conformity with accounting principles generally accepted in India:
 - (a) In so far as it relates to the Balance Sheet of the state of affairs of the Pt. D.P. Mishra IITDM, Jabalpur as at 31 March 2014; 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 C & AG of India

Director General of Audit



Annexure-1

1. **Adequacy of Internal Audit System:**

Internal Audit functions have been outsourced. A Chartered Accountant, firm, appointed for the job, has conducted the internal audit and has submitted the internal audit report for the period up to 31 March 2015. The internal audit system was found to be adequate.

2. **Adequacy of Internal Control System:**

The internal control system was found inadequate due to the following: -(i)
Internal Audit manual has not been prepared..

- (ii) No policy has been made for investment.
- (iii) Non preparation of list of unserviceable items.
- (iv) No security policy of data stored in computers.
- (v) Creditors amounting of ₹ 31.76 lakh were pending for settlement since 2011-12.

3. **System of Physical Verification of Assets:**

The physical verification of assets was not conducted since inception (2005-06) even though pointed out in earlier years' audit reports.

4. **System of Physical Verification of Inventories:**

The physical verification of inventories was not conducted since inception (2005-06) even though pointed out in earlier audit reports.

5. **Regularity in payment of statutory dues:**

The Institute was regular in payment of statutory dues.


Sr. Audit Officer/AMG-II



Annexure-2

Project wise details of Receipt and Utilisation of Grant-in-Aid during the year

Sl. No.	Name of the projects for which grants received or General Grants	Amount of grants brought forward from previous year FY 2013-14	Amount of grant received during the year 2014-15	Total grant received	Amount utilized during year FY 2014-15	Amount Refund during FY 2014-15	Amount unutilised as on 31/03/2015 carried forward to next year
		1	2	3=1+2	4	5	6
1	CONSTRAINED CURVE DRAWING ALGORITHMS FOR ROBOT MOTION PLANNING	23,087	0	23,087	0	23087	0
2	VIRTUAL LAB ON MANUFACTURING PROCESSES	8,73,096	44580	9,17,676	79397		8,38,279
3	IMPACT EVALUATION OF PUBLIC SERVICE GUARANTEE ACT-2010 (SCHOOL OF GOOD GOVERNANCE AND POLICY ANALYSIS)	54,951	2982	57,933			57,933
4	VIRTUAL LAB ON AUTOMATED SYSTEMS	7,64,460	38409	8,02,869	45703		7,57,166
5	BRIAN CONTROL MOBILE ROBOT	6,30,669	31240	6,61,909	96165	565744	0
6	PROCESS DEVELOPMENT FOR THE FABRICATION OF FREE FROM COMPONENT THROUGH INCREMENTAL SHEET FORMING	55,30,010	291046	58,21,056	709696		51,11,360
7	WAVELETS AND OPERATIONAL MATRIX BASED TECHNIQUES FOR INTEGRAL AND DIFFERENTIAL EQUATIONS	3,72,485	10928	3,83,413	0	383413	0
8	PRODUCTION ON COURSEWARE CONTENTS DEVELOPMENT FOR POST GRADUATE SUBJECT (E-PG-PATHSHALA)	6,95,063		6,95,063		695063	0
9	TIME-VARYING HARMONICS AND INTER HARMONICS ESTIMATION IN REAL TIME FOR ONLINE APPLICATIONS	9,26,067	80529	10,06,596	846350		1,60,246
10	DEVELOPMENT OF ADDITIVE SUBTRACTIVE INTEGRATED RP SYSTEM FOR IMPROVED PART QUALITY	0	827830	8,27,830	223052		6,04,778
11	DESIGN OF STOVE/CHULHA FOR RURAL MASSES OF INDIA	0	75000	75000	45000		30,000
12	ELECTRODEPOSITION OF MAGNETIC FILM IN THE PRESENCE OF EXTERNAL MAGNETIC FIELD	0	1550000	15,50,000			15,50,000
13	CENTRAL SECTOR SCHOLARSHIP SCHEME	1,86,000	2227000	24,13,000	1917000		4,96,000
	TOTAL	100,55,888	51,79,544	152,35,432	39,62,363	16,67,307	96,05,762

Ram
Audit Officer/AMG-II



Comments and Action taken regarding Audit Observations made in SAR for 2014-15

Sr. No.	Audit Observations made in SAR	Comments and Action Taken
1.	<p>A. Balance Sheet</p> <p>Application of funds</p> <p>1 Loans, Advances & Deposits (Schedule 8) - Rs. 17.25 crore</p> <p>1.1 This includes Rs.54.91 lakh being the value of advance given to the DGS&D for supply of Computers and Air Conditioners. These equipment's had been received before March 2014 and installed during 2014-15, but not capitalized. This resulted in over statement of Loans and Advances by Rs.54.91 lakh, understatement of Fixed Assets by Rs. 46.18 lakh and understatement of expenditure (depreciation not charged) by Rs. 8.73 lakh.</p> <p>1.2 Capital work in progress (Schedule 4) - Rs.186.75 crore</p> <p>This includes Rs.35.94 crore being value of works completed and put to use but not capitalized. This resulted in over statement of Capital Works in Progress by Rs. 35.94 crore, understatement of Fixed Assets by Rs.35.22 crore and understatement of expenditure (depreciation not charged) by Rs. 0.72 crore.</p> <p>1.3 Current Assets (Schedule) - Rs.27.22 crore</p> <p>This does not include Rs. 0.45 lakh being rent receivable. This resulted in understatement of current assets and income to that extent.</p> <p>Effect of Audit Comments on Accounts</p> <p>The net impact of the comments given in the preceding paras is that the Sources of Funds (Assets) were overstated by Rs.80.28 lakh, Expenditure and Income were understated by Rs.80.73 lakh and Rs.0.45 lakh respectively.</p>	<p>The same will be capitalized and reflected in the final accounts of the FY 2015-16</p> <p>Completion certificates from CPWD are awaited, assets will be capitalized on receipt of completion certificates from CPWD.</p> <p>A total of Rs. 21700/- towards license fee of three shops could not be accounted for as receivables. Audit has erroneously taken it as Rs. 45000/-. Same has been accounted for and will reflect in final accounts of the FY 2015-16</p>



Sr. No.	Audit Observations made in SAR	Comments and Action Taken
1.	<p>B. Grant-in-Aid</p> <p>The Institute received grants in aid of Rs. 68.08 crore during the year. In addition to the above, it had unspent balance of Rs.10.42 crore (grants - Rs.5.61 crore and internal receipts Rs.4.81 crore) of the previous year. Thus out of the available grants of Rs.73.69 crore, the Institute could utilize an amount of Rs.71.33 crore leaving a balance of Rs.02.36 crore as unutilized grant as on 31st March 2015. Besides above, the Institute also received project grants of Rs.51.80 lakh details of which are enclosed at Annexure-2.</p>	Comments only, no action required
2.	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.	Comments only, no action required
3.	<p>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 Accounting Policies and Notes on Accounts and subject to the significant matters stated above and other matters mentioned in Annexure-1 and 2 to this audit report give a true and fair view in conformity with accounting principles generally accepted in India:</p> <p>(a) In so far as it relates to the Balance Sheet of the state of affairs of the Pt. D.P. Mishra IIITDM, Jabalpur as at 31 March 2014; and</p> <p>(b) In so far as it relates to Income & Expenditure Account of the deficit for the year ended on that date.</p>	Comments only, no action required
4.	<p>Adequacy of Internal Audit System:</p> <p>Internal Audit functions have been outsourced. A Chartered Accountant, firm, appointed for the job, has conducted the internal audit and has submitted the internal audit report for the period up to 31 March 2015. The internal audit system was found to be adequate.</p>	Comments only, no action required
5.	<p>Adequacy of Internal Control System:</p> <p>The internal control system was found inadequate due to the following:-</p> <p>(i) Internal Audit manual has not been prepared.</p> <p>(ii) No policy has been made for investment.</p>	<p>(i) Will be prepared in due course of time.</p> <p>(ii) Only short term investments are made for limited period. A comprehensive policy will be placed in the next BOG for approval.</p>



Sr. No.	Audit Observations made in SAR	Comments and Action Taken
	<p>(iii) Non preparation of list of unserviceable items.</p> <p>(iv) No security policy of data stored in computers.</p> <p>(v) Creditors amounting of Rs.31.76 lakh were pending for settlement since 2011-12.</p>	<p>(iii) The departments and Sections have been requested to identify and compile the list of unserviceable items.</p> <p>(iv) Computer Center has been asked to take appropriate action.</p> <p>(v) These are works creditors and purchase creditors. Both section have been asked to settle the same in the FY 2015-16</p>
6.	<p>System of Physical Verification of Assets: The physical verification of assets was not conducted since inception (2005-06) even though pointed out in earlier years' audit reports.</p>	<p>Physical verification of assets was started by various committees. Later committees realized that first numbering on assets and unit wise assets list to be prepared. Process of numbering and preparation of unit wise list of assets is going on.</p>
7.	<p>System of Physical Verification of Inventories: The physical verification of inventories was not conducted since inception (2005-06) even though pointed out in earlier audit reports.</p>	<p>Will be done in the FY 2015-16</p>
8.	<p>Regularity in payment of statutory dues: The Institute was regular in payment of statutory dues.</p>	<p>Comments only, no action required</p>



Right to Information Act, 2005
Report
(01.04.2014 to 31.03.2015)

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:

1. Shri Prabodh Pandey Deputy Registrar Central Public Information Officer	2. Shri R P Dwivedi Registrar, First Appellate Authority	3. Prof P N Kondekar Professor Transparency Officer
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Other details are given below:

No. of RTI application received in the Institute	:	79
No. of RTI application replied by the Institute	:	79
No. of first appeals received by the Institute	:	17
No. of decisions passed by the FAA of the Institute	:	17
Amount collected as RTI fee and additional fee	:	Rs. 2,507/-

