



विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान, नागपुर
**Visvesvaraya National Institute of Technology
Nagpur, India**



वार्षिक प्रतिवृत्त 2014-15
Annual Report 2014-15



Bharat Rathna
Sir Mokshagundam Visvesvaraya
1860-1962



वार्षिक प्रतिवृत्त

ANNUAL REPORT

2014-15

विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान, नागपुर
Visvesvaraya National Institute of Technology,
Nagpur, India

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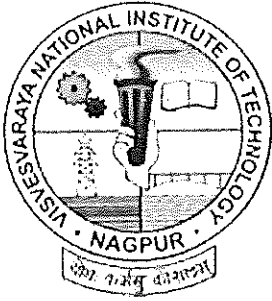
Preamble

VNIT, Nagpur which has its creed योगः कमस्तु कौशलम् believes in excellence as the mantra, not just for material but also human values. However excellence is always through rigorous and continuous efforts and not as a coincidence lest we become complacent,

Being a National Institute VNIT, Nagpur is positioned among the upper echelons of the academia in the country. This puts the institute at the focus of dreams and aspirations of all the stakeholders. The stakeholders are the students and their parents, the faculty members and the supporting staff and the society as a whole.

Being national in character, the Institute is a melting pot of students coming from diverse backgrounds and far off regions of the country. It is the youthful energy of these students that keeps the cauldron boiling. The raw energy of the students is tempered by the experience and erudition of the faculty, thus transforming them into able engineers and professionals ready to shoulder their responsibility in the world and contribute in the endeavour of nation building. It is indeed fascinating to be part of this complex process and experience its trials and tribulations. The Institute equally believes in knowledge generation through research and disseminating it the world over.

This annual report reflects the dreams and aspirations of VNIT and provides an opportunity for the stakeholders to pause and reflect back upon a year gone by and renew their efforts to imbibe the vision and accomplish the mission that it has set forth for itself.



Visvesvaraya National Institute
of Technology, Nagpur, India.



1 INTRODUCTION

The Visvesvaraya National Institute of Technology (VNIT), Nagpur is an Institute of National Importance established by an Act of Parliament, National Institute of Technology Act 2012 (No. 28 of 2012 in continuation of Principal Act (29 of 2007)). It is located in the heart of Nagpur city on sprawling campus of 214 acres. The official website address of VNIT is www.vnit.ac.in The Institute enjoys a prestigious positions in the country, especially in Central India, and is recognized as a pace-setting institute for other educational institutions in the region. The Institute runs 9 UG and 20 PG courses apart from PhD programmes in the area of Engineering, Architecture and Science.

1.1 Vision and Mission

VNIT believes in achieving its academic, research and social objectives with following Vision and mission statements.

Vision

To contribute effectively to the national endeavour of producing quality human resource of world class standard by developing a sustainable technical education system to meet the changing technological needs of the country incorporating relevant social concerns and to build an environment to create and propagate innovative technologies for the economic development of the nation.

Mission

The mission of VNIT is to achieve high standards of excellence in generating and propagating knowledge in engineering and allied disciplines. VNIT is committed to providing an education that combines rigorous academics with the joy of discovery. The Institute encourages its community to engage in a dialogue with society to be able to effectively contribute for the betterment of humankind.

1.2 Objectives

With the above vision and mission adopted by the Institute, VNIT has set before itself following objectives :

The national character of the Institute aims at contributing effectively to the national endeavor of producing quality human resource of world class standards by developing a sustainable technical education system to meet the changing technological needs of the country, incorporating relevant social concerns and to build an environment to create and propagate innovative technologies for the economic development of the nation.

VNIT is committed to generating and disseminating knowledge and to maintaining the highest standards of excellence. The Institute motivates its staff to work at the frontiers of academic enquiry and to enable the students to reach their full potential in an excellent academic and research environment. The Institute empowers the learning-teaching community to serve the changing needs of the society and nation and contribute effectively to improve the quality of life.

1.3 Education system

Under-graduate (UG) Programmes

The Institute offers UG programmes in Architecture and 8 Engineering and Technology streams. The duration of UG courses in engineering and technology is 4 years and in Architecture it is 5 years. All the courses are run on semester pattern.

Students having passed 12th standard examination with subjects English, Physics, Chemistry and Mathematics from State Boards of Secondary & Higher Secondary Education or equivalent are eligible for admission to VNIT and other NITs all over India. The admission is done on the basis of the rank obtained by the student in Joint Entrance Exam (JEE) Main conducted by Central Seat Allocation Board (CSAB) under the Ministry of HRD, Govt. of India.

Post-graduate (PG) Programmes

The Institute offers 17 PG programmes in engineering and architecture and three in basic sciences. Graduate Aptitude Test in Engineering (GATE) qualified candidates are

admitted to these programmes based on the rank obtained by the Centralized Counselling for M.Tech./M.Arch./M.Plan. (CCMT). Seats reserved for sponsored category are for candidates possessing minimum 2 years of work experience in the relevant field and are filled on the basis of inter-se merit in the written test/interview conducted by the respective departments of the Institute. Apart from regular intake, Institute offers additional seats in M Tech programs under TEQIP-II project and sponsored category.

Institute also offers M.Sc. degrees in the areas of Physics, Chemistry and Mathematics. The candidates are admitted on the basis of their scores in the Joint Admission Test (JAM) conducted by IIT for the admission to post-graduate courses. Vacancies, if any, are filled through a test conducted by the Institute.

Doctoral (Ph.D) Programmes

All the Engineering Departments, Science Departments and Architecture Department offer Ph.D. programmes. The admission to the respective Ph.D. programme is through written tests and interviews conducted by respective departments. The Institute currently has two QIP centres which are recognized for Ph.D. programmes.

1.4 New Initiatives

Center of Excellence : VNIT has been granted Center of Excellence on the theme of Applied Research in Electronics. Total fund of Rs. 5 crore have been sanctioned to this Center.

Student Mentor Programme : To enable constructive interaction, help and guidance to junior students (particularly, the first year students), by senior students, the students Mentor Programme (SMP) was launched in August 2013. Under this program, a senior students mentors about fifteen fresh students. Students Mentors, regularly meet the fresh students and report their observations to Faculty Co-ordinator.

Addition to Infrastructure

Faculty apartment buildings having a total of 24 apartments has been completed.

Construction of Sports Complex has been completed.

Construction of Classroom Complex has been started.

Extension building between Applied Mechanics and Civil Engineering Dept. is completed.

OVERVIEW

2. OVERVIEW

The Visvesvaraya National Institute of Technology, Nagpur which is now in its 54th year, has a rich heritage. Since inception, it has remained at the forefront of engineering education in the country. The overview of the institute and the human resources for these activities are presented here.

2.1 Historical Background

The Visvesvaraya National Institute of Technology, Nagpur is one of the thirty National Institutes of Technology in the country. The Central Government, by Act of Parliament (National Institutes of Technology Act, 2007 (29 of 2007)) declared VNIT Nagpur as an Institute of National Importance along with all other NITs. The Act came in to effect from 15th August 2007. Earlier, the Govt. of India had conferred on the Institute, the Deemed to be University status (under University Grants Commission Act, 1956 (3 of 1956)) with effect from 26th June, 2002.

Formerly, the Institute was known as Visvesvaraya Regional College of Engineering (VRCE). It was established in the year 1960 under the scheme sponsored by Govt. of India and Govt. of Maharashtra. The college was started in June 1960 by amalgamating the State Govt. Engineering College functioning at Nagpur since July 1956. In the meeting held in October 1962, the Governing Board of the College resolved to name it after the eminent engineer, planner and statesman of the country Sir M. Visvesvaraya.

2.2 Location

City of Nagpur which is considered as the geographical center of India has the distinction of being home to the Zero Mile Stone. Nagpur, known as Orange City is centrally located and well-connected to all the parts of the country by air, rail, and road. It is second capital of Maharashtra.

2.3 Campus

VNIT Campus is spread over an area of 214 acres near Ambazari lake. It presents a spectacle of harmony in architecture and natural beauty. The campus has been organized in four functional sectors ;

Hostels for students,

Academic area consisting of various central facilities.

Residential Sector for faculty members and supporting staff.

Sports Complex & Ground.

The academic buildings are located fairly close to both, the hostels and the staff quarters. The campus has full-fledged branches of State Bank of India and Canara Bank with ATM facility, and Post Office.

The Institute has its own Health Center with a residential Medical Officer. The specialized services of a Psychological Counselor, Dietician, Physiotherapist, Pathology lab, Yoga Centre, and also medical consultants in Ayurveda and Homeopathy are available. Patients suffering from serious illness requiring intensive care are referred to the Govt. Medical College and Hospital and health care centers duly approved under the CGHS.

An adequately equipped canteen is close to the instruction zone and hostels. Two more cafeterias exist on the campus. The Institute has a well equipped Gymkhana apart from various playgrounds for Tennis, Badminton, Volley Ball, Foot Ball, Hockey and Cricket. NCC unit is also located on campus.

2.4 Administration

As per the provisions of the NIT Act, the Board of Governors (BoG) is responsible for superintendence, direction, and control of the Institute. Thus, the BoG is vested with full powers over the

affairs of administration/management and finances of the Institute. Members of the Board represent Govt. of India, Govt. of Maharashtra, Industries, and faculty of the Institute. The Director is the principal academic and executive officer of the Institute. Besides the Board of Governors, the Senate, the Finance Committee and the Building and Works Committee are Statutory Committees and therefore, Authorities of the Institute.

Apart from these committees, the Board has the power to constitute various sub-committees for smooth and efficient administration. Thus, the Board has constituted the Stores Purchase Committee (SPC), Grievance Committee (GC), and Special Cell. The SPC administers the centralized procurement of equipment and material whereas the GC provides a mechanism for redressal of grievances of staff and faculty. The Special Cell functions to protect the interest of backward-class candidates through procedural, institutional and other safeguards.

The Institute has a Women Cell and a CVO for maintaining the various activities.

2.5 Academic Programmes

The institute offers Undergraduate programs, Post Graduate and Doctoral research programmes in Engineering, Architecture and Sciences disciplines. There are a nine Under Graduate programs consisting of eight B Tech and One B Arch program. The B Tech programs offer B Tech degree in Chemical, Civil, Computer Science, Electrical and Electronics, Electronics and Communication, Mechanical, Metallurgical and Materials and Mining. A total of seventeen Post Graduate courses offering M Tech degree and 3 Post Graduate programmes offering M.Sc. degree are conducted. All the Engineering, Architecture as well as Applied Science Departments (Physics, Chemistry and Mathematics Departments) also offer Doctoral Research programs.

Courses Offered

The list of the academic programs offered by the institute for the current year is as given below.

S.N.	Program	Department offering the program
(a) Under Graduate		
B.Tech		
1.	Chemical Engineering	Chemical Engineering
2.	Civil Engineering	Civil Engineering
3.	Computer Science Engineering	Computer Science Engineering
4.	Electronics & Communication Engineering	Electronics Engineering
5.	Electrical & Electronics Engineering	Electrical Engineering
6.	Mechanical Engineering	Mechanical Engineering
7.	Metallurgical & Materials Engineering	Metallurgical & Materials
8.	Mining Engineering	Mining Engineering
9.	Architecture	Architecture
(b) Post Graduate		
M.Tech		
1.	Environmental Engineering	Civil Engineering
2.	Water Resources Engineering	Civil Engineering
3.	Construction Technology & Management	
4.	Transportation Engineering	Civil Engineering
5.	VLSI Design	Electronics Engineering

6.	Communication System Engineering	Electronics Engineering
7.	Computer Science Engineering	Computer Science Engineering
8.	Industrial Engineering	Mechanical Engineering
9.	Hear Power Engineering	Mechanical Engineering
10.	CAD-CAM	Mechanical Engineering
11.	Integrated Power System	Electrical Engineering
12.	Power Electronics & Drives	Electrical Engineering
13.	Material Engineering	Metallurgical& Materials Engineering
14.	Structural Dynamics and Earthquake Engineering	Applied Mechanics
15.	Structural Engineering	Applied Mechanics
16.	Urban Planning	Architecture
17.	Excavation Engineering	Mining Engineering
	M.Tech (By Research)	All Engineering Departments and Architecture Department
	M.Sc.	
1.	Physics	Physics
2.	Chemistry	Chemistry
3.	Mathematics	Mathematics

(C) Ph.D. (Full Time/Part Time)

Ph.D. Program is offered in all Engineering, Applied Sciences, Architecture and Humanities and SS departments. Ph.D. under QIP scheme is offered by Electrical Engineering Department and Department of Metallurgy and Materials.

2.7 Admission Procedure

VNIT Nagpur follows the admission procedure for various programs as per the MHRD norms. This procedure is mentioned below :

Under Graduate Programs : B.Tech / B.Arch/

UG program seats are filled by JEE qualified candidates through centralized admission process conducted by the committee constituted by Govt. of India, Ministry of HRD. Reservation of seats is as per Govt. of India rules. In the year 2014-15, the centralized admission process was coordinated by MHRD constituted Central Seat Allocation Board (CSAB) HQ at MVIT, Jaipur.

Post Graduate Programms : M.Tech / M.Sc.

M.Tech program seats are filled by GATE qualified candidates. In the year 2013-14, the seat allocation was done through Central Counseling for M.Tech. (CCMT) constituted by Govt. of India, Ministry of HRD HQ at MNIT Jaipur. Reservation of seats is as per Govt. of India rules.

M.Sc. program seats were filled by JAM qualified candidates and Institute test. The seat allocation was done through a committee constituted by the institute. Reservation of seats is as per Govt. of India rules.

Ph.D. (Part Time / Full Time) program

There is no fixed quota of seats for Ph.D. program. The seats are decided as per the availability of Research Projects and Ph.D. guides in the concerned departments. Ph.D. programs (Full time / Part time) is advertised on the Institute website.

**Summary Table
Departments at Glance**

S N	Name of Dept	Journal Papers	Conference Papers	Ongoing Ph.D. Programme	Patents		Consultancy (In Lakhs)	Seminar Organized	Books Authored	R & D Projects
					Filed	Issued				(In Lakhs)
1.	Applied Mechanics	03	08	30	--	--	49.88355	03	01	8.44
2.	Architecture & Planning	10	02	19	--	--	138.85	03	--	46.41
3.	Applied Chemistry	22	08	22	02	-	01	01	03	106.876
4.	Chemical Engg	30	37	25	-	02	3.5	04	-	168.16
5.	Civil Engg.	57	40	48	04	01	35.51	05	02	165.07
6.	Computer Science & Engg.	04	08	33	01	--	2.00	08	--	19.50
7.	Electrical Engg.	15	26	53	03	--	5.6	09	--	11.56
8.	Electronics and Communication Engg.	09	25	44	02	00	00	09	02	75.37
9.	Humanities and Social Sciences	03	05	05	--	--	--	--	--	--
10.	Applied Mathematics	17	--	07	--	--	--	--	01	28.695
11.	Mechanical Engineering	25	37	76	02	02	-	07	01	67.24
12.	Metallurgical & Materials Engg.	27	09	25	01		1.70	02	--	360.44
13.	Mining	5	3	02	1	--	5.00	01	--	39.25
14.	Applied Physics	14	--	16	--	--	--	02	--	46.4
	Total	210	212	410	16	05	243.04355	54	09	1256.851



BoG, Senate & Various Committees

2.1 BOARD OF GOVERNORS

S. N.	NAME	Designation
1.	Mr. Vishram Jamdar, Industrialist, Kinetic Gears E-19/1, MIDC Area, Hingna Road, Nagpur – 440 028	Chairman
2.	Special Secretary (NITs), Department of Higher Education, Ministry of HRD, Govt. of India, "C" Wing, Shastri Bhavan, NEW DELHI – 110 115	Member
3.	Shri Amarjeet Sinha, Addl. Secretary (HRD), Ministry of HRD, Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI – 110 115	Member
4.	Shri Sanjeev Sharma, Director NITs, MHRD, NEW DELHI – 110 115	Member
5.	Shri Rajesh Singh, Director, Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI – 110 115	Member
6.	Shri Satpal Sharma, Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI – 110 115	Member
7.	Prof. (Ms.) Joyashree Roy, Professor, Department of Economics, Jadavpur University, Kolkata, 11, Central Park, KOLKATA – 700 032	Member
8.	Prof. S. C. Sahasrabudhe, Director, Dhirubhai Ambani Institute of Information & Communication Technology, Gandhinagar, Near Indroda Circle, GANDHINAGAR – 382 007	Member
9.	Prof. Uday N. Gaitonde, Deptt. of Mechanical Engineering, Indian Institute of Technology, Bombay Powai, Mumbai – 400 076	Member
10.	Dr. V. K. Didolkar Met. & Mat. Engineering Department, VNIT, Nagpur	Member
11.	Dr. Laxmikant M. Gupta Professor, Department of Applied Mech., VNIT, Nagpur	Member
12.	Dr. Narendra S. Chaudhari, Director, VNIT, Nagpur	Member
13.	Dr. Rajendra R. Yerpude Registrar, V.N.I.T., Nagpur	Member- Secretary

2.2 FINANCE COMMITTEE

S. N.	NAME	Designation
1.	Mr. Visham Jamdar, Industrialist, Kinetic Gears E-19/1,MIDC Area,Hingna Road,Nagpur – 440 028	Chairman
2.	Special Secretary (NITs), Department of Higher Education, Ministry of HRD, Govt. of India, "C" Wing, Shastri Bhavan, NEW DELHI – 110 115	Member
3.	Shri Amarjeet Sinha, Addl. Secretary (HRD), Ministry of HRD, Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI – 110 115	Member
4.	Shri Sanjeev Sharma, Director NITs, MHRD, NEW DELHI – 110 115	Member
5.	Shri Rajesh Singh, Director, Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI – 110 115	Member
6.	Prof. S. C. Sahasrabudhe, Director, Dhirubhai Ambani Institute of Information & Communication Technology, Gandhinagar, Near Indroda Circle, GANDHINAGAR – 382 007	Member
7.	Prof. Uday N. Gaitonde, Deptt. of Mechanical Engineering, Indian Institute of Technology, Bombay Powai, Mumbai – 400 076	Member
8.	Dr. Narendra S. Chaudhari, Director, VNIT, Nagpur	Member
9.	Dr. Rajendra R. Yerpude Registrar, V.N.I.T., Nagpur	Secretary

2.3 BUILDING AND WORKS COMMITTEE

S. N.	NAME	Designation
1.	Dr. Narendra S. Chaudhari, Director, VNIT, Nagpur	Chairman
2.	Shri Amarjeet Sinha, Addl. Secretary (HRD), Ministry of HRD, Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI – 110 115	Member
3.	Shri Sanjeev Sharma, Director NITs, MHRD, NEW DELHI – 110 115	Member
4.	Shri Rajesh Singh, Director, Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI – 110 115	Member
5.	Prof. S. C. Sahasrabudhe, Director, Dhirubhai Ambani Institute of Information & Communication Technology, Gandhinagar, Near Indroda Circle, GANDHINAGAR – 382 007	Member
6.	Dr. S. R. Sathe V.N.I.T., Nagpur	Member
7.	A. A. Sagne / Rajesh K. Khatke Chief Engineer, (Civil) Public Works Department (PWD) Bandhkam Sankul, B.No.39/I, Civil Lines, NAGPUR – 440001	Member
8.	R. R. Akulwar / V. N. Singne Supdt. Engineer (Electrical), Public Works Department, Bandhkam Sankul, B.No.39/I, Civil Lines, NAGPUR – 440001	Member
9.	Dr. R. R. Yerpude Registrar, V.N.I.T., Nagpur	Member-Secretary

2.4 SENATE

S. N.	Name	Design.
1	Dr. Narendra S. Chaudhari, Director, VNIT, Nagpur	Chairman
2	Prof. Milind Atrey, Professor and In-charge SINE, Department of Mechanical Engineering, IIT Bombay, Powai, MUMBAI – 400076	Member
3	Dr. (Ms.) Kamal Singh, Rtd. Vice-Chancellor of Amravati University Nelco Society, NAGPUR	Member
4	Prof. Meenakshi Gupta, Department of Humanities and Social Science, IIT Bombay, Powai, MUMBAI – 400076	Member
5	Prof. O. R. Jaiswal Dean (Academics), VNIT, Nagpur	Member
6	Dr. S. R. Sathe Dean (Planning & Development), VNIT, Nagpur	Member
7	Dr. P. M. Padole Dean (Faculty Welfare), VNIT, Nagpur	Member
8	Dr. H. M. Suryawanshi Dean (Research & Consultancy), VNIT, Nagpur	Member
9	Dr. G. P. Singh Dean (Students Welfare), VNIT, Nagpur	Member
10	Dr. S. V. Bakre Head, Deptt. of Applied Mechanics, VNIT, Nagpur	Member
11	Prof. L. M. Gupta Professor of Applied Mechanics, VNIT, Nagpur	Member
12	Dr. M. M. Mahajan Professor of Applied Mechanics, VNIT, Nagpur	Member
13	Dr. G. N. Ronghe Professor of Applied Mechanics, VNIT, Nagpur	Member
14	Dr. R. K. Ingle Professor of Applied Mechanics, VNIT, Nagpur	Member
15	Dr. V. K. Deshpande Head, Deptt. of Applied Physics, VNIT, Nagpur	Member
16	Dr. (Mrs.) Rajashree Kotharkar, Head, Dept. of Architecture, VNIT, Nagpur	Member
17	Dr. V. S. Adane Professor of Architecture, VNIT, Nagpur	Member
18	Dr. (Mrs.) Alpana Dongre, Professor of Architecture, VNIT, Nagpur	Member

S. N.	Name	Design.
19	Dr. K. L. Wasewar Head, Chemical Engg. Deptt., VNIT, Nagpur	Member
20	Dr. S. S. Umare Head, Deptt. of Chemistry, VNIT, Nagpur	Member
21	Dr. A. R. Tembhurkar Head, Civil Engg. Deptt., VNIT, Nagpur	Member
22	Dr. V. A. Mhaisalkar Professor of Civil Engineering, VNIT, Nagpur	Member
23	Dr. Rajesh Gupta Professor of Civil Engineering, VNIT, Nagpur	Member
24	Dr. Y. B. Katpatal Professor of Civil Engg., VNIT, Nagpur	Member
25	Dr. P. S. Deshpande Head, Department of Computer Sc. & Engg., VNIT, Nagpur	Member
26	Dr. M. V. Aware Head, Deptt. of Electrical Engg., VNIT, Nagpur	Member
27	Dr. K. D. Kulat Head, Dept. of Electronics Engineering, VNIT, Nagpur	Member
28	Dr. R. B. Deshmukh Head, Centre of VLSI and Nano Technology, VNIT, Nagpur	Member
29	Dr. Avinash G. Keskar Professor of Electronics Engg., VNIT, Nagpur	Member
30	Dr. Rajendra M. Patrikar Professor of Electronics & Engg., VNIT, Nagpur	Member
31	Dr. Abhay S. Gandhi Professor of Electronics Engineering, VNIT, Nagpur	Member
32	Dr. Yogesh M. Deshpande, Head, Deptt. of Humanities, VNIT, Nagpur	Member
33	Dr. P. P. Chakravarthy Head, Deptt. of Mathematics, VNIT, Nagpur	Member
34	Dr. Shashikant B. Thombre Head, Deptt. of Mechanical Engg., VNIT, Nagpur	Member
35	Dr. Animesh Chatterjee Professor of Mechanical Engg., VNIT, Nagpur	Member
36	Dr. A. M. Kuthe Professor of Mechanical Engg., VNIT, Nagpur	Member
37	Dr. R. K. Paretkar Head, Deptt. of Metallurgical & Materials Engg., VNIT, Nagpur	Member

S. N.	Name & Designation	Designation
38	Dr. S. G. Sapate Professor of Metallurgical & Materials Engg., VNIT, Nagpur	Member
39	Dr. Dilip R. Peshwe Professor of Metallurgical & Materials Engg., VNIT, Nagpur	Member
40	Dr. A. P. Patil Professor of Metallurgical & Materials Engg., VNIT, Nagpur	Member
41	Prof. I. L. Muthreja Head, Deptt. of Mining Engg., VNIT, Nagpur	Member
42	Dr. N. R. Thote Chairman, BoS, Mining Engg., VNIT, Nagpur	Member
43	Dr. A. B. Andhare Associate Prof. of Mech. Engg. & Assoc. Dean T&P, VNIT, Nagpur	Member
44	Dr. D. H. Lataye Associate Dean, Hostels, VNIT, Nagpur	Member
45	Dr. R. R. Yerpude Registrar, VNIT, Nagpur	Member-Secretary

2.5 STUDENT REPRESENTATIVES

1	Aaditya Hambarde	UG Acad Affairs Secretary
2	Malvika R	PG Acad Affairs Secretary

2.6 NIT COUNCIL

NAME & DESIGNATION
SHRI AMARJEET SINHA Additional Secretary (Technical Education) Ministry of Human Resource Development Member – Secretary, Council of NITs
SHRI YOGENDRA TRIPATHI Joint Secretary & Financial Adviser Ministry of Human Resource Development
SHRI RAKESH GARG , Secretary Department of Information Technology Ministry of Communication & Information Technology, New Delhi
DR. P.S. AHUJA Director General Council of Scientific & Industrial Research (CSIR), New Delhi
DR. V.K. SARASVAT Chairperson, Board of Governors Motilal Nehru National Institute of Technology, Allahabad
PROF. G.K. MEHTA Chairperson, Board of Governors Maulana Azad National Institute of Technology, Bhopal

NAME & DESIGNATION
DR. C.G. KRISHNADAS NAIR Chairperson, Board of Governors National Institute of Technology, Calicut
DR. K.K. AGGARWAL Chairperson, Board of Governors Malaviya National Institute of Technology, Jaipur
DR. ANIL KAKODKAR Chairperson, Board of Governors Dr. B.R. Ambedkar National Institute of Technology, Jalandhar
SHRI VISHRAM JAMDAR Chairperson, Board of Governors Visvesvaraya National Institute of Technology, Nagpur
PROF. M.B. VERMA Chairperson, Board of Governors National Institute of Technology, Patna
SHRI SUDHIR VASUDEVA Chairperson, Board of Governors National Institute of Technology, Raipur
SHRI B.S. SUDHIR CHANDRA Chairperson, Board of Governors National Institute of Technology, Rourkela
PROF. ASIS DATTA Chairperson, Board of Governors National Institute of Technology, Silchar
SHRI WAJAHAT HABIBULLAH Chairperson, Board of Governors National Institute of Technology, Srinagar
DR. J. NARAYANA DAS Chairperson, Board of Governors Sardar Vallabhbhai National Institute of Technology, Surat
PROF. RAJARAM NITYANANDA Chairperson, Board of Governors National Institute of Technology, Tiruchirappalli
DR. GOPAL MUGERAYA Director National Institute of Technology, Agartala
PROF. PARTHASARTHI CHAKRABORTI Director Motilal Nehru National Institute of Technology, Allahabad
DR. APPU KUTTAN K.K. Director Maulana Azad National Institute of Technology, Bhopal
DR. V.K. GOVINDAN Director (I/C) National Institute of Technology, Calicut
PROF. TARK ESHWAR KUMAR Director National Institute of Technology, Durgapur
PROF. RAJNISH SHRIVASTAVA Director National Institute of Technology, Hamirpur
PROF. I.K. BHAT Director Malaviya National Institute of Technology, Jaipur
DR. SAMIR KUMAR DAS Director Dr. B.R. Ambedkar National Institute of Technology, Jalandhar
PROF. RAMBABU KODALI Director National Institute of Technology, Jamshedpur
DR. ANAND MOHAN Director National Institute of Technology, Kurukshetra
DR. N.S. CHAUDHARI Director Visvesvaraya National Institute of Technology, Nagpur
PROF. ASOK DE Director National Institute of Technology, Patna
DR. SUDARSHAN TIWARI Director National Institute of Technology, Raipur
PROF. SUNIL KUMAR SARANGI Director National Institute of Technology, Rourkela
PROF. RAJAT GUPTA Director National Institute of Technology, Srinagar

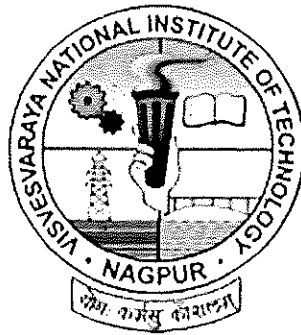
NAME & DESIGNATION	
DR. P.D. POREY Director	Sardar Vallabhbhai National Institute of Technology, Surat
PROF. SWAPAN BHATTACHARYA Director	National Institute of Technology Karnataka, Surathkal
DR. S. SUNDARRAJAN Director	National Institute of Technology, Tiruchirappalli
PROF. T. SRINIVASA RAO Director	National Institute of Technology, Warangal
DR. GAGAN PRATHAP Chairperson,	Board of Governors National Institute of Technology, Arunachal Pradesh
SHRI R. SANTHANAM Chairperson,	Board of Governors National Institute of Technology, Delhi
PROF. D.K. BASU Chairperson,	Board of Governors National Institute of Technology, Meghalaya
DR. C.T. BHUNIA Director	National Institute of Technology, Arunachal Pradesh
DR. AJAY K. SHARMA Director	National Institute of Technology, Delhi
DR. G.R.C. REDDY Director	National Institute of Technology, Goa
DR. S. BIRENDRA SINGH Director	National Institute of Technology, Manipur
PROF. DILIP KUMAR SAIKIA Director	National Institute of Technology, Meghalaya
PROF. U.C. RAY Director	National Institute of Technology, Mizoram
DR. V. RAMACHANDRAN Director	National Institute of Technology, Nagaland
DR. (MRS.) S.K. PANDEY Director	National Institute of Technology, Puducherry
DR. A.B. SAMADDAR Director	National Institute of Technology, Sikkim
PROF. H.T. THORAT Director	National Institute of Technology, Uttarakhand
SHRI A.K. PIPAL Additional Director,	D/o Electronics & Information Technology (DEITY), New Delhi
SHRI SANJEEV KUMAR SHARMA Director (NITs),	Ministry of Human Resource Development
SHRI R. SRINIVASAN Director (TE),	Ministry of Human Resource Development
SPECIAL INVITEES	
DR. NAGESH SINGH Economic Adviser (SE&L),	Ministry of Human Resource Development
DR. S. S. GOKHALE Member NIT-Review Committee & Former Director VNIT-Nagpur	
DR. SANDEEP SANCHETI Member NIT-Review Committee & Former Director NIT-Delhi	
DR. R.K. INGLE Coordinator NIT Review Committee & Dean VNIT-Nagpur	

2.7 STORES PURCHASE COMMITTEE

S.N.	Name	Designation
1	Dr. S. R. Sathe	Chairman & Dean (P&D)
2	Dr. H. M. Suryawanshi	Dean (R&C)
3	Dr. R. R. Yerpude	Registrar
4	Dr. V. B. Borghate	Assoc. Dean (Purchases)
5	Dr. S. B. Thombre	HoD Mechanical Engg.
6	Shri. V. K. Sinha	Director, NPTI
7	Shri. K. N. Dakhale	Dy. Registrar (Stores)

2.8 GRIEVANCE COMMITTEE

S.N.	Name	Designation
1	Dr. G. N. Ronghe, Prof. in Structural Engg, Dept. of Applied Mechanics	Chairman
2	Dr. Anjan Patel, Assistant Professor, Dept. of Civil Engg.	Member
3	Shri. Ashok Thakur, Sr. Assistant, (President, Non-Teaching employees Union)	Member-(Ex-Officio)
4	Nominee of the Director, NEERI, Nagpur	Member
5	Prof. K. S. Kapse, Associate Prof., Dept. of Architecture and Planning	Member (Ex-Officio)
6	Dr. N. R. Thote, Professor, Dept. of Mining Engg.	Member-Secretary



Academic Programs

3.1 Academic Programs

The institute offers Undergraduate program, Post Graduate and Doctoral research programs in Engineering, Architecture and Sciences discipline. The Under-Graduate i.e. 8 B. Tech. and B Arch programs, Post Graduate i.e. 17 M Tech and 3 M Sc programs, and Doctoral research programs are offered.

3.2 Programs Offered

S N	Program	Duration
(a)	B Arch/B Tech	
1	Architecture	5 years (10 semesters)
2	Chemical Engineering	4 years (8 semesters)
3	Civil Engineering	---
4	Computer Science Engineering	---
5	Electronics & Communication Engineering	---
6	Electrical & Electronics Engineering	---
7	Mechanical Engineering	---
8	Metallurgical & Materials Engineering	---
9	Mining Engineering	---
(b)	M Tech	2 years (4 semesters)
1	Environmental Engineering	---
2	Water Resources Engineering	---
3	Construction Technology & Management	---
4	Transportation Engineering	---
5	VLSI Design	---
6	Communication System Engineering	---
7	Computer Science Engineering	---
8	Industrial Engineering	---
9	Heat Power Engineering	---
10	CAD-CAM	---
11	Integrated Power System	---
12	Power Electronics & Drives	---
13	Material Engineering	---
14	Structural Dynamics and Earthquake Engineering	---
15	Structural Engineering	---
16	Urban Planning	---
17	Excavation Engineering	
(c)	M Sc	
1	M Sc Chemistry	---
2	M Sc Mathematics	---
3	M Sc Physics	---
(d)	Ph. D. (Full / Part time)	3 / 4 years

3.2 Programs offered

S N	Program	Department offering the program
(a)	Under Graduate	
	B Tech	
1	Chemical Engineering	Chemical Engineering
2	Civil Engineering	Civil Engineering
3	Computer Science Engineering	Computer Science Engineering
4	Electronics & Communication Engineering	Electronics Engineering
5	Electrical & Electronics Engineering	Electrical Engineering
6	Mechanical Engineering	Mechanical Engineering
7	Metallurgical & Materials Engineering	Metallurgical & Materials Engineering
8	Mining Engineering	Mining Engineering
	B Arch	
9	Architecture	Architecture
(b)	Post Graduate	
	M Tech	
1	Environmental Engineering	Civil Engineering
2	Water Resources Engineering	Civil Engineering
3	Construction Technology & Management	Civil Engineering
4	Transportation Engineering	Civil Engineering
5	VLSI Design	Centre for VLSI and Nano-Technology
6	Communication System Engineering	Electronics Engineering
7	Computer Science Engineering	Computer Science Engineering
8	Industrial Engineering	Mechanical Engineering
9	Heat Power Engineering	Mechanical Engineering
10	CAD-CAM	Mechanical Engineering
11	Integrated Power System	Electrical Engineering
12	Power Electronics & Drives	Electrical Engineering
13	Material Engineering	Metallurgical & Materials Engineering
14	Structural Dynamics and Earthquake Engineering	Applied Mechanics
15	Structural Engineering	Applied Mechanics
16	Urban Planning	Architecture
17	Excavation Engineering	Mining Engineering
	M Sc	
1	Physics	Applied Physics
2	Chemistry	Applied Chemistry
3	Mathematics	Applied Mathematics
(c)	Ph. D. (Full / Part Time)	All Engineering, Applied Sciences and Humanities department

**3.2 A Program - wise Enrolment - B Arch/B Tech
As per Category**

S N	Program Name	OBC			OP			SC			ST			DASA/MEA/ ICCR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	Architecture	61	43	104	70	59	129	28	18	46	14	9	23	8	10	18	181	139	320
2	Chemical Engineering	71	24	95	122	40	162	43	12	55	22	7	29	7	5	12	265	88	353
3	Civil Engineering	81	24	105	135	38	173	55	10	65	25	5	30	8	6	14	304	83	387
4	Computer Science Engineering	90	23	113	130	58	188	44	14	58	21	5	26	18	12	30	303	112	415
5	Electrical and Communication Engineering	62	38	100	100	81	181	30	25	55	23	8	31	15	12	27	230	164	394
6	Electrical and Electronics Engineering	84	19	103	110	66	176	35	22	57	22	4	26	15	5	20	266	116	382
7	Mechanical Engineering	104	2	106	173	10	183	52	3	55	27	0	27	32	2	34	388	17	405
8	Metallurgical and Materials Engineering	74	25	99	124	39	163	46	8	54	18	6	24	0	1	1	262	79	341
9	Mining Engineering	45	1	46	58	2	60	22	1	23	9	1	10	0	0	0	134	5	139
Total		672	199	871	1022	393	1415	355	113	468	181	45	226	103	53	156	2333	803	3136

3.2 B Program-wise Enrolment

(A) As per Gender:

B Arch/B Tech Programs				
SN	Program Code	Male	Female	Total
1	Architecture	181	139	320
2	Chemical Engineering	265	88	353
3	Civil Engineering	304	83	387
4	Computer Science Engineering	303	112	415
5	Electronics and Communication Engineering	230	164	394
6	Electrical and Electronics Engineering	266	116	382
7	Mechanical Engineering	388	17	405
8	Metallurgical and Materials Engineering	262	79	341
9	Mining Engineering	134	5	139
	Total (A)	2333	803	3136
M Tech Programs				
1	Environmental Engineering	35	13	48
2	Water Resources Engineering	22	13	35
3	Construction Technology & Management	34	6	40
4	Transportation Engineering	26	12	38
5	VLSI Design	41	11	52
6	Communication System Engineering	33	12	45
7	Computer Science Engineering	35	16	51
8	Industrial Engineering	44	2	46
9	Heat Power Engineering	45	2	47
10	CAD-CAM	48	3	51
11	Integrated Power System	36	10	46
12	Power Electronics & Drives	42	4	46
13	Material Engineering	31	3	34
14	Structural Dynamics and Earthquake Engineering	28	8	36
15	Structural Engineering	34	11	45
16	Urban Planning	21	16	37
17	Excavation Engineering	19	0	19
	Total (B)	574	142	716
M Sc Programs				
1	M Sc Chemistry	19	16	35
2	M Sc Mathematics	20	14	34
3	M Sc Physics	19	15	34
	Total (C)	58	45	103
	M. Tech. (by Research) (D)	21	4	25
	Ph D (E)	307	103	410
	Total (A+B+C+D+E)	3293	1097	4390

M Tech Programs

S N	Program Name	OBC			OP			SC			ST			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	Environmental Engineering	9	6	15	17	6	23	7	0	7	2	1	3	35	13	48
2	Water Resources Engineering	6	2	8	11	8	19	3	2	5	2	1	3	22	13	35
3	Construction Technology & Management	13	1	14	12	5	17	7	0	7	2	0	2	34	6	40
4	Transportation Engineering	7	4	11	12	6	18	5	1	6	2	1	3	26	12	38
5	VLSI Design	17	1	18	18	5	23	3	4	7	3	1	4	41	11	52
6	Communication System Engineering	8	4	12	18	4	22	6	2	8	1	2	3	33	12	45
7	Computer Science Engineering	10	1	11	15	11	26	8	2	10	2	2	4	35	16	51
8	Industrial Engineering	15	0	15	19	1	20	8	0	8	2	1	3	44	2	46
9	Heat Power Engineering	14	1	15	21	1	22	8	0	8	2	0	2	45	2	47
10	CAD-CAM	19	1	20	19	2	21	7	0	7	3	0	3	48	3	51
11	Integrated Power System	9	3	12	18	6	24	8	0	8	1	1	2	36	10	46
12	Power Electronics & Drives	13	1	14	21	2	23	5	1	6	3	0	3	42	4	46
13	Materials Engineering	8	0	8	15	2	17	7	1	8	1	0	1	31	3	34
14	Structural Dynamics and Earthquake Engineering	7	3	10	14	4	18	5	1	6	2	0	2	28	8	36
15	Structural Engineering	14	4	18	15	5	20	3	2	5	2	0	2	34	11	45
16	Urban Planning	6	4	10	11	7	18	4	3	7	0	2	2	21	16	37
17	Excavation Engineering	6	0	6	8	0	8	4	0	4	1	0	0	19	0	19
Total		181	36	217	264	75	339	98	19	117	31	12	42	574	142	716

3.2 C M Sc Programs

S N	Program Name	OBC			OP			SC			ST			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	M Sc Chemistry	6	5	11	12	8	20	1	3	4	0	0	0	19	16	35
2	M Sc Mathematics	6	5	11	11	8	19	3	1	4	0	0	0	20	14	34
3	M Sc Physics	7	6	13	9	7	16	3	2	5	0	0	0	19	15	34
Total		19	16	35	32	23	55	7	6	13	0	0	0	58	45	103

3.2 D Ph.D. Program

There is no specific seats intake in Ph D program. Admission is given through institute advertisement. Candidates are selected thorough written test and interview conducted of short listed at the respective department. On recommendation of Departmental Research Committee (DRC), the candidates are given registration. The registration is valid for a period of six years from the date of registration. Candidate selected for full time Ph D program are given fellowship as per norms. For each research scholar research progress committee is constituted and scholar is required to undergo coursework as specified by RPC. Minimum duration for submission of thesis is 4 years for Ph D (Part Time) and 3 years for Ph D (Full Time). The candidates nominated by the QIP centre are interviewed by the institute committee and recommendations of committee are sent to QIP centre. Admission is offered to candidate after the consent from QIP Centre. Since last three years, only full time Ph.D programs are runned.

3.3 Admission Procedure

Under Graduate Programs: B Tech / B Arch

UG program seats are filled by JEE qualified candidates through centralized admission process conducted by the committee constituted by Govt. of India, Ministry of HRD. Reservation of seats is as per Govt. of India rules. In the year 2014-15, the centralized admission process was coordinated by MHRD constituted Central Seat Allocation Board (CSAB) HQ at MNIT, Jaipur.

Post Graduate Programs: M Tech / M Sc

M Tech program seats are filled by GATE qualified candidates. In the year 2014-15, the seat allocation was done through Central Counseling for M Tech (CCMT) constituted by Govt. of India, Ministry of HRD HQ at MNIT Jaipur. Reservation of seats is as per Govt. of India rules.

M Sc program seats were filled by JAM qualified candidates. The seat allocation was done through a committee constituted by the institute. Reservation of seats is as per Govt. of India rules.

3.4 Students

In the year 2014-15, 760 students (517 Male and 243 Female) were admitted in B Tech/B Arch programs, 375 (295 Male and 80 Female) in M Tech programs, 55 (29 Male & 26 Female) in M Sc programs, 90 (69 Male and 21 Female) in Ph D program.

3.5 Examination & Evaluation

UG and PG programs are run on semester basis. Students are required to register courses every semester. Course evaluation mainly includes two sessional tests, end semester examination and any other assessment. Evaluation pattern is Credit Point Based and grades are awarded on assessment. There is no provision for improvement of grade. Students are required to re-register course/s in which he/she obtains FF (Fail grade) in the subsequent next semester for FF grade course/s. Students performance is indicated by CGPA (Cumulative Grade Point Average) and are not awarded any division / percentage.

3.6 Admission statistics (new admissions) during 2014-15

B Arch/B Tech

S N	Program Name	Intake	Admitted thr JEE	Admitted thr DASA/ICCR/MEA	Total	M	F
1	Architecture	62	60	2	62	27	35
2	Chemical Engineering	92	90	4	94	66	28
3	Civil Engineering	92	89	6	95	71	24
4	Computer Science Engineering	92	89	7	96	58	38
5	Electronics and Communication Engineering	92	92	6	98	49	49
6	Electrical and Electronics Engineering	92	90	6	96	58	38
7	Mechanical Engineering	92	90	7	97	88	9
8	Metallurgical and Materials Engineering	92	83	0	83	64	19
9	Mining Engineering	40	39	0	39	36	3
	Total	746	722	38	760	517	243

Seats admitted under DASA/ICCR/MEA are over & above intake

M Tech

S N	Program Name	Intake	Admitted	M	F
1	Environmental Engineering	26	25	18	7
2	Water Resources Engineering	22	16	8	8
3	Construction Technology & Management	22	21	19	2
4	Transportation Engineering	22	20	14	6
5	VLSI Design	26	26	21	5
6	Communication System Engineering	26	23	17	6
7	Computer Science Engineering	26	27	15	12
8	Industrial Engineering	25	24	22	2
9	Heat Power Engineering	25	24	23	1
10	CAD-CAM	25	24	22	2
11	Integrated Power System	25	25	19	6
12	Power Electronics & Drives	25	26	23	3
13	Materials Engineering	22	19	17	2
14	Structural Dynamics and Earthquake Engineering	22	22	17	5
15	Structural Engineering	25	23	18	5
16	Urban Planning	22	19	11	8
17	Excavation Engineering	22	11	11	0
	Total	408	375	295	80

M Sc

S N	Program Name	Intake	Admitted	M	F
1	M Sc Physics	20	18	9	9
2	M Sc Chemistry	20	18	8	10
3	M Sc Mathematics	20	19	12	7
	Total	60	55	29	26

Ph D

1	Ph D	-	90	69	21
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3.7 Break-up of Seats:

Category	Intake	Admitted
B Arch/B Tech program		
OB	201	199
OP	377	362
SC	112	111
ST	56	50
Total	746	722
M Tech program		
OB	101	109
OP	189	183
SC	56	59
ST	28	24
Total	374	375
M Sc program		
OB	16	16
OP	30	30
SC	9	9
ST	5	0
Total	60	55

3.8 Student's Total Strength

Program	No of Students
B Arch/B Tech	3136
M Tech	716
M Sc	103
M Tech (by Research)	25
Ph. D.	410
Total	4390



Convocation 2014

12th Convocation

4.1 General Information

Institute awards the topper students of all programs every year for meritorious performance. The awards/prizes to students of final year are given at the convocation function of the institute. Institute convocation was conducted on 15th September, 2014. Following awards/prizes were given to students who completed degree requirement by Summer 2014 examination. Awards list and list of recipients of award/prizes is given below.

4.2 Awards/Prizes list

SN	Award	Criteria
1.	Sir Visvesvaraya Medal	Highest CGPA amongst all disciplines of B. Tech. program
2.	Institute Medal	Highest CGPA in B. Tech. (Program -wise) / B.Arch.
3.	Academic Excellence Prize	Highest CGPA in B. Tech. (Program -wise) / B. Arch./ M. Tech Program (Program-wise)
4.	Late Shri N.G. Joshi Prize	Highest CGPA amongst all disciplines of B. Tech. program
5.	Watwe Education Trust Prize	Highest CGPA in B. Tech. Electrical & Electronics Engg./ Mechanical Engg./ Civil Engg.
6.	Late Shri Vishnu Diwakar Alias Bhausahab Gijre Prize	Highest CGPA in B. Tech. Civil Engg
7.	P.J. Sahastrabudhe Memorial Prize	Highest CGPA in B. Tech. Civil Engg
8.	Late Shri C.T. Gharpure Prize	Highest CGPA in B. Tech. Civil Engg
9.	Shri L.J. Sane Prize	Highest CGPA amongst all disciplines of B. Tech. Electrical Engg.
10.	Late Shri J.M. Gawande Prize	Highest CGPA amongst Candidates from OBC category in B. Tech. Mechanical Engg.
11.	Shri Prashant Palamkar Memorial Prize	Highest CGPA in B. Tech. Mining Engg.
12.	Poornima Prize	Highest SGPA by girl student in Final year B. Arch
13.	Purna Award – I / II	Highest CGPA (First/Second) in M. Tech. Environmental Engg. Program
14.	Shri Bhide Memorial Prize	Highest CGPA in M. Tech. Environmental Engg. Program
15.	Dr. S.S. Kulkarni Prize	Highest CGPA in M. Tech. Structural Engg. Program
16.	Late Smt. Shalini Pangarkar Prize	Highest CGPA in B. Tech. Mechanical Engg
17.	Late Dr. V.M. Pangarkar Prize	Highest CGPA in B.Arch.
18.	Late Shri B.M. Gupta Prize	Highest CGPA in M. Tech. Industrial Engg. Program
19.	Late Prof. M.S. Joshi Gold Medal	Highest CGPA in B. Tech. Civil Engg
20.	In Memory of Ms. Madhur Dahake Gold Medal	Highest CGPA amongst Girl Candidates in B. Tech. Electronics & Communication Engg.
21.	Late Dr. M.K. Joshi Prize	Highest CGPA in B. Tech. Metallurgical & Materials Engg.
22.	Akhilesh Gedam Memorial Prize	Highest CGPA in B. Tech. Electronics & Communication Engg.
23.	Prof. S. D. Adane Gold Medal	Highest CGPA in B. Arch.
24.	In memory of Dr A G Paithankar prize	Highest CGPA amongst all disciplines of B. Tech. program



Convocation - 2014

SN	Award	Criteria
25.	Late Ms. Pratibha Bujade Gold Medal	Highest CGPA amongst girls from SC category in B. Tech .Program
26.	Late Dr. V.N. Joshi Prize	Highest CGPA in B. Tech. Mechanical Engg
27.	Ar. Bharat Yamsanwar Award	Highest CGPA in M. Tech Urban Planning Program.
28.	Late Mahamahopadhyay Padmavibhushan Dr. V. V. Mirashi Gold Medal	Highest CGPA amongst all disciplines of B. Tech. program
29.	Late Amol Krishnarao Kawadkar Medal	Highest CGPA in B. Tech. Civil Engg
30.	Late Shri Hemant Karkare Prize	Highest CGPA in B. Tech. Mechanical Engg
31.	Late Shri Parag Tijare Prize – I /II	Highest CGPA (First/Second) in B.Tech. Computer Science Program.
32.	Late Shri A H Reddy Prize	Highest CGPA in B Tech Mining Engg
33.	Late Shri Sadiq Vali Gold Medal	Highest CGPA in B Tech Civil Engg
34.	Late Dr P R Bhawe Prize	Highest Marks in course Water Distribution Systems in B Tech Civil Engg
35.	Dr. S. C. Singhal Gold Medal	Highest Marks in course Mine Planning in B Tech Mining Engg

4.3 Students awarded prizes / medals (program wise) for excellence in studies in the year 2013-14 at the Institutes 12th Convocation Function.

B Tech / B Arch Program

S N	Student	Award	Criterion	CGPA/ SGPA
1	Mittal Vikas Vimal BT10MEC037 (11859) Bharade Ashwini Dilip BT10ECE022 (11632)	Sir Visvesvaraya Medal	Highest CGPA amongst all disciplines of B.Tech. program	9.84
		Late Shri N.G. Joshi Prize	Highest CGPA amongst all disciplines of B.Tech. program	
		Late Dr. A.G. Paithankar Medal	Highest CGPA amongst all disciplines of B.Tech. program	
		Late Mahamahopadhyay Padmavibhushan Dr. V.V. Mirashi Gold Medal	Highest CGPA amongst all disciplines of B.Tech. program	
2	Mittal Vikas Vimal BT10MEC037 (11859)	Academic Excellence Prize	Highest CGPA in B.Tech.Mechanical Engg	9.84
		Watwe Education Trust Prize	Highest CGPA in B.Tech.Mechanical Engg	
		In Memory of Shri Hemant Karkare instituted by the Institute Prize	Highest CGPA in B.Tech.Mechanical Engg	
		Late Smt. Shalini Pangarkar Prize	Highest CGPA in B.Tech.Mechanical Engg	
		Late Dr. V.N. Joshi Prize	Highest CGPA in B.Tech.Mechanical Engg	

S N	Student	Award	Criterion	CGPA/ SGPA
3	Bharade Ashwini Dilip BT10ECE022 (11632)	Academic Excellence Prize	Highest CGPA in B.Tech. Electronics & Comm. Engg.	9.84
		Akhilesh Gedam Memorial Prize	Highest CGPA in B.Tech. Electronics & Comm. Engg.	
		In memory of Ms. Madhur Dahake Gold Medal	Highest CGPA amongst Girl Candidates in B.Tech Electronics & Communication Engg.	
4	Raj Y Parikh BT10CHE054 (12462)	Institute Medal	Highest CGPA in B.Tech.Chemical Engg	9.56
		Academic Excellence Prize	Highest CGPA in B.Tech.Chemical Engg	
5	Junghare Vipula Baban BT10CIV034 (12019)	Institute Medal	Highest CGPA in B.Tech. Civil Engg	9.56
		Academic Excellence Prize	Highest CGPA in B.Tech.Civil Engg	
		Watwe Education Trust Prize	Highest CGPA in B.Tech.Civil Engg.	
		Late Shri Vishnu Diwakar Alias Bhausaheb Gijre Prize	Highest CGPA in B.Tech.Civil Engg	
		P.J. Sahastrabudhe Memorial Prize	Highest CGPA in B.Tech.Civil Engg	
		Late Shri C.T. Gharpure Prize	Highest CGPA in B.Tech.Civil Engg	
		Late Prof. M.S. Joshi Gold Medal	Highest CGPA in B.Tech.Civil Engg	
		Late Amol Krishnarao Kawadakar Medal	Highest CGPA in B.Tech.Civil Engg	
		Late Shri Sadik Vali Gold Medal	Topper Candidate of B. Tech. Civil Engg.	
6	Popat Rishabh Chitesh BT10CIV093	Late Shri P.R.Bhave Prize	Highest Marks in Water Distribution Systems (CEL414)	86
7	Khairnar Shital Suresh BT10ECE039 (11891)	Late Ms. Pratibha Bujade Gold Medal (ECE Branch) (SC)	*Highest CGPA amongst Girls from SC/ST category in B.Tech. Civil Engg. Programme (If not available in this criteria then SC/ST category girl candidate From all over branches)	8.54
8	Birla Bhavesh Dinesh BT10CSE011 (11694)	Institute Medal	Highest CGPA in B.Tech. Computer Science Engg.	9.06
		Academic Excellence Prize	Highest CGPA in B.Tech. Computer Science Engg	
		Late Shri Parag Tijare First Prize	Highest CGPA in B.Tech.Computer Science Engg.	
9	Chamedia Saurbh Pawan BT10CSE013 (11688)	Late Shri Parag Tijare Second Prize	2 nd Highest CGPA in B.Tech. Computer Science Engg.	9.01
10	Snehal Raut BT10EEE081 (11797)	Institute Medal	Highest CGPA in B.Tech. Electrical & Electronics Engg.	9.53
		Academic Excellence Prize	Highest CGPA in B.Tech. Electrical & Electronics ngg.	
		Late Shri L. G. Sane Prize	Highest CGPA in B.Tech. Electrical & Electronics Engg.	
		Watwe Education Trust Prize	Highest CGPA in B.Tech. Electrical & Electronics Engg.	

S N	Student	Award	Criterion	CGPA/ SGPA
11	Shende Gaurav Vijaykumar BT10MEC044 (12287)	Late Shri J.M. Gawande Prize	Highest CGPA amongst Candidates from OBC category in B.Tech.Mechanical Engg.	9.66
12	Chandan Pandey BT10MIN003 (12254)	Institute Medal	Highest CGPA in B.Tech. Mining Engg.	8.86
		Academic Excellence Prize	Highest CGPA in B.Tech. Mining Engg.	
		Shri Prashant Palamkar Memorial Prize	Highest CGPA in B.Tech. Mining Engg.	
		Late Shri A. H. Reddy Prize	Highest CGPA in B.Tech. Mining Engg.	
13	Ghirnikar Tejas Aniruddha BT10MIN006 (12588)	Dr Suresh C. Singhal Gold Medal	Highest Score in course Mine Planning of B.Tech. Mining Engg (MNL470)	78
14	Bhansali Abhishek Arvind BT10MME018 (12475)	Institute Medal	Highest CGPA in B.Tech. Met.& Materials Engg.	9.46
		Academic Excellence Prize	Highest CGPA in B.Tech. Met.& Materials Engg.	
		Late Dr. M.K. Joshi Prize	Highest CGPA in B.Tech. Met.& Materials Engg.	
15	Chiddarwar Prutha Kishor BA09ARC011 (10813)	Institute Medal	Highest CGPA B. Arch.	9.83 (10+9)
		Academic Excellence Prize	Highest CGPA in B. Arch.	
		Prof. S. D. Adane Gold Medal	Highest CGPA in B. Arch.	
		Late Dr. V. M. Pangarkar Prize	Highest CGPA in B. Arch.	
		Poornima Prize	Highest SPI by girl student in Final year B. Arch (Part II) Exam Summer 2013	

4.4 M Sc Program

1	Shweta Vinod Pawar MS12CHM003 (15100)	Academic Excellence Prize	Highest CGPA in M. Sc. Chemistry Program	8.46
2	Aarti Kesharao Patle MS12MTH005 (15085)	Academic Excellence Prize	Highest CGPA in M. Sc. Mathematics Program	8.27
3	Vibha Harikrishna Ojha MS12PHY010 (15122)	Academic Excellence Prize	Highest CGPA in M. Sc. Physics Program	9.24

4.5 M Tech Program

1	P Pravin Kumar Venkat Rao MT12SDE014 (14749)	Academic Excellence Prize	Highest CGPA in M.Tech. Structural Dynamics & Earthquake Engg. Program	9.32
2	Rasane Nitin Keshavrao MT12STR014 (14766)	Academic Excellence Prize Dr. S.S. Kulkarni Prize	Highest CGPA in M.Tech. Structural Engg. Program	8.74
3	Alex Jose MT12CTM003 (14792)	Academic Excellence Prize	Highest CGPA in M.Tech. Construction Technology & Management Program	9.29
4	Anu Baby MT12ENV002 (14811)	Academic Excellence Prize Shri Bhide Memorial Prize Purna Award	Highest CGPA in M.Tech. Environmental Engg. Program	9.92
5	Arya P V MT12ENV003 (14812)	Purna Award – II	For securing 2 nd Highest CGPA in M.Tech. Environmental Engg. Program	9.87
6	Teena Thomas MT12TRE017 (14846)	Academic Excellence Prize	Highest CGPA in M.Tech. Transportation Engg. Program	9.83
7	Piyusha Hirpurkar MT12WRE009 (14858)	Academic Excellence Prize	Highest CGPA in M.Tech. Water Resources Engg. Program	9.81
8	Deshpande Anshuman Anil MT12MCS005 (14868) Jagtap Viraj Mahadeorao MT12MCS010 (14873)	Academic Excellence Prize	Highest CGPA in M.Tech. Computer Science & Engineering Program	9.31
9	Piyush M Khadke MT12IPS022 (14953)	Academic Excellence Prize	Highest CGPA in M.Tech. Integrated Power Systems Program	9.19
10	B Sakthisudhursun MT12PED003 (14956)	Academic Excellence Prize	Highest CGPA in M.Tech. Power Electronics & Drives Program	9.88
11	Vijay Anand MT12CMN020 (14907)	Academic Excellence Prize	Highest CGPA in M. Tech. Communication System Engg. Program	9.42
12	Gawhane Dhiraj Ramesh MT12MVD004 (14913)	Academic Excellence Prize	Highest CGPA in M. Tech. VLSI Design Program	9.92
13	Ligade Satish Baburao	Academic Excellence Prize	Highest CGPA in M. Tech. CAD - CAM Program	9.38

14	Rane Vinod Vasudeo MT12HPE016 (15013)	Academic Excellence Prize	Highest CGPA in M.Tech. Heat Power Engg. Program	9.64
15	Anjali Shishodia MT12IND002 (15020)	Academic Excellence Prize Late Shri B.M. Gupta Prize	Highest CGPA in M.Tech. Industrial Engg. Program	9.69
16	Rahul Unnikrishnan MT12MTE013 (15051)	Academic Excellence Prize	Highest CGPA in M.Tech. Materials Engg. Program	9.65
17	Golla Arpan Paul Singh MT12UPL005 (14777)	Academic Excellence Prize Ar. Bharat Yamsanwar Award	Highest CGPA in M.Tech. Urban Planning Program	9.21

4.6 Students awarded prizes (program wise) for excellence in pre final year/sem studies in the year 2013-14 at the Republic Day function on 26th Jan 2015.

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
1	NIHAR YEOLEKAR (15555)	B Tech Computer Science & Engineering	BT13CSE0 58	Academic Excellence Prize	For exhibiting the best performance in the 1 st year (1 st and 2 nd Semesters taken together) of B. Tech. Program.
2	VIJAY GARG (16198)	B Tech Electrical & Electronics Engineering	BT13EEE0 95	Late Shri V. Narsimha Raidu Prize	Highest Marks in Chemistry at 1 st and 2 nd semester of B. Tech. Program.
3	NILAWAR SUYASH SUDHIR (15791)	B Tech Mechanical Engineering	BT13MEC 072	Dr. S. G. Ghangrekar Prize	Highest Marks in Mathematics at 1 st and 2 nd semester of B. Tech. Program.
4	KATKAR VENKTESH VIDYADHAR (14185)	B Tech Chemical Engineering	BT12CME 043	Academic Excellence Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Chemical Engg. Program.
5	MANAQIBWA LA IDRIS MUSTAFA (14127)	B Tech Civil Engineering	BT12CIV0 43	Academic Excellence Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Civil Engg. Program.
6	DHRUV CHAWLA (13144)	B Tech Civil Engineering	BT11CIV0 15	Late Dr. M.M. Inamdar Prize	For scoring highest Marks in the subject Concrete Engineering (CEL304) at 4 th semester of B. Tech. Civil Engg. Program.
7	SHAIKH MOHAMMED DANISH (14110)	B Tech Computer Science & Engineering	BT12CSE0 72	Academic Excellence Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Computer Science Engg. Program.

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
8	AKKATI ARCHITHA (14163)	B Tech Electrical & Electronics Engineering	BT12EEE0 05	Academic Excellence Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Electrical & Electronics Engg. Program.
9	HONEY GUPTA(14278)	B Tech Electronics & Communicatio n Engineering	BT12ECE0 23	Academic Excellence Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Electronics & Communication Engg. Program.
10	GAURAV SUSHIL HIRANI (14083)	B Tech Mechanical Engineering	BT12MEC 024	Academic Excellence Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Mechanical Engg. Program.
11	AMISH KUMAR (14680)	B Tech Mining Engineering	BT12MIN0 19	Academic Excellence Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Mining Engg. Program.
12	AMZAD ALI GESAWAT(14 362)	B Tech Metallurgical & Materials Engineering	BT12MME 003	Academic Excellence Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Metallurgical and Materials Engg. Program.
				Late Dr. M.S. Jakkiwar Prize	For exhibiting the best performance in the 2 nd year (3 rd and 4 th Semesters taken together) of B. Tech. Metallurgical and Materials Engg. Program.
13	SAURABH SINGH (13892)	B Tech Mining Engineering	BT11MIN0 28	Shri H.V. Bedekar Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Program all branches.
				Late Raobahadur Sardesai Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Program all branches.
				Academic Excellence Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Mining Engg. Program.

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
				Dr. V.M. Dokras Felicitation Committee Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech Mining Engg., Program.
14	SUSAMIDDH A SAHA (13424)	B Tech Chemical Engineering	BT11CHE 076	Academic Excellence Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B.Tech Chemical Engg. Program.
15	KUMAR SAURABH (13844)	B Tech Civil Engineering	BT11CIV0 39	Academic Excellence Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Civil Engg. Program.
				Dr. V.M. Dokras Felicitation Committee Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Civil Engg. Program.
16	AKSHAY MANGAL MAHAR (12751)	B Tech Civil Engineering	BT11CIV0 04	Dr. M. M. Basole Prize.	For scoring highest Marks in the subject Structural Analysis (AML-361) of 5 th semester B. Tech. Civil Engg. Program.
17	GAURAV KUMAR PATEL (12285)	B Tech Civil Engineering	BT10CIV0 87	Dr. S.S. Amin Prize	For scoring highest marks in the subject Advanced Structural Analysis (AML-461) in 7 th Sem. B.Tech. Civil Engg. Program.
18	PRATHAMES H KHORGADE (12793)	B Tech Civil Engineering	BT11CIV0 56	Dr. P.K. Godbole Prize	For scoring highest Marks in the subject Design of RCC Structures (CEL-305) of 6 th semester B. Tech. Civil Engg. Program.
19	RITCHIT NAYAK (12814)	B Tech Computer Science & Engineering	BT11CSE0 70	Academic Excellence Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Computer Science Engg. Program.
				Dr. V.M. Dokras Felicitation Committee Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Computer Science Engg. Program.

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
20	AKSHAY SHRIVASTAV A (12739)	B Tech Electrical & Electronics Engineering	BT11EEE0 03	Academic Excellence Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Electrical & Electronics Engg. Program.
				Dr. V.M. Dokras Felicitation Committee Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Electrical & Electronics Engg. Program.
				Shri S.P. Damle Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Electrical & Electronics Engg. Program.
21	HAMBARDE AADITYA RAJIV (12921)	B Tech Electronics & Communication Engineering	BT11ECE0 22	Academic Excellence Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Electronics & Communication Engg . Program.
				Dr. V.M. Dokras Felicitation Committee Prize	For exhibiting the best performance in the 3 rd year (5 th and 6 th Semesters taken together) of B. Tech. Electronics & Communication Engg. Program.

4.7 Examination Details: Program wise No. of students awarded with degrees

S N	Program	No. Awarded		
		M	F	T
	(A) B Tech / B Arch			
1	Architecture	18	21	39
2	Chemical Engineering	55	17	72
3	Civil Engineering	69	16	85
4	Computer Science Engineering	64	21	85
5	Electrical and Communication Engineering	62	27	89
6	Electrical and Electronics Engineering	77	16	93
7	Mechanical Engineering	91	2	93
8	Metallurgical and Materials Engineering	63	14	77
9	Mining Engineering	16	1	17
	Total	515	135	650

	(B) M Tech	M	F	T
1	Structural Engineering	18	1	19
2	Structural Dynamics and Earthquake Engineering	14	4	18
3	Environmental Engineering	7	10	17
4	Water Resources Engineering	8	6	14
5	Construction Technology & Management	18	1	19
6	Transportation Engineering	14	6	20
7	Computer Science Engineering	23	3	26
8	Integrated Power System	16	4	20
9	Power Electronics & Drives	21	1	22
10	Communication System Engineering	18	3	21
11	VLSI Design	17	3	20
12	Industrial Engineering	17	2	19
13	Heat Power Engineering	17	0	17
14	CAD-CAM	19	1	20
15	Material Engineering	16	2	18
16	Urban Planning	9	7	16
	Total	252	54	306
	(C) M Sc			
1	Chemistry	2	10	12
2	Physics	6	4	10
3	Mathematics	6	9	15
	Total	14	23	37
	(D) M Tech / M Arch by Research			
1	Electrical Engineering	0	1	1
2	Architecture	0	1	1
	Total	0	2	2
	(E) Ph D			
1	Chemical Engineering	2	2	4
2	Civil Engineering	1	0	1
3	Computer Science & Engineering	2	4	6
4	Electronics Engineering	1	1	2
5	Mechanical Engineering	2	0	2
6	Metallurgy & Materials Engineering	5	1	6
7	Mining Engineering	1	0	1
8	Architecture	1	4	5
9	Chemistry	0	2	2
10	Physics	2	1	3
11	Humanities	0	1	1
	Total	17	16	33
	Grand Total	798	230	1028

4.8 Training & Placement :

Training & Placement department provides the necessary guidance to the students for career planning and personality development. T & P department invites public and private sector organizations for campus recruitment of final year B.Tech, B.Arch, M.Tech and M.Sc. students. During the academic year 2014-15, 95 companies visited the campus and 524 jobs were offered to UG & PG students. Detailed break up is given in section 11.10.

4.9 Optional Training – General information

The students undergo Industrial training during summer vacation generally for a period of 4 weeks. This training is meant for the engineering disciplines viz. Civil, Chemical, Mechanical, Electrical and Electronics, Electronics & Communication, Computer Science & Engineering, Metallurgical & Materials and Mining. Although the training is optional, majority students take advantage of the same. T & P department communicates with many industries to grant training seats for 3rd year students. The received training seats are then allotted to the students on the basis of merit and preference.

- **Institute Arranged Training**

Training seats received for Summer Vacation 2014-2015 are summarized below:

Discipline	No. of Industries who offered Training Seats	No. of Seats received
Civil Engineering	03	25
Mechanical Engineering	02	11
Electrical Engineering	01	01
Chemical Engineering	01	01
Electronics Engineering	01	01
Computer Science Engineering	00	00
Metallurgy Engineering	01	01
Mining Engineering	01	10
Total	10	50

- **Self Arranged Training**

No. of students applied for Winter Vacation Training : 110

No. of students applied for Summer Vacation Training : 450

- **Paid Internship**

Thirteen companies visited the campus to select 3rd year students and offered them paid summer internship. These students may receive a pre placement offer from the companies based on their performance during internship.

Sr. No.	Name of Company	No. of Students selected
1.	Amazon	4
2.	Morgan Stanley	3
3.	Goldman Sachs Services Pvt. Ltd.	2
4.	Citi India	4
5.	MAQ Software	3
6.	L & T Construction	6
7.	Sterlite Technologies Ltd.	3
8.	HUL	6
9.	Zigsaw Consultancy	1
10.	Infocepts	1
11.	PMI	2
12.	CauseCode Technologies Pvt Ltd	4
13.	Minex Metallurgical Co Ltd	3
	Total	42

4.10 Compulsory Training

i) Mining Engineering Course

In keeping with the course curriculum, all mining engineering students are required to undergo compulsory training in mining industry. This training is arranged during every summer and winter vacation.

ii) Architecture Course

The students of fourth year Architecture & Planning Course have to undergo a compulsory training for a period of 6 months towards the end of 4th year. On successful completion of the training, the students carry out a project of 6 months duration in the Institute under the guidance of the faculty at the Department.

4.11 Training of M.Tech. Students

Though the industrial training for PG students of engineering is not compulsory, some students take initiative and apply to various industries for summer vacation training. Several students from various departments carry out their dissertation work for a period of about 4 to 6 months in concerned industries and organizations. This activity is coordinated by the concerned faculty from respective Department.

4.12 Placement and General Policy

Final year UG and PG students are required to register with the T & P department to opt for campus placements. The institute has a concept of Dream job and Normal job. A job with cost to company (CTC) less than 6 lacs per annum is considered to be normal job while a job with CTC more than and including 6 lacs per annum is considered to be dream job. Students having a normal job can apply for a dream job also. Students selected for a dream job are not eligible to apply for any job after selection.

4.13 Activities of Placement Department

- Collection and maintenance of database of final year students who register with T & P deptt.
- Liaisoning with industries for placement, internships & vacation training of students.
- Scheduling and organizing the campus interviews.
- To arrange Placement Preparation Workshop to guide the students for improving their communication skills.
- To facilitate Interaction of students with representatives of reputed Indian and foreign universities for higher education.

4.14 A) Statistics of Students Placed after 1st April 2014.

Branch	Passing out Batch 2014
Civil	07
Mechanical	07
Electrical	07
Chemical	02
Electronics	01
Computer Science	--
Metallurgy	18
Mining	--
Total for B.Tech	42
Total for M.Tech	07

4.15 B) Statistics of Placement 2014-15 upto 31st March 2015 Number of Students Placed

1. B.Tech

Branch	Eligible	Placed
Civil	78	48
Mechanical	87	75
Electrical	68	56
Chemical	68	48
Electronics	75	59
Computer Science	86	58
Metallurgy	64	38
Mining	25	7
	551	389

2. B.Arch

Branch	Eligible	Placed
Architecture	23	01

3.M.Tech

Branch	Eligible	Placed
Environmental Engineering	21	04
Construction Technology and Management	18	05
Water Resources Engineering	15	02
Transportation Engineering	18	01
Integrated Power System	17	06
Power Electronics and Drives	17	06
VLSI Design	24	05
Communication System Engineering	22	07
Computer Science Engineering	24	16
Structural Dynamics and Earthquake Engineering	12	04
Structural Engineering	18	08
Heat Power Engineering	21	05
Industrial Engineering	19	04
CAD-CAM	22	08
Material Engineering	15	03
Urban Planning	17	00
Excavation Engineering	08	01
Total	308	85

4. M.Sc

Branch	Eligible	Placed
Physics	14	02
Chemistry	11	00
Mathematics	13	01
Total	38	3

Number of Jobs Offered

5 1.B.Tech

Type of job	Branch								
	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	TOTAL
Normal Job	44	60	50	43	36	25	36	7	301
Dream job	5	26	11	4	28	38	2		114
PPO Normal Job	3		2	2	1				8
PPO Dream job					2	7			9
Total -->	52	86	63	49	67	70	38	7	432

CE - Civil Engineering
 ME - Mechanical Engineering
 EEE - Electrical & Electronics Engineering
 ECE - Electronics & Communication Engineering
 CSE - Comp.Sci. & Engineering
 MIN - Mining
 MME - Metallurgical & Materials
 CHE - Chemical

6.B.Arch

7. M.Sc

Type of job	MSC	TOTAL
Normal Job	03	03
Dream job	--	--
Total -->	03	03

8. M.Tech

Type of job	STR	SDEE	WRE	PED	IPS	VLSI	MCS	HPE	IND	CAD CAM	TRE	ENV	CTM	MTE	URBAN	CMN	EXCV	TOTAL
Normal Job	8	4	2	6	5	5	10	5	3	8	1	4	5	2	0	6	1	75
Dream job					1		8		1	1				1		1		13
Total -->	8	4	2	6	6	5	18	5	4	9	1	4	5	3	0	7	1	88

ENV : Environmental Engineering
 WRE Water Resources Engineering
 CTM Construction Technology and Management
 TRE Transportation Engineering
 IPS Integrated Power System
 PED Power Electronics and Drives
 VLSI VLSI Design
 CMN Communication System Engineering
 CSE Computer Science Engineering
 SDEE Structural Dynamics and Earthquake Engineering
 STR Structural Engineering
 HPE Heat Power Engineering
 IND Industrial Engineering
 CAD-CAM CAD-CAM
 MTE Material Engineering
 Urban Urban Planning

B.Tech : Normal Jobs

Sr.No.	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
1.	Tata Motors		8	2						10
2.	Unisys						6			6
3.	Lupin		4		3					7
4.	Fluor Daniel (I) Pvt. Ltd.	2	1							3
5.	Reliance Industries Limited		10	3	13			4		30
6.	Jubilant Life S		2		2					4
7.	EXL Decision Analytics	7	1	2	1	3				14
8.	Misys Software Solutions Ltd.						3			3
9.	Tata Power		1	2						3
10.	Verity	2			1	1			1	5
11.	L & TECC-PPO	3		2						5
12.	L & TECC	13		13					3	29
13.	FinIQ-Normal					1				1
14.	Sokrati						1			1
15.	L & T Powai		7	6						13
16.	Tesco HSC					2	3			5
17.	3DPLM Software Solutions Limited						1	1		2
18.	Principal Global Services . Pvt.Ltd	2		1		4				7
19.	Mu Sigma	1	3	2				3		9
20.	Thyseenkrupp		1	2				2		5
21.	TCE				2			4	2	8
22.	Crompton Greaves Ltd.		5	4						9
23.	Xoriant Solutions Pvt. Ltd.									
24.	ACG Worldwide		1			1				2
25.	PMI									
26.	JSW		6	7	7	1		11		32
27.	Bristlecone India Ltd		1							1
28.	Nucleus Software exports Limited						3			3
29.	Praj industries Ltd.		2		1					3
30.	Sterlite Technology Ltd.	4								4
31.	Walter P. Moore	1								1
32.	Tavisca Solutions						3			3
33.	Sunflag Iron & Steel		1	1				3		5
34.	UHDE India Pvt. Ltd.	3			3					6
35.	VATECH WABAG LTD	2		2	2					6
36.	UPL-PPO				2					2

Sr.No.	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
37.	Premium Transmission Ltd.		1							1
38.	Sulzer India Ltd.		1		1					2
39.	Pidilite Industries Ltd.				2					2
40.	Thermax		2							2
41.	Lafarge		1							1
42.	Rishabh Instruments					1				1
43.	Hindalco Industries Ltd.				2			2		4
44.	Kalyani Forge									
45.	RetailOn						1			1
46.	Reliance Jio Infocomm					9	1			10
47.	Tata ELXSI					1				1
48.	Kalyani Steels Ltd.			1				4		5
49.	Future Group		1							1
50.	Bajaj Steel	5								5
51.	SHV Energy Pvt. Ltd.	1		1				1		3
52.	Infosys			1	2	3	2			8
53.	IBM India Pvt.Ltd	1			1	6	1	1	1	11
54.	IBM-PPO					1				1
55.	Cybage					2				2
56.	L & T Tech Services					1				1
57.	Infocepts									
58.	Causcode Technologies									
59.	Mysmartprice									
60.	Sanveo Technology Solutions									
61.	Housing.com									
62.	Frankly.me									
		Total	47	60	52	45	37	25	36	409

B.Tech : Dream Jobs

Sr. No.	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
1.	Amazon-PPO						1			1
2.	Goldman Sachs-PPO						2			2
3.	C DOT-PPO					2	2			4
4.	Futures First		2	2				1		5
5.	Amazon						5			5
6.	Morgan Stanley					1				1
7.	Nvidia Graphics Pvt. Ltd.					1				1
8.	Bajaj Auto Ltd		4							4
9.	MAQ Software						1			1
10.	HUL		3	1	2					6
11.	Numerify Software India Pvt Ltd					1	4			5
12.	OFSS					1	1			2
13.	Numerify Software India Pvt Ltd-PPO						1			1
14.	Diebold Systems Private Limited					4	3			7
15.	FCS					5	1			6
16.	Factset Systems India Pvt. Ltd.						6			6
17.	S&P Capital						2			2
18.	ZS Associates	5	2	2		5				14
19.	PepsiCo		1			1				2
20.	Persistent Systems Pvt. Ltd.						2			2
21.	Fractal Analytics			4	2	3		1		10
22.	Barclays Technology Centre India					1	5			6
23.	FinIQ-Dream					3				3
24.	Hero MotoCorp		5							5
25.	Honda 2 Wheelers		4							4
26.	Oracle India Pvt. Ltd.						4			4
27.	Hewlett Packard						2			2
28.	Emami Ltd		1	1						2
29.	DRDO		1				1			2
30.	Johnson & Johnson		1	1		2				4
31.	Snapdeal						2			2
32.	Brahmos Aerospace		1							1
33.	Tata Hitachi Construction Machinery Ltd.		1							1
Total		5	26	11	4	30	44	2	0	122

B.Arch. : Normal Jobs

Sr.No.	Company Name	Architecture	Total
1.	L & T, ECC	01	01
	Total	01	01

M.Tech : Normal Jobs

Sr.No.	Company Name	STR	SDEE	WRE	PED	IPS	VLSI	CSE	HPE	IND	CAD-CAM	TRE	ENV	CTM	MTE	Urban	CMN	EXCV	Total
1.	Verity									1									1
2.	L & T ECC	4	1			1			2		1			5				1	15
3.	TCE	2	1	2		2			1				3		2				13
4.	Crompton Greaves Ltd.					1													1
5.	VA TECH WABAG LTD																		0
6.	3DPLM							2											2
7.	IBM India Pvt.Ltd				2	1		3			1	1					1		9
8.	Walter P. Moore	1																	1
9.	Infosys				1		3	4		1	3						3		15
10.	Pidilite																		0
11.	RetailOn																		0
12.	Tata ELXSI				1		2	1									2		6
13.	L & T Tech Services				2														2
14.	NMIMS		1						1				1						3
15.	PMI									1									1
16.	Misys Software Solutions Pvt Ltd																		0
17.	Sokrati																		0
18.	Bajaj Steel	1	1								3								5
19.	Cummins India Ltd								1										1
20.	WSP Global																		0
	Total	8	4	2	6	5	5	10	5	3	8	1	4	5	2	0	6	1	75

M.Tech : Dream Jobs

Sr.No.	Company Name	STR	SDEE	WRE	PED	IPS	VLSI	CSE	HPE	IND	CAD-CAM	TRE	ENV	CTM	MTE	Urban	CMN	EXCV	Total
1.	Morgan Stanley							1											1
2.	Nvidia Graphics Pvt. Ltd.																		
3.	MAQ Software							2											2
4.	Numerify Software India Pvt Ltd							1											1
5.	OFSS																		
6.	Factset Systems India Pvt. Ltd.							2											2
7.	Oracle							2									1		3
8.	Tata Motors					1				1	1				1				4
	Total					1	-	8	-	1	1	-	-	-	1	-	1		13

M.Sc : Normal Job

Sr. No.	Company Name	Physics	Chemistry	Mathematics	Total
1.	Infosys	02	--	01	03

4.16 Concessions for SC, ST and PD (Person with Disability)

Fees of Students of SC/ST category (from Maharashtra State) is paid through SW Maharashtra State. Students are having exemption in fees payment. Students have to apply online under GoI PM Scholarship scheme operated by the Social Welfare department of Govt. of Maharashtra. Fees are sanctioned by SW, Nagpur under Govt. of Maharashtra Department of Social Welfare.

Students of SC/ST selected under GoI New Central Sector scholarship are having exemption in fees payment. Student is required to apply for scholarship in specific formats. Fees are sanctioned from GoI Ministry of SJE and Tribal Affairs. Students of SC /ST category of M Tech (with GATE) / M Sc program are having waiver in tuition fees.

Students (Other than MH state) under SC, ST are not having exemption in fees payment. Student is required to apply to their respective State Government agencies for sanction of scholarship as per their rules. Refund of fees initially paid by such students is given against the sanction received from their respective state agencies in respect of student.

PD student of SC/ST category belonging to Maharashtra State is given exemption in fees payment. Student from other state applies to respective State Social Welfare offices for claim of fees.



Games and Sports

5.1 Games and Sports

Research indicates that regular physical education, included in curriculum, produces physical, psychological, and intellectual benefits. Physical education may help prevent degenerative disease, improve overall physical condition, maintain emotional balance, promote a sense of social effectiveness, contribute to academic performance, and establish positive recreation habits. Therefore, physical education must be supported as an integral part of comprehensive education.

Sports and Games are essential components of Human Resource Development, holding to promote good health, comradeship and spirit of healthy competition, which in turn, has positive and deep impact on the holistic development of the personality of the youth who is a potential source of energy, enthusiasm and inspiration for development, progress and prosperity of the nation.

Further, excellence in sports enhances the sense of achievements, national pride and patriotism. Sports being practical way of education facilitate beneficial recreation, improve productivity, foster social harmony inculcating sense of discipline and dedication in general life. Sports give a strong message of peace, friendship and understanding among the people of participants. Today, sports are prime need in a civilized society, as it helps to promote national integration, emotional integrity and professional intellect among the participants.

According to UNESCO General Conference (1978) Article 1; which advocates that practice of physical education and sport is a fundamental right for all:

- 1.1 Every human being has a fundamental right of access to physical education and sport, which are essential for the full development of his personality. The freedom to develop physical, intellectual and moral powers through physical education and sport must be guaranteed both within the educational system and in other aspects of social life.
- 1.2 Every one must have full opportunities, in accordance with his national tradition of sport, for practicing physical education and sport, developing his physical fitness and attaining a level of achievement in sport which corresponds to his gifts.

The Article 2; further endorse that Physical education and sport form an essential element of lifelong education in the overall education system:

- 2.1 Physical education and sport, as an practice of sports must be ensured throughout life by means of a global, lifelong and democratized education.
- 2.2 At the individual level, physical education and sport contribute to the essential dimension of education and culture, must develop the abilities, will-power and self-discipline of every human being as a fully integrated member of society. The continuity of physical activity and the maintenance and improvement of health, provide a wholesome leisure-time occupation and enable man to overcome the drawbacks of modern living. At the community level, they enrich social relations and develop fair play, which is essential not only to sport itself but also to life in society.
- 2.3 Every overall education system must assign the requisite place and importance to physical education and sport in order to establish a balance and strengthen links between physical activities and other components of education.

National Institutions play a major role in physical education and sport.

It is essential that public authorities at all levels and specialized non-governmental bodies encourage those physical education and sport activities whose educational value is most evident. Their action shall consist enforcing legislation and regulations, providing material assistance and adopting all other measures

of encouragement, stimulation and control. The public authorities will also ensure that such fiscal measures are adopted as may encourage these activities.

It is incumbent on all institutions responsible for physical education and sport to promote a consistent, overall and decentralized plan of action in the framework of lifelong education so as to allow for continuity and co-ordination between compulsory physical activities and those practiced freely and spontaneously.

Thus in tune with above ideology, the faculties of Physical Education at this institute exploit all the possible dimensions of physical education & sports through the variety of activities in our Institute:

- 01) Physical Education is an audit course at the institute and they are taught sports skills, strategic preparation, and tactical preparation. Faculties of physical education work to increase the physical fitness of first year students (more than 750 in number) through various physical fitness programs. Apart from this teaching on play fields, they are also taught Physiological, Psychological, Sociological and Emotional aspects associated with sports and physical activities through talks and seminars.
- 02) Health club facilities are also provided to the students where they practice various health related Gymnasium activities in the allotted Morning and Evening hours under the guidance of a trained coach.
- 03) Sports medicine Research Lab: Physiological parameters related with physical fitness of staff and students are also examined through Sports Medicine Lab equipments. Suitable Physical Fitness programs are advised to the students as well as staff members of the institute after evaluating their physical fitness. Overweight and underweight students are also given appropriate weight gain and weight loss programs by the faculties of physical education.
- 04) Coaching facilities are also made available to the students selected by conducting the selection trials of various games. Specialized Coaches are appointed to train the students going to participate in various in Inter-NIT Tournaments.
- 05) Another attractive sporting activity is the Institute Gathering which is organized every year by the students under the supervision of the Physical Education section. This is an event, where various inter-departmental sports activities are conducted with overwhelming response where the participants are students institute teaching and non-teaching staff.

5.2 Participation of students in different games

The Institute encourages the students by exposing them to various Inter-NIT tournaments and also in local inter-collegiate tournaments. All the selected students are motivated by providing them with track suits and playing kits. Blazers are provided to all the student council members of the institute as a token of appreciation

Participation in All India Inter NIT Tournaments:

Through All India Inter NIT Tournament a student can exhibit his/ her talent in front of students of all the NITs in India. This year total 126 students, 85(M) & 41 (W) participated in various All India Inter NIT Tournaments organized by various NITs in India. The following table shows the detail of participation by the institute in various All India Inter NIT Tournament organized by various NITs in India during the year 2014-15.

Sr. No.	Game	Tournament organized by	Duration	Total participants		Position
				Men	Women	
1	Athletics	NIT Rourkela	23 rd to 25 th of January 2014	20	9	2 silver Medals & 3 Bronze Medals
2	Cricket	NIT Allahabad	13 th to 15 th of February 2015	15	0	S/F
3	Kho-Kho	NIT Agartala	19 th to 21 st February 2015	12	0	Winner
4	Table Tennis	NIT Bhopal	21 st to 23 rd of March 2015	4	3	Women - Runner up
5	Volleyball	NIT Kurukshetra	28 th to 31 st of March 2015	12	12	Participation
6	Basketball	NIT Surat	3 rd to 5 th of April 2015	12	12	Participation
7	Badminton			5	0	Men- Individual event - Sahil Akhtar :- Winner
8	Chess			5	5	Men- Third Position, Women- Runner Up
Total Participants				85	41	126

Local Tournaments:

The Institute also understands the importance of local tournaments and exposes the students in various local tournaments whenever it is possible as per the Academic Calendar. This year the Institute participated in Dr. Punjabrao Deshmukh Sports Festival in the disciplines of Cricket, Basketball and Football tournament.

Krik Mania:

Through this Invitational 50 limited over Cricket Tournament a platform is provided to the upcoming Cricketers of local colleges. Since last 22 years through this particular event students of the institute are learning various skills of organizing a sporting event under the guidance of Physical Education department. In present edition of Krik Mania Dr. Ambedkar College, Nagpur won the tournament by defeating the Dhanwate National College, Nagpur where as our institute team reached up to S/F.

Intramural and Krida Diwas(National Sports Day):

It is very important to provide maximum participation to the student community in sports, to keep the overall atmosphere of the institute healthy and sporting. Through this event students get all the opportunities to interact with each other and explore their hidden talent in sports. With this point of view and to encourage sports, the Physical Education Section celebrates the birth anniversary of the great Hockey legend Major Dhyan Chand on 29th of August every year. This year following sports were organized under Annual Intramural program: Football, Cricket, Volleyball, Throw ball, Kho-Kho Table-Tennis, Kabaddi and Chess. This year's



Excellence in Sports

Krida Diwas was inaugurated by honorable Director of the institute, Dr. N. Chaudhary, all the students were distributed sweets on this occasion.

The objective of organizing such events in the campus is to involve the engineering students in some physical activities and teach them sportsmanship, team spirit and help them in socialization through sports activities. The Biggest advantage of organizing such event, especially for the first year B. Tech. students is that every student of the first year know each other. It also helps to provide solid platform for their healthy social relationship throughout their academic course; students also learn skills of organization, administration, officiating and coaching.

Medical examination:

Medical Examination is compulsory for all the first year B. Tech. /B. Arch. students in first semester itself. This examination is done by our Medical Officer Dr. S. Batra. and his team with the coordination of Physical Education section. This particular examination provides the data of students with postural deformities, obesity, underweight, stress, hypertension and some other medical problems. Thus with readily available data such students are provided individualized suitable physical fitness program.

Physical Efficiency Test:

Physical Fitness is an ability to carry out the daily tasks of the job with vigor and alertness, without undue fatigue, with ample energy to engage in leisure time pursuits and to meet the above average physical stresses in emergency situations.

The Physical Efficiency of every first year B. Tech. / B. Arch. students is measured by applying suitable tests of Physical Fitness. Components such as abdominal strength, respiratory endurance, flexibility of hip joint & hamstring muscles and speed are measured. PET is an important tool through which a student can know about his/ her physical efficiency as they have to perform all the below mention tests in one day itself. All the students they appreciate this unique physical activity as it helps them to know their capability to do strenuous job tasks.

Module of Physical Efficiency Test:

Sr. No.	Component	Tests	Time/Distance	Score
1	Respiratory Endurance	-----	12 minute	Total distance covered during 12 minute is recorded with the help of stop watch, and VO2 Max is calculated by applying suitable formula
2	Speed	100 meter flat race for boys/ 60 meter flat race for girls	100 meter/ 60 meter	Timing 100Mt/ 60 Mt. is recorded in seconds for each student
3	Abdominal Strength	Bent Knee Sit Ups	One Minute	Maximum legal sit ups performed in one minute is recorded for each student
4	Shoulder Strength	Push Ups/Modified push ups for girls	-----	Maximum push ups performed by is recorded for each student
5	Flexibility of Hp Joint and Hamstring Muscles	Sit And Reach	Centimeter	Maximum stretching is recorded in centimeter with the help of measuring scale for each student

NBA Visit:

The members of NBA team visited physical education section on 5th of January 2015 and inspected various facilities being provided by to the students. The team members were informed about various physical education program offered to the students.

Wellness and Weight Management program:

Overweight and obesity in the youth is on increase. It is the result of physical inactivity, and cause for poor physical fitness. It also carries high risk of developing chronic diseases like diabetes, blood pressure, heart trouble, joint problems etc. in the peak of their career.

On the basis of students identified through Medical Examination having postural deformities, overweight and underweight; a week long integrated program during second week of January 2015 by the team of Physician, Physiotherapist, Dietician, Counsellor along with faculties of Physical Education was conducted for such students at Cricket pavilion.

Run for Unity:

Hundreds of students along with large number of staff members of the institute solemnly pledged on the occasion of Rashtriya Ekta Diwas on October 31 to dedicate themselves to preserve the Unity, Integrity and Security of the nation. Later we all joined the "Run for Unity" programme organized by Physical Education Section at the institute campus. The program was inaugurated by the Registrar of the institute.

Swachata Bharat Abhiyan:

"Swachhta Shapath/Cleanliness Oath" was administered by faculties of physical education along with the student council members at 9.45 AM on 2nd October 2014.

Fitness talk in Hindi Workshop:

A fitness talk was organized by Dr. Robin Simon a faculty in Physical Education for the teaching and non teaching staff of the institute as one of the programme of Hindi Workshop. Different dimensions of physical fitness, various training principles, and effects of physical activities on different physiological systems were discussed in the workshop. Later various health related physiological parameters such as BMI, Rate of Respiration, Resting Pulse Rate, Visceral Fat, BMR, Flexibility etc. were tested. Appropriate physical fitness programme was also suggested according to individual's need.

5.3 Sports facilities available on the Campus

- One Cricket Ground with six Turf wickets.
- One Football Ground with flood light arrangement.
- Two Volleyball Courts with flood light arrangement
- Three Lawn Tennis Courts.
- One Flood light Basketball Court.
- One Kho- Ko ground with flood light arrangement
- One Kabaddi ground with flood light arrangement
- Well equipped Gymnasium
- Separate Gym for girls in the girls hostel
- Table Tennis Hall
- Cricket pavilion with the seating capacity of 500 students
- Indoor Badminton Stadium with four Wooden sprung Surfaced Badminton courts
- A big hall to accommodate at least 12 Table Tennis Tables
- A hall to practice Yoga
- Class room
- Sports Medicine Research Lab



Human Resource

6.1 Staff Position

Teaching Staff

Categories of the staff	Professor	Associate. Professor	Assistant. Professor	Total
Sanctioned strength	48	96	191	335
In position strength	34	58	91+2*	185

*Lecturer in Sports and Students Activity Centre.

6.2 Faculty Members in Departments

Sr. No.	Name	Designation	Department	Qualification
1	Dr. Girish Narayanrao Ronghe	Professor	Applied Mechanics	M.Tech., Ph.D.
2	Dr. Laxmikant Madanmanohar Gupta	Professor	Applied Mechanics	Ph.D.
3	Dr. Mukund Madhavrao Mahajan	Professor	Applied Mechanics	M.Tech., Ph.D.,
4	Dr. Ramakant Kisansing Ingle	Professor	Applied Mechanics	M.Tech., Ph.D.
5	Dr. Omprakash Ramakant Jaiswal	Professor	Applied Mechanics	Ph.D.
6	Shri. Sanjay Bhanukumar Borghate	Asst. Professor	Applied Mechanics	M.Tech.
7	Dr Ranjan Sadashivrao Sonparote	Associate Professor	Applied Mechanics	M.Tech., Ph.D.
8	Dr. Smt. Sangeeta Surendra Gadve	Associate Professor	Applied Mechanics	Ph.D.
9	Shri. Arvind Y Vyavahare	Assistant Professor	Applied Mechanics	B.E. Civil, M.Tech
10	Shri. Ashish P Khatri	Assistant Professor	Applied Mechanics	B.E. Civil, M.Tech
11	Dr. Ku. Debarati Datta	Assistant Professor	Applied Mechanics	B.E, M.E., Ph.D.
12	Dr. Ratnesh Kumar	Assistant Professor	Applied Mechanics	B.E., M.Tech., Ph.D.
13	Dr. Sachin Vasant Bakre	Associate Professor	Applied Mechanics	B.E., M.Tech., Ph.D.
14	Dr. Vinayak Sakharam Adane	Professor	Arch.& Planning	B.Arch., M.E. (Civil), T & CP AITP, AIIP, Ph.D.
15	Dr. Smt. Smita Habeeb Khan	Asst. Professor	Arch.& Planning	B.Arch., M.Arch.Ph.D.
16	Shri. Aniket Manohar Deshmukh	Asst. Professor	Arch.& Planning	B.Arch., AIIA, M.Tech.
17	Shri. Kishor Narsing Joglekar	Asst. Professor	Arch.& Planning	B.Arch., AIIA, M.Tech.
18	Shri. Vilas Keshaorao Bakde	Associate Professor	Arch.& Planning	B.Arch., M.Tech.

Sr. No.	Name	Designation	Department	Qualification
19	Dr. Vijay Shriramji Kapse	Associate Professor	Arch.& Planning	B.Arch., M.Tech. (Urban Plng.), Ph.D.
20	Dr. Smt. Rajashree S. Kotharkar	Associate Professor	Arch.& Planning	B.Arch., Mup, Ph.D
21	Dr. Smt. Chandra Seomal Sabnani	Associate Professor	Arch.& Planning	M.Arch., Ph.D.
22	Dr. Smt. Alpana Rajendra Dongre	Professor	Arch.& Planning	B. Arch., M.Arch, Ph.D.
23	Dr. Smt. Vidya Vinayak Ghuge	Assistant Professor	Arch.& Planning	B.Arch., M.Tech, Ph.D
24	Dr. Sameer Moreshwar Deshkar	Assistant Professor	Arch.& Planning	B.Arch , M.Plan.
25	Shri. Amit Manohar Deshmukh	Assistant Professor	Arch.& Planning	B.Arch, M.Tech.
26	Smt. Sarika Pankaj Bahadure	Assistant Professor	Arch.& Planning	B.Arch, M.Tech Urban Planning
27	Shri. Amit Jankiram Wahurwagh	Assistant Professor	Arch.& Planning	B. Arch., M. Arch
28	Shri. Pankaj Nilkanth Bahadure	Assistant Professor (Contract)	Arch.& Planning	B.Arch, Master Of City Planing. – Jan
29	Dr. Akshay Prabhakar Patil	Associate Professor	Arch.& Planning	B.Arch, P.G. Diploma In Urban Design, Ph.D.
30	Dr. Suresh Sudam Umare	Professor	Chemistry	Ph.D.
31	Dr. Jayant Dattatraya Ekhe	Associate Professor	Chemistry	Ph.D.
32	Dr. Smt. Anupama Kumar	Associate Professor	Chemistry	Ph.D.
33	Dr. Smt. Ramani Vilas Motghare	Asistant Professor	Chemistry	Ph.D.
34	Dr. Chayan Das	Asistant Professor	Chemistry	Ph.D., NET
35	Shri. Atul Vinayakrao Wankhade	Assistant Professor	Chemistry	M.Sc Organic Chem., B.Ed.
36	Dr. Sangesh Prabhakar Zodape	Assistant Professor	Chemistry	M.Phil., Ph.D.
37	Dr. Umesh Rohidas Pratap	Assistant Professor (On Contract)	Chemistry	Ph.D.
38	Dr. Sujit Kumar Ghosh	Associate Professor	Chemistry	Ph.D.
39	Dr. Shusanta Kumar Nayak	Asst. Professor (Contract)	Chemistry	Ph.D.

Sr. No.	Name	Designation	Department	Qualification
40	Dr. Ms. Sorokhaibam Laxmi Gayatri	Asst. Professor (Contract)	Chemistry	Ph.D.
41	Dr. Diwakar Zaparu Shende	Assistant Professor	Chemical Engineering	B.E., M.Tech, Ph.D.
42	Dr. Ajit P Rathod	Assistant Professor	Chemical Engineering	M.Tech, Ph.D.
43	Dr. Shriram Shaligram Sonawane	Assistant Professor	Chemical Engineering	M.Tech, Ph.D.
44	Smt. Sonali Pravin Tajane	Assistant Professor	Chemical Engineering	M.Tech.
45	Shri. Shyam Marotrao Kodape	Assistant Professor	Chemical Engineering	M.Tech.
46	Dr. Mahesh Nandalal Varma	Assistant Professor	Chemical Engineering	M.Tech, Ph.D.
47	Dr. Vijayakumar R. P.	Assistant Professor	Chemical Engineering	M.Tech., Ph.D.
48	Dr. Sachin A Mandavgane	Associate Professor	Chemical Engineering	M.E., Ph.D.
49	Dr. Kailas Lachchulal Wasewar	Associate Professor	Chemical Engineering	M. Tech, Ph.D.
50	Dr. Ashish Subhash Chaurasia	Associate Professor	Chemical Engineering	M.E., Ph.D., PDF
51	Dr. Piyush Purushottam Wanjari	Asst. Professor (Contract)	Chemical Engineering	Ph.D
52	Dr. Ashwin Pandhari Gaikwad	Assistant Professor (Contract)	Chemical Engineering	M.Tech., Ph.D.
53	Dr. Pradip Babanrao Dhamole	Assistant Professor	Chemical Engineering	M.E., Ph.D.
54	Dr. Shailesh Ghanashyam Agrawal	Assistant Professor (Contract)	Chemical Engineering	M.Tech., Ph.D.
55	Dr. Ashwin Kannan	Assistant Professor (Contract)	Chemical Engineering	M.S., Ph.D.
56	Dr. Ravi Namdeo Methekar	Assistant Professor	Chemical Engineering	M.Tech., Ph.D.
57	C Ravikumar	Assistant Professor (Contract)	Chemical Engineering	M.E., Ph.D.
58	Dr. Vasant Anant Mhaisalkar	Professor	Civil Engineering	M.Tech., Ph.D.
59	Dr. Rajesh Gupta	Professor	Civil Engineering	M.Tech., Ph.D.
60	Dr. Yashwant Bhaskar Katpatal	Professor	Civil Engineering	M.Tech., Ph.D.
61	Dr. Avinash Durgadas Vasudeo	Asst. Professor	Civil Engineering	M.Tech, Ph.D

Sr. No.	Name	Designation	Department	Qualification
62	Dr. Smt. Madhuwanti Vinayak Latkar	Associate Professor	Civil Engineering	M.Sc., Ph.D.
63	Dr. Vishrut Suresh Landge	Associate Professor	Civil Engineering	M.E., Ph.D.
64	Dr. Ajay Raghunath Tembhurkar	Associate Professor	Civil Engineering	M.Tech., Ph.D.
65	Dr. Dilip H Lataye	Associate Professor	Civil Engineering	B.E., Ph.D.
66	Dr. Shilpa Ramnathji Dongre	Assistant Professor	Civil Engineering	M.Tech., Ph.D.
67	Shri. Swapnil Purushottam Wanjari	Assistant Professor	Civil Engineering	M.Tech.
68	Shri. Abhay G Tawalare	Assistant Professor	Civil Engineering	M.Tech.
69	Dr. Anjan Raghunath Patel	Assistant Professor	Civil Engineering	M.Tech., Ph.D.
70	Dr. Aniruddha D Ghare	Associate Professor	Civil Engineering	M.Tech., Ph.D.
71	Dr. Rahul Vasant Ralegaonkar	Associate Professor	Civil Engineering	M.E., Ph.D.
72	Dr. Anirban Chandi Das Mandal	Associate Professor	Civil Engineering	M. E., Ph.D.
73	Dr. Ashwini Baswaraj Mirajkar	Assistant Professor (Contract)	Civil Engineering	M.E., Ph.D.
74	Dr. Omprakash Gopalrao Kakde	Professor (Deputed To Vjti Mumbai as a Director)	Computer Science And Engineering	Ph.D.
75	Dr. Shailesh Ramchandra Sathe	Professor	Computer Science And Engineering	M.Tech., Ph.D.
76	Shri. Anil Suryabhan Mokhade	Asst. Professor	Computer Science And Engineering	M.Tech.
77	Dr. Parag Sham Deshpande	Associate Professor	Computer Science And Engineering	M.Tech. , Ph.D.
78	Dr. Umesh Ashok Deshpande	Associate Professor	Computer Science And Engineering	M.Tech. , Ph.D.
79	Dr. Smt. Meera Mukul Dhabu	Assistant Professor	Computer Science And Engineering	M.E., Ph.D.
80	Shri. Ashish Srinivas Tiwari	Assistant Professor	Computer Science And Engineering	B.Sc., M.E.
81	Dr. Smt. Shital Adarsh Raut	Assistant Professor	Computer Science And Engineering	M.E., Ph.D.
82	Dr. Smt. Dipti Deepak Shrimankar	Assistant Professor	Computer Science And Engineering	M.Tech., Ph.D.
83	Ku. Mansi Anup Radke	Assistant Professor (On Contract)	Computer Science And Engineering	B.E., M.S.

Sr. No.	Name	Designation	Department	Qualification
84	Shri. Ravindra Bhaskar Keskar	Associate Professor	Computer Science And Engineering	M.Tech.
85	Shri. Manish Prakash Kurhekar	Associate Professor (On Contract)	Computer Science And Engineering	M. Tech.
86	Dr. Mohan Krishnarao Khedkar	Professor (Deputed To Sgb Amravati University As Vc)	Electrical Engineering	B M.Tech., Ph.D., E. M.Tech, Ph.D.
87	Dr. Hiralal Murlidhar Suryawanshi	Professor	Electrical Engineering	Ph.D.
88	Dr. Mohan Vithalrao Aware	Professor	Electrical Engineering	M.Tech. , Ph.D.
89	Shri. Shirish R Tambay		Electrical Engineering	M.Tech.
90	Dr. Sudhir Ramkrishna Bhide	Associate Professor	Electrical Engineering	Ph.D.
91	Dr. Bhimrao Sitaram Umare	Associate Professor	Electrical Engineering	M.Tech. , Ph.D.
92	Dr. Vijaykumar Bhanukumar Borghate	Associate Professor	Electrical Engineering	M.Tech. , Ph.D.
93	Dr. Sunil Sharadrao Bhat	Associate Professor	Electrical Engineering	M.Tech, Dbm, Ph.D.
94	Dr. Manojkumar Raju Ramteke	Associate Professor	Electrical Engineering	A.M.I.E., M.Tech. Ph.D.
95	Dr. Prakash Shyamkant Kulkarni	Associate Professor	Electrical Engineering	M.E., Ph.D.
96	Dr. Vijay Shankarrao Kale	Associate Professor	Electrical Engineering	B.E., Ph.D
97	Dr. Anjali Suresh Junghare	Associate Professor	Electrical Engineering	Ph.D.
98	Dr. Ashwin Dhabale	Assistant Professor	Electrical Engineering	M.Tech., Ph.D.
99	Dr. Nita Ravindra Patne	Assistant Professor	Electrical Engineering	M.Tech., Ph.D.
100	Smt. Rajashri Jeetendra Satputaley	Assistant Professor	Electrical Engineering	M.E.
101	Dr. Smt. Madhuri Avinash Chaudhari	Associate Professor	Electrical Engineering	M.Tech., Ph.D.
102	Dr. Makarand Sudhakar Ballal	Associate Professor	Electrical Engineering	M.Tech., Ph.D.
103	Dr. Swapnajit Pattnaik	Associate Professor (On Deputation From Nit Raipur)	Electrical Engineering	M.Tech.
104	Dr. Kishor Damodar Kulat	Professor	Electronics Engineering	M.Tech., Ph.D.
105	Dr. Av inash Gajanan Keskar	Professor	Electronics Engineering	Ph.D.

Sr. No.	Name	Designation	Department	Qualification
106	Dr. Abhay Suresh Gandhi	Professor	Electronics Engineering	M.Tech., Ph.D.
107	Smt. Pradnya H Ghare	Assistant Professor	Electronics Engineering	M.Tech.
108	Shri. Vishal Ramesh Satpute	Assistant Professor	Electronics Engineering	M.Tech.
109	Shri. Joydeep Subir Sengupta	Assistant Professor	Electronics Engineering	M.Tech.
110	Shri. Kannaiyan Surender	Asstistant Professor (Deputed To IIT, Mumbai, Under QIP)	Electronics Engineering	M. Tech.
111	Shri. Vinay Kumar Ramprit Tripathi	Assistant Professor (Contract)	Electronics Engineering	M. Tech.
112	Dr. Ashwin Ganesh Kothari	Associate Professor	Electronics Engineering	M.Tech. Ph.D
113	Dr. Kishore Madhukarrao Bhurchandi	Associate Professor	Electronics Engineering	M.E., Ph.D.
114	Dr. Ku. Madhumita Ghosal	Associate Professor	Humanities	M.A.(Eng.), Ph.D.
115	Dr. Gopichand Namdeo Nimbarte	Assistant Professor	Humanities	M.A. (Sco), M.A. (Eco), M.A. (Mar. Lit.), Ph.D.
116	Dr. Yogesh Madhukar Deshpande	Associate Professor	Humanities	Ph.D.
117	Dr. Gyanprakash Singh	Professor	Mathematics	Ph.D.
118	Dr. Masabathula Mallaiah Devakar	Assistant Professor	Mathematics	Ph.D.
119	Dr. Ku. Pallavi Vasudeo Mahale	Assistant Professor	Mathematics	Ph.D.
120	Dr. Naga Raju Gande	Assistant Professor	Mathematics	Ph.D.
121	Dr. Rajendra Prasad M. C. Pant	Assistant Professor	Mathematics	Ph.D
122	Dr. Pradip Kumar Suresh Chandra Roul	Assistant Professor	Mathematics	Ph.D.
123	Dr. Podila Pramod Chakravarthy	Associate Professor	Mathematics	Ph.D.
124	Dr. Ravi Pratap Gupta	Asst. Professor (Contract)	Applied Mathematics	Ph.D.
125	Dr. Deepesh Kumar Patel	Assistant Professor (Contract)	Applied Mathematics	Ph.D.
126	Dr. Nishikant Vinayak Deshpande	Professor (Deputed To NIT Silchar as Director)	Mechanical Engineering	Ph.D.

Sr. No.	Name	Designation	Department	Qualification
127	Dr. H.T. Thorat	Professor (Deputed To Nit Uttarakhand As Director)	Mechanical Engineering	Ph.D.
128	Dr. Pramod Madhukarrao Padole	Professor	Mechanical Engineering	Ph.D.
129	Dr. Animesh Nareshchandra Chatterjee	Professor	Mechanical Engineering	M.Tech., Ph.D.
130	Dr. Shashikant Balwantrao Thombre	Professor	Mechanical Engineering	M.Tech., Ph.D.
131	Dr. Abhay Kumar Madhusudan Kuthe	Professor	Mechanical Engineering	M.Tech., Ph.D.
132	Shri. Nitin Kumar Fago Laure	Assistant Professor (Deputed To Iit Rurkee Under Qip)	Mechanical Engineering	M.Tech.
133	Dr. Subhash Vinayakrao Bopsetty	Associate Professor	Mechanical Engineering	M.Tech., Ph.D.
134	Dr. Dhananjay Bapurao Zodpe	Associate Professor	Mechanical Engineering	M.Tech., Ph.D.
135	Dr. Yogesh Madan Puri	Associate Professor	Mechanical Engineering	M.Tech., Ph.D.
136	Dr. Jiwak Gajananrao Suryawanshi	Associate Professor	Mechanical Engineering	M.Tech., Ph.D.
137	Dr. Atul Bhalchandra Andhare	Associate Professor	Mechanical Engineering	M.Tech., Ph.D.
138	Dr. Vilas Ramdas Kalamkar	Associate Professor	Mechanical Engineering	M.Tech., Ph.D.
139	Dr. Ashwinkumar S Dhoble	Assistant Professor	Mechanical Engineering	M.Tech., Ph.D.
140	Dr. Smt. Rashmi Vikram Uddanwadikar	Assistant Professor	Mechanical Engineering	M.E., Ph.D.
141	Shri. Vinod Manikrao Nistane	Assistant Professor	Mechanical Engineering	M.Tech.
142	Shri. Mangesh Sahebrao Kotambkar	Assistant Professor	Mechanical Engineering	M.Tech.
143	Shri. Avinash Ajabrao Thakre	Assistant Professor	Mechanical Engineering	M.Tech.
144	Dr. Kishor Mahadeorao Ashtankar	Assistant Professor	Mechanical Engineering	M.Tech., Ph.D.
145	Dr. Hemant Prabhakar Jawale	Assistant Professor	Mechanical Engineering	M.Tech., Ph.D.
146	Shri. Dhananjay A Jolhe	Assistant Professor	Mechanical Engineering	M.Tech.
147	Shri. Pravin D Sawarkar	Assistant Professor (Deputed To IIT, Madras, under QIP)	Mechanical Engineering	M.Tech.

Sr. No.	Name	Designation	Department	Qualification
148	Shri. Prasad Vijay Kane	Assistant Professor	Mechanical Engineering	M.Tech.
149	Dr. Ku. Shital Sudhakar Chiddarwar	Assistant Professor	Mechanical Engineering	M.B.A., M.Tech., Ph.D.
150	Dr. Arunkumar Vashistha Singh	Assistant Professor	Mechanical Engineering	M.Tech., Ph.D.
151	Dr. T V K Gupta	Asst. Professor (Contract)	Mechanical Engineering	Ph.D.
152	Dr. Tushar Gohil	Asst. Professor (Contract)	Mechanical Engineering	Ph.D.
153	Dr. Dilip Ramkrishna Peshwe	Professor	Metallurgical Engineering	M.Tech., Ph.D.
154	Dr. Awanikumar Parashuramji Patil	Professor	Metallurgical Engineering	M.Tech., Ph.D.
155	Dr. Sanjay Gangaram Sapate	Professor	Metallurgical Engineering	M.Tech., Ph.D.
156	Dr. Ramesh C Rathod	Asst. Professor	Metallurgical Engineering	M.Tech., Ph.D.
157	Dr. Vijay Kashinath Didolkar	Associate Professor	Metallurgical Engineering	M.Tech., Ph.D.
158	Shri. Deepak Vasant Moghe	Associate Professor	Metallurgical Engineering	M.Tech.
159	Dr. Sailendra Nath Paul	Associate Professor	Metallurgical Engineering	M.Tech., Ph.D.
160	Shri. Yogesh Yadavrao Mahajan	Assistant Professor	Metallurgical Engineering	M.Tech.
161	Dr. Rajesh Kisni Khatirkar	Assistant Professor	Metallurgical Engineering	M.Tech., Ph.D.
162	Dr. Atul Ramesh Ballal	Asst. Professor	Metallurgical Engineering	M.Tech., Ph.D.
163	Dr. Ravindra Vasantrao Taiwade	Assistant Professor	Metallurgical Engineering	M.Tech., Ph.D.
164	Dr.Smt. Manjusha Mangesh Thawre	Assistant Professor	Metallurgical Engineering	M.Tech., Ph.D.
165	Dr. Jatin Bhatt	Associate Professor	Metallurgical Engineering	M.Tech., Ph.D.
166	Dr. Ajay Anand Likhite	Associate Professor	Metallurgical Engineering	M.Tech., Ph.D.
167	Dr. Ishwards Laxmandas Muthreja	Associate Professor	Mining Engineering	M.Tech., Ph.D.

Sr. No.	Name	Designation	Department	Qualification
168	Dr. Shyam Sumantrao Gupte	Associate Professor	Mining Engineering	M.Tech., Ph.D.
169	Dr. Niranjana Ramchandra Thote	Professor	Mining Engineering	M.Tech., Ph.D.
170	Dr. Rajendra Ramchandra Yerpude	Professor	Mining Engineering	Dip. In Mine., M.Tech., Ph.D.
171	Shri. Sandeep Manilal Panchal	Assistant Professor (Deputed To IIT Kharagpur Under QIP)	Mining Engineering	M.Tech.
172	Dr. Vilas Krishnarao Deshpande	Professor	Physics	M.Sc., Ph.D.
173	Dr. Rupesh Sukhdeo Gedam	Associate Professor	Physics	M.Sc., Ph.D.
174	Dr. Smt. Sujata Rajendra Patrikar	Assistant Professor	Physics	M.Tech., Ph.D.
175	Dr. Smt. Anuradha Vilas Deshpande	Assistant Professor	Physics	Ph.D.
176	Dr. Smt. Sushma Milind Giripunje	Assistant Professor	Physics	B.Ed., Ph.D.
177	Dr. K. Mohan Kant	Assistant Professor	Physics	M.E., Ph.D.
178	Dr. Babasaheb Raghunath Sankapal	Associate Professor	Physics	Ph.D.
179	Dr. Gali Hema Chandra	Associate Professor	Physics	M.Phil., Ph.D.
180	Dr. M. S. Ramkarthik	Asst. Professor (Contract)	Physics	Ph.D.
181	Dr. Poorva Singh	Asst. Professor (Contract)	Physics	Ph.D.
182	Dr. Robin Frank Simon	Lecturer	Physical Education	B.Sc.B.P.Ed., M.P.Ed., Ph.D., NET
183	Dr. Prashant Sundardas Nagrale	Lecturer	Physical Education	B.P.Ed., M.P.Ed., Ph.D., NET

6.3 Newly Joined Faculty Members.

Sr. No.	Name	Department	Designation	Qualification
1	Dr. Piyush Purushottam Wanjari (Contract)	Chemical	Assistant Professor	Ph.D
2	Dr. Ashwin Pandhari Gaikwad (Contract)	Chemical	Assistant Professor	M.Tech, Ph.D.
3	Dr. T V K Gupta (Contract)	Mechanical	Assistant Professor	Ph.D.
4	Dr. M. S. Ramkarthik (Contract)	Physics	Assistant Professor	Ph.D.
5	Dr. Poorva Singh (Contract)	Physics	Assistant Professor	M. Sc., Ph.D.
6	Dr. Pradip B. Dhamole	Chemical	Assistant Professor	M.E., Phd
7	Dr. Ravi Pratap Gupta (Contract)	Mathematics	Assistant Professor	Ph.D
8	Dr. Shailesh Agrawal (Contract)	Chemical	Assistant Professor	M.Tech, Ph.D
9	Dr. Ashwini B. Mirajkar (Contract)	Civil	Assistant Professor	M.E., Ph.D.
10	Dr. Shusanta Kumar Nayak (Contract)	Chemistry	Assistant Professor	Ph.D.
11	Dr. Ashwin Kannan (Contract)	Chemical	Assistant Professor	M.S., Ph.D.
12	Dr. Deepesh Kumar Patel (Contract)	Mathematics	Assistant Professor	M.Tech, Ph.D.
13	Dr. Ms. Sorokhaibam Laxmi Gayatri (Contract)	Applied Chemistry	Assistant Professor	Ph.D.
14	Dr. Ravi Namdeo Methekar	Chemical	Assistant Professor	M.Tech, Ph.D.
15	Dr. C Ravikumar (Contract)	Chemical	Assistant Professor	M.E., Ph.D
16	Dr. Tushar Gohil (Contract)	Mechanical	Assistant Professor	Ph.D.

6.4 Non-teaching staff

Administrative Officers

Sr. No.	Name	Designation	Department	Qualification
1	Dr. Narendra S. Chaudhari	Director	Administrative	M.Tech, Ph.D.
2	Dr. Rajendra Ramchandra Yerpude	Registrar	Mining Engineering	Dip. in Mining M.Tech., Ph.D.
3	Dr. Suresh Jeevandas Batra	Medical Officer	Dispensary	M.B.B.S., Diploma in Public Health Hygiene, M.D
4	Dr. Devidas H Maiske	Principal Technical Officer	Computer Centre	M.Tech, Ph.D.
5	Dr. Ravikant M Deshpande	Assistant Librarian	Library	B.Sc. (Agri.), B.E. (Lib. Sci.), M.A., M.L.I.Sc., Ph.D.
6	Shri. Vivek Jagdish Abhyankar	Senior Technical Officer	Computer Centre	M.Tech., Diploma in Digital Electronics
7	Ku. Meenakshi Bhaurao Bhivgade	Sr. Technical Officer	Computer Centre	M.Tech.
8	Smt. Madhuri Rajive Pimple	Senior Technical Officer	Computer Science And Engineering	Masters Diploma in Computer Technology, M. Tech. (by Research)
9	Shri. Keju Gopalrao Barapatre	Executive Engineer	Estate Maintenance	M.Tech.
10	Shri. Vinayak Dadarao Ghuge	Technical Officer	Workshop (Mech.Engg.)	M.Tech.
11	Shri. Dharmesh Madhukar Parate	Deputy Registrar (Academic)	Academic	B.Text., M.Tech., M.A.
12	Dr. Satyendra Marotrao Deshmukh	Deputy Registrar (Admin & Estt)	Establishment & Adm.	MIRPM, M.Tech. Ph.D.
13	Shri Kailas Natthuji Dakhale	Deputy Registrar (Store & Exam)	Store Section	B.E., MIRPM(PG Management), LLB
14	Shri. Ashok Ganpatrao Bhurle	Assistant Registrar	Institute Activities	M.Tech.
15	Smt. Anushree A Ansingkar	Assistan Registrar	Examination	B.COM. M.COM
16	Shri. Nikhil Baburao Chingalwar	Assistant Registrar	Hostel	B.Sc., Diploma in Computer Science, M.B.A.
17	Shri. Rajnesh Medi Pandarinath	Assistant Registrar (Estt.)	Establishment & Adm.	M.Tech.

6.5 Newly Joined Administrative Officers.

Sr. No.	Name	Designation	Department	Qualification
1	Dr. Satyendra Marotrao Deshmukh	Deputy Registrar (Admin & Estt)	Establishment & Adm.	MIRPM, M.Tech. Ph.D.
2	Shri Kailas Natthuji Dakhale	Deputy Registrar (Store & Exam)	Store Section	B.E., MIRPM(PG Management), LLB.
3	Shri. Rajnesh Medi Pandarinath	Assistant Registrar (Estt.)	Establishment & Adm.	M.Tech.

6.6 List of Group B & C Staff.

Group - B& C (Non- Teaching) Staff

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
TECH. HIGHER				
1	Shri S.L.Gadge	Sr. Technical Asst.	Metallurgical Engg.	H.S.S.C., Diploma in Metallurgical Engg.
2	Shri P.G.Meshram	Assistant Engineer	Estate Maint.	BE.Civil
3	Shri R.M.Gadge	Assistant Engineer	Estate Maint.	BE.Civil
4	Smt Mini.Joseph	Sr. Staff Nurse	Health Centre	H.S.S.C, General Nursing & Midwifery
5	Smt. D.S. Deshpande	Sr. Technical Asst.	Computer Sci. & Engg.	B.Sc.,PGDCA, MCM
6	Mrs. B.M. Polke	Sr. Technical Asst.	Exam Section	B.Sc., Diploma in Computer Sci., MA, MS-CIT, MCM, MA (Sanskrit), MA (Public Adm.)
7	Shri P.S. Meshram	Sr. Technical Asst.	Network Centre	B.E. (Computer)
8	Smt V.S. Deshmukh	Sr. Technical Asst.	Physics	M.Sc.
9	Shri R.B.Parihar	Sr. Technical Asst.	Library	B.Com., M.Lib., Certificate of Information & Library Networking Programm, ENG. TYP 40 W.P.M. & MAR. TYP. 30 W.P.M.
10	Shri A.W.Thaware	Sr. Technical Asst.	Arch & Planning	H.S.S.C , Basic Photography Exam Passed, B.A.(Additonal), B.Com.
11	Shri P.P.Kose	Sr. Technical Asst.	Workshop (Mech. Engg.)	H.S.S.C., I.T.I.(Moulder), C.T.I for Instructor (Moulder)
12	Shri A.N. Shambharkar	Technical Asst. Sg - II	Library	M.A., M.Lib., PG Diploma in Lib. Automation & Networking, TYP 30 W.P.M.

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
13	Shri R.M.Giripunje	Technical Assistant	Arch & Planning	SSC,HSSC,ITI (Carpenter)
14	Shri G.B. Todase	Technical Assistant	Workshop (Mech. Engg.)	H.S.S.C., I.T.I. (Machinist), N.C.V.T. (Machinist)
15	Shri N.C. Borkar	Technical Assistant	Workshop (Mech. Engg.)	Diploma in Mechanical Engg.
16	Shri R.S. Warthi	Sr. Technical Assistant	Computer Sci. & Engg.	H.S.S.C., Diploma in Computer Technology, C.C.C.O., DTP
17	Shri C.L. Bagde	Technical Assistant	Workshop (Mech. Engg.)	H.S.S.C., I.T.I. (Welder), Typing 30 WPM
18	Shri N.N.Meshram	Sr. Technical Assistant	Workshop (Mech. Engg.)	S.S.C., Diploma in Mechanical Engg.
19	Shri N.R. Chidam	Sr. Technical Assistant	Electronic Engg.	Diploma in Electronics & Telecommunication, B.E.(Mech.)
20	Shri A.K. Ramteke	Technical Assistant	Civil Engg.	H.S.S.C., Sanitary Inspector Diploma
21	Shri S.K. Singh	Tech. Assistant	Electronics Engg.	B.E.(Electrical & Electronics)
22	Ms. Nirmala Desouza	Tech. Assistant	Physics	B.Sc. (PCM), M.Sc. (Physics)
23	Ms. Krutika Dhawle	Tech. Assistant	T&P	B.Tech. (Instrumentation)
24	Shri T.N. Kumar Reddy	Tech. Assistant	Civil Engg.	B.Tech. (Civil)
25	Shri S.R. Tarnikanti	Tech. Assistant	Mining Engg.	Diploma in Civil, B.E. Civil
26	Shri Shrawan Kumar	Jr. Engineer (Electrical)	Electrical Maint.	B.Tech. (Electrical)
27	Shri S.B. Mohite	Tech. Assistant	Electrical	Diploma in Elect. Engg., B.E. (Elect. Engg.), M.B.A.
28	Shri Sonvir Singh	Tech. Assistant	Computer Sci. & Engg.	B.Tech. Elect. & Electronics
29	Shri A.B. Pore	Jr. Engineer (Civil)	New Construction	B.Tech. (Civil)
30	Shri S.V. Choudhari	Tech. Assistant	Mechanical Engg.	B.E. Mechanical, M.Tech.
31	Shri Rajikshah Chandshah	Tech. Assistant	Metallurgical Engg.	M.Sc.(Physics), M.Phil.(Physics),B.Ed.
32	Ms. A.N. Vaidya	Tech. Assistant	Physics	B.Sc. (PCM), M.Sc. (Phy.), B.Ed. (Maths, Phys.)
33	Shri J.K. Raikwar	Tech. Assistant	Library	B.Sc., MLISc.,

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
Tech. Lower				
34	Shriv.R.Barai	Technician Sg-Ii	Mining Engg.	B.Com., I.T.I. (Machinist-75%), Eng. TYP. 30 W.P.M.
35	Shri R.G. Dixit	Technician Sg-Ii	Mechanical Engg.	S.S.C., NATIONAL Apprenticeship Certificate (Boiler Attendant, ENG. TYP. 30 W.P.M.
36	Shri V.C.Bhujade	Technician Sg-Ii	Mechanical Engg.	S.S.C., I.T.I. (Diesel Mech.)
37	Shri N.D. Suryawanshi	Pharmacist	Health Centre	Diploma in Pharmacy B.Com.
38	Smt V.A. Patankar	Lab Asst. Sg-Ii	Metallurgical Engg.	S.S.C., Diploma in Metallurgy
39	Shri S.R. Kulavi	Lab Asst. Sg-Ii	Applied Mechanics	SSC ,TYP-30 WPM
40	Shri S.P. Sahasrabudhe	Technician Sg-Ii	Civil Engg.	S.S.C., Diploma in Civil Engg., MS-CIT
41	Shri K.B. Thakre	Technician Sg-Ii	Electrical Maint.	Diploma in Electrical Engg., B.E. (Electrical Engg.)
42	Shri D.K. Pise	Technician Sg-Ii	Electrical Maint.	VI th Passed, Wireman Exam Passed
43	Shri P.B. Gawali	Technician Sg-Ii	Electronics Engg.	H.S.S.C., Diploma in Electronics & Comm. Engg., Certificate Course in Information Technology, Computer Hardware & Basic Networking
44	Shri J.K. Chopde	Work Asst. Sg -Ii	Estate Maint.	S.S.C.
45	Shri S.T. Zade	Sr. Lab Asst.	Chemistry	H.S.S.C., I.T.I. (Machinist Grinder), Eng. TYP. 40 W.P.M.
46	Shri Y.G.Ghonge	Sr. Lab Asst.	Mining Engg.	S.S.C., I.T.I. (Turner)
47	Shri N.N. Bhondale	Sr. Work Asst.	Administration	VI th PASSED
48	Shri S.P.Dhapade	Sr. Work Asst.	Estate Maint.	Holding Licence of Plumbing Works
49	Smt.B.A.Khadsinge	Sr. Work Asst.	Administration	H.S.S.C., Diploma in Telephone Operator Cum Receptionist
50	Smt M.D. Jawale	Sr. Lab Asst.	Metallurgical Engg.	S.S.C.
51	Shri R.N. Dhabarde	Sr. Lab Asst.	Civil Engg.	S.S.C., I.T.I.(Sheet Metal Worker), I.T.I. (Welder)
52	Shri M.D. Katole	Sr. Lab Asst.	Mining Engg.	S.S.C.
53	Shri P.D. Jaronde	Lab Asst. Sg-Ii	Electrical Engg.	M.Sc., Adv. Diploma in Computer Software System Analysis & Applications

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
54	Shri S.P. Mashankar	Sr. Lab Asst.	Electronics Engg.	B.Sc., Computer Operation
55	Shri K.M. Manapure	Sr. Lab Asst.	Electrical Engg.	H.S.S.C., I.T.I. (Console Operator Cum Programmer Asst., Typing Eng. 40 W.P.M.)
56	Shri C.K. Bhoyar	Sr. Lab Asst.	Physics	B.Sc.
57	Shri S.N.Junghare	Sr. Lab Asst.	Chemistry	B.Sc, I.T.I. (Data Preparation Asst.), M.A.
58	Shri U.D. Sukhdeve	Library Asst. Sg-Ii	Library	Certificate Course in Library, B.A., B.Lib.
59	Shri M.D. Jaiswal	Sr. Library Asst.	Library	B.Com., Lib. Sci. Course, B.Lib., M.Lib.
60	Shri.A.A. Kshirsagar	Sr. Library Asst.	Library	B.Com., Library Science, Eng. Typ. 40 W.P.M.
61	Smt. S.V. Potdar	Sr. Library Asst.	Library	B.Sc., M.A., MLISc, MS-CIT
62	Shri V.K.Mendhe	Sr. Work Asst.	Administration	S.S.C., LMV & HPMV Holder, Eng. Typ 40 W.P.M.
63	Shri C.S.Saini	Sr. Work Asst.	Administration	H.S.S.C., Map Reading Exam, LMV Passed
64	Shri S.P. Dupare	Sr. Work Asst.	Estate Maint.	S.S.C., Pump & Elect. Motor Repairing Exam Passed, D.T.P., Eng. Typ. 30 W.P.M.
65	Smt.Seema.Naikwade	Sr. Lab Asst.	Metallurgical Engg.	B.Sc., Eng. Typ. 40 W.P.M., PG Diploma in Business Prof. Programmer
66	Shri S.M.Bhende	Sr. Lab Asst.	Chemistry	H.S.S.C, I.T.I. (DPCS), B.Com., MIRPM
67	Shri P.S. Kubade	Sr. Lab Asst.	Mining Engg.	B.Sc., I.T.I. (Data Preparation ASST.)

(Ministerial Staff : Higher)

68	Smt S.V. Joshi	Sr. Superintendent	Hostel	B.A., Certificate Course In Lib. Sci.
69	Shri Veerji Srivastava	Security Officer	Security	Graduate Equivalence (Indian Air Force), Management Capsule Course
70	Smt.S.S.Gattewar	Stenographer Sg-I	Establishment	B.Com., Eng. Shorthand 100 W.P.M., Eng. Typ. 50 W.P.M.

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
71	Smt Usha Patil	Stenographer Sg-Ii	Civil Engg.	M.Com., Eng. Shorthand 120 W.P.M., Eng. Typ . 50 W.P.M.
72	Shri Sanjay.Saraf	Stenographer Sg-Ii	PA To Director	M.A. (Public W.P.M., MS -CIT
73	Shri D.K.Vairagade	Stenographer Sg-Ii	Electronics Engg.	H.S.S.C.,B.Com., Eng.
74	Shri M.G. Chakradhare	Stenographer Sg-Ii	Metallurgical Engg.	S.S.C., H.S.S.C., Eng. Shorthand 100 W.P.M., Eng. Typ. 40 W.P.M.
75	Shri R.C. Durge	Superintendent	Exam Section	Diploma in Comp. Technology, B.E. (Computer Technology)
76	Shri K.V. Devarkonda	Superintendent	Account	Be.(Information Tech.)
77	Dr. R. M. Rakhunde	Superintendent	Deans Office	M.Sc.(Chemistry), Ph.D.
78	Shri H. L. Ambekar	Superintendent	Establishment	B.Com., MBA, M.Com.
79	Ku. M.B. Lamsoge	Superintendent	Hostel	B.Sc., M.Sc.

(Ministerial Staff : Lower)

80	Shri D.B. Pillewan	Superintendent	Hostel	B.Com., Eng. Typ. 40 W.P.M.,
81	Shri A.D. Pendam	Assistant Sg-Ii	Accounts	S.S.C.(PASS), Certificate Course in Social Work, Eng. Typ. 40 W.P.M.
82	Shri.R.D.Pathak	Assistant Sg-Ii	Electrical Engg.	B.Com., Certificate Course in Library Sci.
83	Shri M.M.Dikwar	Assistant Sg-Ii	Physics	H.S.S.C., Eng. Typ 40 W.P.M.
84	Shri B.M. Raut	Sr. Assistant	Chemical Engg.	S.S.C., Eng. Typ. 40 W.P.M.
85	Shri M.R.Nagpure	Sr. Assistant	Accounts	S.S.C., Eng. Typ. 40 W.P.M.
86	Shri S.S.Palasmode	Sr. Assistant	Stores	H.S.S.C., Eng. Typ 40 W.P.M.
87	Shri V.S.Warhekar	Sr. Assistant	Chemistry	S.S.C., Eng. Typ. 40 W.P.M.
88	Shri P.D. Pawar	Sr. Assistant	Workshop (Mech. Engg.)	Workshop (Mech. Engg.)
89	Shri V.N. Mahalle	Assistant Sg-Ii	Establishment	B.Com., Shorthand 80 W.P.M., Eng. Typ. 50 W.P.M., Hindi & Marathi Typ. 40 W.P.M.
90	Shri B.V.Borkar	Sr. Assistant	Mathematics & Humanities	B.A., Eng. Typ. 40 W.P.M.

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
91	Shri A.P.Thakur	Sr. Assistant	Mining Engg.	S.S.C.
92	Shri D.R.Bharwani	Assistant Sg-Ii	Accounts	M.Com., Wave Certi. in Fin. Accounting, MS-CIT, Eng. Typ. 40 W.P.M.
93	Shri S.S.Lawrence	Assistant Sg-Ii	Administration	B.Com., Eng. Typ. 40 W.P. M.
94	Shri Y.U. Sontakke	Assistant Sg-Ii	Mechanical Engg.	B.Com., M.S.W., Eng. Typ. 40 W.P.M.
95	Shri S.W. Suryawanshi	Sr. Assistant (Security)	Security	M.A. (Socio.), Indian Air Force Security Training Certificate
96	Smt. Jayshree D. Adane	Jr. Assistant	Academic	B.Com, B.Lib., Diploma in Telephone Optr., MSCIT, Eng. Typ. 40 wpm
97	Shri N.L. Dhawale	Sr. Assistant	Arch. & Planning	B.Sc., Diploma in Computer Operation, Post B.Sc. Diploma in Computer Sci.
98	Shri S.M. Bansod	Sr. Assistant	Electrical Maint.	B.Sc., B.Ed., MS-CIT., Eng. Typ. 40 W.P.M.
99	Smt R. J. Pillai	Sr. Assistant	Deans Office	H.S.S.C., B.Sc., MS-CIT
100	Ms. M.V. Gedam	Sr. Assistant	Accounts	M.Com., B.Ed., Tally, MS-CIT, Eng. Typ. 40 W.P.M.
101	Shri A.A. Meshram	Sr. Assistant	Academic	H.S.S.C., B.Sc., M.Sc., MS-CIT, Eng Typ 40 W.P.M.
102	Smt. N.P. Jaronde	Sr. Assistant	Stores	H.S.S.C., B.Sc., Diploma In Ms Office, MS-CIT, ENG. TYP. 40 W.P.M.
103	Smt. C.C. Alexander	Sr. Assistant	Stores	H.S.S.C. B.Com, M.Com., MS-CIT
104	Ms. P.L. Uikey	Sr. Assistant	Applied Mechanics	H.S.S.C., B.A.(English), MS OFFICE, D.T.P., MS-CIT
105	Shri R.B. Wakalkar	Trainee Jr. Asst.	Establishment & Adm.	H.S.S.C.
106	Shri D.M. Gautam	Lab. Assistant	Chemical Engg.	B.Sc., M.Sc. (Chemistry) M.Phil. (Chemistry)
107	Smt. S.N. Saundarkar	Lab. Assistant	Chemistry	B.Sc., D.Pharmacy -
108	Smt. R.V. Thakre	Technician	Electronics Engg.	Diploma in Electronics & Telecommunication Engg.

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
109	Shri D.M. Thakur	Technician	Civil Engg.	Diploma in Chemical Engg.
110	Shri Binaya Kumar Kar	Technician	Electrical	S.S.C., ITI
111	Shri S.G. Choudhari	Technician	Mechanical Engg.	Diploma in Automobile Engg., B.E. Mechanical, M.Tech. (Industrial)
112	Shri J.J. Bhelkar	Technician	Network Centre	Diploma in Electronics & Com. Engg., B.E. (Electronics), M.A (Public Administration)
113	Shri J.M. Khande	Lab. Assistant	Mining Engg.	Diploma in Electronics & Comm
114	Shri U.P. Shende	Technician	Metallurgical Engg.	S.S.C., Diploma in Electrical Engg.
115	Shri C.N. Burange	Lab. Assistant	Architecture & Planning	B.Sc.(PCM), MSCIT
116	Shri G.R. Navnage	Technician	Mechanical Engg.	Diploma (Mech. Engg.), B.E. (Mech. Engg.)
117	Shri S.D. Ramteke	Technician	Computer Sci. & Engg.	Diploma (Mech. Engg, B.E. (Mech. Engg.)
118	Shri Sudhir Kumar	Work Asst.	Library	B.A., MLISc
119	Shri O.D. Sirsam	Technician	Applied Mechanics	HSSC, ITI (Fitter)
120	Shri P.R. Jamkar	Jr. Assistant	Establishment	B.Sc. (Chemistry, Diploma in Office Automation, Typing English 40 wpm, Hindi 30WPM, Marathi 30 wpm
121	Smt. S.S. Jalgaonkar	Jr. Assistant	Stores	B.Sc. (PCM), MCM., PGDCCA, Typing Eng. 40 wpm, Marathi 30 wpm, Hindi 30 wpm
122	Shri N.N. Golait	Jr. Assistant	Academic	B.Com., Typing Eng. 40 wpm, Marathi 30 wpm
123	Shri R.A. Vishwakarma	Jr. Assistant	Deans Office	BCA, ITI
124	Smt. R.S. Barapatre	Jr. Assistant	Exam Section	B.Com., M.Com., PGDCCA
125	Ku. L.S. Kalambhe	Jr. Assistant	T&P	B.Sc., MCM, PGDCCA
126	Shri S.N. Bhute	Jr. Assistant	Accounts	BCA, M.Sc. (Computer Science)

6.7 Details Of Newly Appointed Group-B&C (Non-Teaching) Staff (2014-2015 Appointment)

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
Tech. Staff Higher				
1	Shri S.K. Singh	Tech. Assistant	Electronics Engg.	B.E.(Electrical & Electronics)
2	Ms. Nirmala Desouza	Tech. Assistant	Physics	B.Sc. (PCM), M.Sc. (Physics)
3	Ms. Krutika Dhawle	Tech. Assistant	T&P	B.Tech. (Instrumentation)
4	Shri T.N. Kumar Reddy	Tech. Assistant	Civil Engg.	B.Tech. (Civil)
5	Shri S.R. Tarnikanti	Tech. Assistant	Mining Engg.	Diploma in Civil, B.E. Civil
6	Shri Shrawan Kumar	Jr. Engineer (Electrical)	Electrical Maint.	B.Tech. (Electrical)
7	Shri S.B. Mohite	Tech. Assistant	Electrical	Diploma in Elect. Engg., B.E. (Elect. Engg.), M.B.A.
8	Shri Sonvir Singh	Tech. Assistant	Computer Sci. & Engg.	B.Tech. Elect. & Electronics
9	Shri A.B. Pore	Jr. Engineer (Civil)	New Construction	B.Tech. (Civil)
10	Shri S.V. Choudhari	Tech. Assistant	Mechanical Engg.	B.E. Mechanical M.Tech.
11	Shri Rajikshah Chandshah	Tech. Assistant	Metallurgical Engg.	M.Sc.(Physics) M.Phil.(Physics) B.Ed.
12	Ms. A.N. Vaidya	Tech. Assistant	Physics	B.Sc. (PCM), M.Sc. (Phy.), B.Ed. (Maths, Phys.)
13	Shri J.K. Raikwar	Tech. Assistant	Library	B.Sc., MLISc. BLISc.
Ministerial Staff Higher				
14	Shri R.C. Durge	Superintendent	Exam Section	Diploma in Comp. Technology, B.E. (Computer Technology)
15	Shri K.V. Devarkonda	Superintendent	Account	B.E.(Information Tech.)
16	Dr. R.M. Rakhunde	Superintendent	Deans Office	M.Sc.(Chemistry), Ph.D.
17	Shri H. L. Ambekar	Superintendent	Establishment	B.Com., MBA, M.Com.
18	Ku. M.B. Lamsoge	Superintendent	Hostel	B.Sc., M.Sc. (Env. Sci.)
Technical Staff Lower				
19	Shri D.M. Gautam	Lab. Assistant	Chemical Engg.	B.Sc., M.Sc. (Chemistry), M.Phil. (Chemistry)
20	Smt. S.N. Saundarkar	Lab. Assistant	Chemistry	B.Sc., D.Pharmacy

Sr. No.	Name	Designation	Department / Section	Educational Qualifications
21	Smt. R.V. Thakre	Technician	Electronics Engg.	Diploma in Electronics & Telecommunication Engg.
22	Shri D.M. Thakur	Technician	Civil Engg.	Diploma in Chemical Engg.
23	Shri Binaya Kumar Kar	Technician	Electrical	SSC, ITI
24	Shri S.G. Choudhari	Technician	Mechanical Engg.	Diploma in Automobile Engg., B.E. Mechanical, M.Tech. (Industrial)
25	Shri J.J. Bhelkar	Technician	Network Centre	Diploma in Electronics & Com. Engg., B.E. (Electronics), M.A (Public Administration)
26	Shri J.M. Khande	Lab. Assistant	Mining Engg.	Diploma in Electronics & Comm
27	Shri U.P. Shende	Technician	Metallurgical Engg.	SSC, Diploma in Electrical Engg.
28	Shri C.N. Burange	Lab. Assistant	Architecture & Planning	B.Sc.(PCM), MSCIT
29	Shri G.R. Navnage	Technician	Mechanical Engg.	Diploma (Mech. Engg.), B.E. (Mech. Engg.)
30	Shri S.D. Ramteke	Technician	Computer Sci. & Engg.	Diploma (Mech. Engg.), B.E. (Mech. Engg.)
31	Shri Sudhir Kumar	Work Asst.	Library	B.A., MLISc
32	Shri O.D. Sirsam	Technician	Applied Mechanics	HSSC, ITI (Fitter)
Ministerial Staff Lower				
33	Shri P.R. Jamkar	Jr. Assistant	Establishment	B.Sc. (Chemistry), Diploma in Office Automation, Typing English 40 WPM, Hindi 30WPM, Marathi 30 wpm
34	Smt. S.S. Jalgaonkar	Jr. Assistant	Stores	B.Sc. (PCM), MCM, PGDCCA, Typing Eng. 40 wpm, Marathi 30 wpm, Hindi 30 wpm
35	Shri N.N. Golait	Jr. Assistant	Academic	B.Com., Typing Eng. 40 wpm, Marathi 30 wpm
36	Shri R.A. Vishwakarma	Jr. Assistant	Deans Office	BCA, ITI
37	Smt. R.S. Barapatre	Jr. Assistant	Exam Section	B.Com., M.Com., PGDCCA
38	Ku. L.S. Kalambhe	Jr. Assistant	T&P	B.Sc., MCM, PGDCCA
39	Shri S.N. Bhute	Jr. Assistant	Accounts	BCA , M.Sc. (Computer Science)

6.8 Supporting Staff

Sr. No.	Name	Designation	Department
1	Shri. Ashok S. Wagh	Supporting Staff	Academic
2	Shri. Bhansingh M. Thapa	Supporting Staff	Account
3	Shri. Suresh Vasant Kanpate	Supporting Staff	Administration
4	Shri. Madan R Gour	Supporting Staff	Applied Mechanics
5	Shri. Raju K Wankhede	Supporting Staff	Applied Mechanics
6	Shri. Satish O Dambelkar	Supporting Staff	Arch.& Planning
7	Shri. Indragopal C Chaturvedi	Supporting Staff	Arch.& Planning
8	Smt. Gauri B Gour	Supporting Staff	Arch.& Planning
9	Shri. Deepak G Kalbande	Supporting Staff	Chemical Engineering
10	Shri. Govind S Ambalwar	Supporting Staff	Chemical Engineering
11	Shri. Bhimrao R Bhiogade	Supporting Staff	Chemistry
12	Shri. Shankar K Atagare	Supporting Staff	Chemistry
13	Shri. Kishor S Chimote	Supporting Staff	Civil Engineering
14	Shri. Chatrapati R Bhakre	Supporting Staff	Civil Engineering
15	Shri. Prakash B Shende	Supporting Staff	Civil Engineering
16	Shri. Baliram N Bhoyar	Supporting Staff	Computer Science And Engineering
17	Shri. Avi P Raul	Supporting Staff	Computer Science And Engineering
18	Smt. Pratibha P Paunekar	Supporting Staff	Computer Science And Engineering
19	Smt. Munnibai S Jadhav	Supporting Staff	Computer Science And Engineering
20	Shri. Prabhakar T Bante	Supporting Staff	Electrical Engineering
21	Shri. Sanjay D Sahakate	Supporting Staff	Electrical Engineering
22	Shri. Vishnu P Gudadhe	Supporting Staff	Electrical Engineering
23	Shri. Tekchand F Gour	Supporting Staff	Electrical Engineering
24	Shri. Arun P Nandagawali	Supporting Staff	Electrical Maintenance
25	Shri. Mukesh Dagor	Supporting Staff	Electrical Maintenance
26	Shri. Baba S Dule	Supporting Staff	Electronics Engineering
27	Shri. Balkrishna M Jagnade	Supporting Staff	Electronics Engineering

Sr. No.	Name	Designation	Department
28	Shri. Waman M Gotmare	Supporting Staff	Electronics Engineering
29	Shri. Kamalkishor R. Reddy	Supporting Staff	Establishment & Adm.
30	Shri. Suresh Kawduji Bhoyar	Supporting Staff	Establishment & Adm.
31	Shri. Prem Shambhunath Tiwari	Supporting Staff	Establishment & Adm.
32	Shri. Babulal C Yadav	Supporting Staff	Establishment & Adm.
33	Shri. Sanket B Mitkari	Supporting Staff	Establishment & Adm.
34	Shri. Chandramouli V Matangi	Supporting Staff	Training & Placement
35	Shri. Kiran S Ramteke	Supporting Staff	Estate Maintenance
36	Smt. Shashikala S Thakur	Supporting Staff	Examination
37	Shri. Vinod B Landge	Supporting Staff	Guest House
38	Smt. Seema S Donadkar	Supporting Staff	Hostel
39	Smt. Latabai Deorao Waghmare	Supporting Staff	Humanities
40	Shri. Narendrakumar H Mishra	Supporting Staff	Library
41	Shri. Sanjay S Gadhave	Supporting Staff	Library
42	Shri. Ramjivan S Dube	Supporting Staff	Mathematics
43	Shri. Ajaykumar D Das	Supporting Staff	Mechanical Engineering
44	Shri. Ashok H Dhote	Supporting Staff	Mechanical Engineering
45	Shri. Vinayak D Dhore	Supporting Staff	Mechanical Engineering
46	Smt. Varsha J. Choudhari	Supporting Staff	Metallurgical Engineering
47	Shri. Raju S Sahare	Supporting Staff	Metallurgical Engineering
48	Shri. Umesh V Gedam	Supporting Staff	Metallurgical Engineering
49	Shri. Sahebrao M Thakre	Supporting Staff	Mining Engineering
50	Shri. Rahul R Dupare	Supporting Staff	Mining Engineering
51	Shri. Satyanarayan R Dubey	Supporting Staff	Mining Engineering
52	Shri. Rameshwar D Uike	Supporting Staff	Physics
53	Shri. Rajbahor B Choube	Supporting Staff	Physics
54	Shri. Chandrashekhar S Hiwarkar	Supporting Staff	Physics

Sr. No.	Name	Designation	Department
55	Shri. Shriram P Gaidhane	Supporting Staff	Sanitary
56	Shri. Gulab K Masram	Supporting Staff	Sanitary
57	Shri. Dyaneshwar S Surjekar	Supporting Staff	Security
58	Shri. Tilak Bahadur H Thapa	Supporting Staff	Security
59	Shri. Gangaram B Neware	Supporting Staff	Security
60	Shri. Ramsumer Patel	Supporting Staff	Security
61	Shri. Nilkhant M Mohurle	Supporting Staff	Security
62	Shri. John Micheal David	Supporting Staff	Security
63	Shri. Diwakar N Ingle	Supporting Staff	Security
64	Shri. Namdeo L Tumdam	Supporting Staff	Security
65	Shri. Ramanuj Tripathi	Supporting Staff	Security
66	Smt. Sevantabai P Bharde	Supporting Staff	Store
67	Shri. Sunil B Lahariya	Supporting Staff	Estt & Admin
68	Shri. Suresh M Pannase	Supporting Staff	Training & Placement
69	Shri. Vinod C Waghmare	Supporting Staff	Workshop (Mech.Engg.)
70	Shri. Prabhakar O Gaikwad	Supporting Staff	Workshop (Mech.Engg.)
71	Shri. Vijay S Tabhane	Supporting Staff	Workshop (Mech.Engg.)
72	Shri. Shivanand P Bhardwaj	Supporting Staff	Workshop (Mech.Engg.)
73	Smt. Ashwini Sudhir Chachane	Supporting Staff(Dresser)	Health Centre

6.9 Administrative Officers

Category	Pay Scales	Sanctioned Posts	Staff in Position.
Principal Technical Officer	15600-39100+7600	2	1
Sr. Scientific/Technical Officer	15600-39100+6600	3	3
Scientific/Technical Officer	15600-39100+ 5400	9	1
Total		14	5

Category	Pay Scale	Sanctioned Posts	Staff in Position
Registrar	37400-67000+10000	1	0
Dy. Registrar	15600-39100+7600	4	3*
Asst. Registrar	15600-39100+5400	6	4
Librarian	37400-67000+10000	1	-
Dy. Librarian	15600-39100+ 6000	1	-
Asst. Librarian	15600-39100+ 6000	1	1
Executive Engineer	15600-39100+6600	1	1
Assistant Ex. Engineer	15600-39100+5400	2	-
Sr. Medical Officer	15600-39100+7600	1	-
Medical Officer	15600-39100+5400	1	1
Total		19	10

* 1. Shri K.N.DAKHALE ,Dy Registrar , IIT Kanpur is on Lien to this institute as Dy Register (Stores).

6.10 Sanctioned position of Group "B & C" Cadre :-

Sr. No.	Category and scale of pay	Sanctioned post	In position
TECH. HIGHER		100	
1.	Tech. Asst. (SG-II) 9300-34800 + 4800	22	01
2.	Assistant Engineer 9300-34800 + 4600	34	02
3.	Sr. Tech. Assistant 9300-34800 + 4600		06
4.	Sr. Staff Nurse 9300-34800 + 4600		01
5.	Sr. Tech. Asst. (Library) 9300-34800 + 4600		02*
6.	Technical Assistant 9300-34800 + 4200	44	18
7.	Jr. Engineer 9300-34800 + 4200		02
8.	Tech. Asst. (Sanitation) 9300-34800 + 4200		01*
		Total	33
TECH. LOWER		101	48
9.	Technician (SG-II) 9300-34800 + 4600	23	03
10.	Technician (SG-II) 9300-34800 + 4200		01
11.	Pharmacist 5200-20200 + 2800		01
12.	Lab. Asst. (SG-II) 5200-20200 + 2800		03
13.	Technician (SG-II) 5200-20200 + 2800		03

Sr. No.	Category and scale of pay	Sanctioned post	In position
1.	Work Asst. (SG-II) 5200-20200 + 2800		01
2.	Sr. Lab. Asst. 5200-20200 + 2800		02
3.	Sr. Work Asst. 5200-20200 + 2800		03
4.	Sr. Lab. Asst. 5200-20200+2400	34	08
5.	Sr. Library Asst. 5200-20200 + 2400		04
6.	Sr. Technician 5200-20200 + 2400		00
7.	Sr. Work Asst. 5200-20200 + 2400		03
8.	Lab. Asst. 5200-20200 + 2400		02
9.	Lab. Asst. 5200-20200 + 2000	44	04
10.	Library Asst. 5200-20200 + 2000		00
11.	Technician 5200-20200 + 2000		09
12.	Work Asst. 5200-20200 + 2000		01
		Total	48
MINISTERIAL HIGHER			
		27	13
13.	Sr. Superintendent (GH) 9300-34800 + 4600	09	01
14.	Stenographer SG-I 9300-34800 + 4600		01*
15.	Stenographer SG-II 9300-34800 + 4600		04*
16.	Jr. Hindi Translator 9300-34800 + 4200	12	00
17.	Security Officer 9300-34800 + 4200		01
18.	Superintendent 9300-34800 + 4200		06
		Total	13
19.	Sr. Technician 5200-20200 + 2400		00
20.	Sr. Work Asst. 5200-20200 + 2400		03
21.	Lab. Asst. 5200-20200 + 2400		02
22.	Lab. Asst. 5200-20200 + 2000	44	04

Sr. No.	Category and scale of pay	Sanctioned post	In position
23.	Library Asst. 5200-20200 + 2000		00
24.	Technician 5200-20200 + 2000		09
25.	Work Asst. 5200-20200 + 2000		01
		Total	48
MINISTERIAL HIGHER		27	13
26.	Sr. Superintendent (GH) 9300-34800 + 4600	09	01
27.	Stenographer SG-I 9300-34800 + 4600		01*
28.	Stenographer SG-II 9300-34800 + 4600		04*
29.	Jr. Hindi Translator 9300-34800 + 4200	12	00
30.	Security Officer 9300-34800 + 4200		01
31.	Superintendent 9300-34800 + 4200		06
		Total	13
MINISTERIAL LOWER		58	32
32.	Assistant SG-II 9300 - 34800 + 4200	32	02
33.	Assistant SG-II 5200-20200 + 2800		04
34.	Sr. Assistant 5200-20200+2800		09
35.	Jr. Assistant 5200-20200+2000	26	16
36.	Trainee Jr. Assistant 4440-7440	00	01
		Total	32
	Grand Total	286	126

Note:- *Shall be continued with same PB & GP with modified designations, as they are continued since REC system.

Supporting Staff

Categories of the staff	Supporting Staff
Sanctioned strength	50
In position strength	73

6.11 Teaching staff (sanctioned / in position)

Pay Band

Professor (HAG Scale) - 67000-79000

Professor - (PB-4) - 37400-67000+AGP Rs. 10500

Professor - (PB-4) - 37400-67000+AGP Rs. 10000

Associate Professor - (PB-4) - 37400-67000+AGP Rs. 9500

Associate Professor - (PB-4) - 37400-67000+AGP Rs. 9000

Assistant Professor - (PB-3) - 15600-39100+AGP Rs. 8000

Assistant Professor - (PB-3) - 15600-39100+AGP Rs. 7000

Assistant Professor - (PB-3) - 15600-39100+AGP Rs. 6000

Department	Professor	Associate. Professor	Assistant. Professor	Total
Applied Mechanics	3(5)	6(3)	13(5)	22(13)
Applied Physics	2(1)	4(3)	7(6)	13(9)
Architecture & Planning	3(2)	6(5)	13(9)	22(16)
Chemistry	2(1)	4(3)	8(7)	14(11)
Civil Engg.	4(3)	8(7)	17(6)	29(16)
Computer Science	5(2)	10(4)	20(6)	35(12)
Electrical Engg.	6(3)	12(11)	22(4)	40(18)
Electronics	4(5)	9(3)	18(5)	31(13)
Humanities	1(-)	3(2)	5(1)	9(3)
Maths	3(1)	6(1)	10(7)	19(9)
Mechanical Engg.	6(6)	11(6)	23(15)	40(27)
Metallurgy	4(3)	7(5)	15(6)	26(14)
Mining	1(2)	2(2)	5(1)	8(5)
Physical Education	-	-	3(2)	3(2)
Chemical Engg.	3(-)	5(3)	11(14)	19(17)
TOTAL	47(34)	93(58)	190(93)	330(185)
	+1**	+3**	+1**	+5**

* Actual staff in position is shown in bracket

** Distribution of sanctioned 1 posts of Professor, 3 posts of Assoc. Prof., 1 posts of Asst. Prof. are to be done.

6.12 Non Teaching Staff in position / sanctioned in Workshop / R.Lab. Computer Centre

Sr. No.	Category	Pay Scales	Staff in position
1	Sr. Tech. Asst.	PB-2 + GP 5400	01
2	Sr. Tech. Asst.	PB-2 + GP 4600	11
3	Technical Asst.	PB-2 + GP 4200	16
4	Technician/Lab Asst. /Work Asst. SG-II	PB-1 & 2 + GP 4600,4200 & 2800	13
6	Sr. Lab. Assistant	PB-1 + GP-2800,2400	11
7	Lab. Assistant/ Technician	PB-1 + GP-2000,	14
	Total		66

6.13 Administrative Officers

Category	Pay Scales	Sanctioned Posts	Staff in Position.	Vacant Post
Principal Technical Officer	15600-39100+7600	2	1	1
Sr. Scientific/Technical Officer	15600-39100+6600	3	3	0
Scientific/Technical Officer	15600-39100+ 5400	9	1	8
Total		14	5	9

Category	Pay Scale	Sanctioned Posts	Staff in Position	Vacant Post
Registrar	37400-67000+10000	1	0	1
Dy. Registrar	15600-39100+7600	4	3*	1
Asst. Registrar	15600-39100+5400	6	4	2
Librarian	37400-67000+10000	1	-	1
Dy. Librarian	15600-39100+ 6000	1	-	1
Asst. Librarian	15600-39100+ 6000	1	1	-
Executive Engineer	15600-39100+6600	1	1	-
Assistant Ex. Engineer	15600-39100+5400	2	-	2
Sr. Medical Officer	15600-39100+7600	1	-	1
Medical Officer	15600-39100+5400	1	1	-
Total		19	10	09

* 1. Shri KAILAS NATTHUJI DAKHALE, ,Dy Registrar , IIT Kanpur is on Lien to this institute as Dy Registrar (Stores).

6.14 Statement of Group B & C Position

Sr. No.	Designation and scale of pay	No of Sanctioned post **	In position	Vacant post	Category of employees in position						
					Male	Female	SC	ST	PWD	OBC	Open
Technical Staff (Higher Cadre)											
1.	Tech. Asst. (SG-I) 9300-34800 + 5400	22	00	20	00	00	00	00	00	00	00
2.	Assistant Engineer (SG-I) 9300-34800 + 5400		00		00	00	00	00	00	00	00
3.	SAS Assistant (SG-I) 9300-34800 + 5400		00		00	00	00	00	00	00	00
4.	Sr. Tech. Assistant 9300-34800 + 5400		01		01	00	00	00	00	01	00
5.	Tech. Asst. (SG-II) Library 9300-34800 + 4800		01		01	00	01	00	00	00	00
6.	Assistant Executive Engineer 9300-34800 + 4800		00		00	00	00	00	00	00	00
7.	SAS Assistant (SG-II) 9300-34800 + 4800		00		00	00	00	00	00	00	00

Sr. No.	Designation and scale of pay	No of Sanctioned post **	In position	Vacant post	Category of employees in position						
					Male	Female	SC	ST	PWD	OBC	Open
8.	Sr. Tech. Asst. (Library) 9300-34800 + 4600	34	01	21	01	00	00	00	00	00	01
9.	Sr. Tech. Assistant 9300-34800 + 4600		09		06	03	03	02	00	00	04
10.	Sr. Staff Nurse 9300-34800 + 4600		01		00	01	00	00	00	00	01
11.	Assistant Engineer 9300-34800 + 4600		02		02	00	01	00	00	00	01
12.	Sr. SAS Assistant 9300-34800 + 4600		00		00	00	00	00	00	00	00
13.	Technical Assistant 9300-34800 + 4200	44	15	26	12	03	03	01	01	05	05
14.	Junior Engineer 9300-34800 + 4200		02		02	00	00	00	00	01	01
15.	Tech. Asst. (Library) 9300-34800 + 4200		01		01	00	00	00	01	00	
16.	SAS Assistant 9300-34800 + 4200		00		00	00	00	00	00	00	
17.	Staff Nurse 9300-34800 + 4200		00		00	00	00	00	00	00	00
Technical Staff (Lower Cadre)											
18.	Technician (SG-II) 9300-34800 & 5200-20200 + 4600, 4200, 2800	57	07	23	07	00	02	00	00	03	02
19.	Technician (SG-I) 9300-34800 + 4200		00		00	00	00	00	00	00	00
20.	Lab. Asst. (SG-I) 9300-34800 + 4200		00		00	00	00	00	00	00	
21.	Work Asst. (SG-I) 9300-34800 + 4200		00		00	00	00	00	00	00	
22.	Senior Lab. Asst. 5200-20200 + 2400, 2800		11		09	02	00	00	00	10	01
23.	Senior Work Asst. 5200-20200 + 2400, 2800		06		05	01	02	00	00	03	01
24.	Lab./Library Asst. (SG-II) 5200-20200 + 2800		05		04	01	03	01	00	00	01
25.	Work Asst. (SG-II) 5200-20200 + 2800		01		01	00	00	00	00	01	00
26.	Pharmacist 5200-20200 + 2800		01		01	00	01	00	00	00	00
27.	Senior Technician 5200-20200 + 2400		00		00	00	00	00	00	00	00
28.	Sr. Library Asst 5200-20200+2400		03		02	01	00	00	00	03	00
29.	Technician 5200-20200 + 2000	44	09	30	08	01	02	01	00	03	03
30.	Work assistant 5200-20200 + 2000		01		01	00	01	00	00	00	00
31.	Lib. Asst. 5200-20200+2000		04		03	01	00	00	01	01	02

Sr. No.	Designation and scale of pay	No of Sanctioned post **	In position	Vacant post	Category of employees in position						
					Male	Female	SC	ST	PWD	OBC	Open
Ministerial Staff (Higher Cadre)											
1.	Superintendent (SG-I) 9300-34800 + 5400	06	00	06	00	00	00	00	00	00	00
2.	Superintendent (SG-II) 9300-34800 + 4800		00		00	00	00	00	00	00	00
3.	Senior Superintendent 9300-34800 + 4600	09	01	03	00	01	00	00	00	00	01
4.	Stenographer (SG-II) 9300-34800 + 4600		04		03	01	01	00	00	00	03
5.	Stenographer (SG-I) 9300-34800 + 4600		01		00	01	00	00	00	00	01
6.	Superintendent 9300-34800 + 4200	12	06	05	04	02	02	00	00	02	02
7.	Accountant 9300-34800 + 4200		00		00	00	00	00	00	00	00
8.	Jr. Hindi Translator 9300-34800 + 4200		00		00	00	00	00	00	00	00
9.	Security Officer 9300-34800 + 4200		01		01	00	00	00	00	00	01
Ministerial Staff (Lower Cadre)											
10.	Assistant (SG-I) 9300-34800 + 4200	13	00	06	00	00	00	00	00	00	00
11.	Assistant (SG-II) 5200-20200 + 2800, 4200		07		07	00	01	01	00	02	03
12.	Senior Asst. 5200-20200 + 2400, 2800	19	16	03	11	05	04	04	00	04	04
13.	Junior Asst. 5200-20200 + 2000	26	09	17	04	04	00	00	00	05	03
14.	Trainee Jr. Asst. 4440-7440				01	00	00	00	00	00	01
Stenographers (Higher Cadre)											
15.	Secretary 9300-34800 + 4200	00	00	-	00	00	00	00	00	00	00
16.	Senior Secretary 9300-34800 + 4600		00	-	00	00	00	00	00	00	00
17.	Secretary (SG-II) 9300-34800 + 4800		00	-	00	00	00	00	00	00	00
18.	Secretary (SG-I) 9300-34800 + 5400		00	-	00	00	00	00	00	00	00
Pharmacists											
19.	Senior Pharmacist 9300-34800 + 4200	00	00	-	00	00	00	00	00	00	00
20.	Pharmacist (SG-II) 9300-34800 + 4600		00	-	00	00	00	00	00	00	00
21.	Pharmacist (SG-I) 9300-34800 + 4800		00	-	00	00	00	00	00	00	00
	Total	286	126	160	98	28	27	10	02	45	42

6.15 Statement of (Supporting Staff) position

Sr.No.	Designation	Scale of pay	In Position	Category of employees in position					
				Male(M)	Female(F)	SC	ST	OBC	UR
1	Supporting Staff	5200-20200/-	Supporting Staff	64	9	17	10	22	24

6.16 Staff Retired/Resigned/Expired during the year.

Sr.No.	Name	Designation	Date Of Departing And Reason
1	Dr.I.K. Chopde	Professor, Mechanical Engineering	31.07.2014 Superannuation
2	Shri S.B. Shringarputalay	Professor, Mining Engineering	31.08.2014 Superannuation
3	Shri D.J. Katyayan	Professor, Civil Engineering	30.09.2014 Superannuation
4	Dr. P.D. Porey	Professor, Civil Engineering	31.10.2014 Superannuation
5	Dr. R.K. Paretkar	Professor, Metallurgical & Materials Engineering	31.12.2014 Superannuation
6	Shri A.P. Virodkar	Dy.Registrar (Accounts)	Completion Of Deputation 27.10.2014
7	Dr. M. Anand Murugan	Librarian	1.03.2015 Resigned
8	Mr.Abhishek Kumar Singh	Work Assistant	Resigned On 10.11.2014
9	Smt. Swati R. Chadha	Jr. Hindi Translator	Resigned On 19.08.2014
10	Shri Shrinath Prasad	Computer Science	30.04.2014 Superannuation
11	Smt. Pramila Bai P. Raut	Mechanical Engg	31.12.2014 Superannuation
12	Shri Sheshmani Shukla	Security	28.02.2015 Superannuation
13	Shri Vishnu Thakur	Sanitary	Vol. Retirement

6.17 Group - B & C Staff deputed / sponsored for Training – learning

Sr. No.	Name of employee	Deputed to	Period of deputation	Purpose
1	Shri K V. Devarkonda	New Delhi	27.11.2014 to 29.11.2014.	Refresher training programme on "Cash & Accounts"
2	Shri H. L. Ambekar	New Delhi	27.11.2014 to 29.11.2014.	Refresher training programme on "Cash & Accounts"
3	Dr. R. M. Rakhunde	Ramdaspath, Nagpur	05.02.2015 to 07.02.2015	International Conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences (ICFM-2015)
4	Shri Binaya Ku. Kar	IIT Bombai	09.03.15 to 13.03.15	Workshop on photo volatic for technicians



VNIT Administration Staff

(b) Faculty with administrative responsibility

Sr. No.	Name	Designation
1.	Dr.Narendra Chaudhary	Director
2.	Dr. S.R. Sathe,	Dean (P & D)
3.	Dr.P.M.Padole,	Dean(Faculty Welfare)
4.	Dr. H.M.Suryawanshi, in Dept.	Dean (R & C)
5.	Dr.O.R.Jaiswal,	Dean (Acad.)
6.	Dr. G.P.Singh,	Dean (Students Welfare)
7.	Dr. A.B. Andhare, Associate Dept.	Professor (T & P)
8.	Dr. D.H.Lataye,	Chief Warden
9.	Dr.R.S. Sonparote,	Asso.Dean, Civil Work
10.	Dr. M.R. Ramteke,	Asso.Dean,(Electrical Work)
11.	Dr. V.B. Borghate	Asso.Dean,(Procurement &Stores)
12.	Dr.A.S. Gandhi	Asso.Dean,(Exam)
13.	Dr. S.G. Sapate	Asso.Dean,(Education Technology and Library)
14.	Dr. U.A. Deshpande	Asso.Dean,(Information Technology, MIS, Network & Website)
15.	Dr. M.S. Anupama Kumar	Asso. Dean. (Public Relation)
16.	Dr. D.H. Lataye	Asso.Dean. (Hostel Affairs)
17.	Dr. A.B. Andhare	Asso.Dean. (Training & Placement)
18.	Dr. J.D. Ekhe	Asso.Dean. (Student Activities)
19.	Dr. S.S. Bhat	Asso.Dean. (Industry Institute Interaction)

Administrative staff

6.18 Staff deputed/sponsored for Training- Learning –

1. Dr. M. K. Khedkar is on deputation – as Vice Chancellor, Sant Gadge Baba University, Amravati.
2. Dr. N. V. Deshpande is on deputation-as Director, NIT Silchar
3. Dr. H. T. Thorat is on deputation- as Director, NIT Uttarakhand
4. Dr.O. G. Kakde is on deputation-as Director VJTI, Mumbai
5. Dr. Swapnajit Pattnaik, Asso.Professor, Electrical Engg.Dept. is on deputation to this institute from NIT Raipur.
6. Shri Sandip Panchal, Assistant Professor, Mining Engineering Department, is deputed to I.I.T., Kharagpur for Ph.D. study at under QIP Scheme for a period of 3 (Three) years from 15.07.2013 to 14.07.2016.
7. Shri P.D. Sawarkar, Assistant Professor, Mechanical Engineering Department, deputed to I.I.T., Madras for Ph.D. study under QIP Scheme for a period of 3 (Three) years from 15.07.2013 to 14.07.2016.
8. Shri Kannaiyan Surender, Assistant Professor, Electronics Engineering Department, deputed to IIT Bombay for Ph.D. study under QIP Scheme for a period of 3 (Three) Years from 14.07.2012 to 13.07.2015.
9. Shri N.K. Laatre, Assistant Professor, Mechanical Engineering Department, deputed to IIT Roorkee for Ph.D. study under QIP Scheme for a period of 3 (Three) Years from 16.07.2012 to 15.07.2015.

Group A Staff deputed / sponsored for Training – Learning

Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
1	Dr. P.P. Chakravarthy	Mathematics	Associate Professor	IJAS International Conference for Technology and Science	November 4-7, 2014	University of London, UK
2	Shri M. P. Kurhekar	Computer Sciece	Associate Professor	8th International Conference - BIONETICS	1-3 Dec 2014	Boston, Massachusetts
3	Ms. Mansi Radke	Computer Sciece	Assistant Professor	Faculty Development Program on "Design and Analysis of Algorithms"	10.05.2014 to 14.05.2014	Pune
4	Ms. Mansi Radke	Computer Sciece	Assistant Professor	3rd International Conference in "Advances in Computing, Communications & Informatics"	24-27 September, 2014	Greater Noida, Delhi
5	Dr. M. Ghosal	Humanities	Associate Professor	One week Summer school on "Intellectual Property Rights and Cyber Security(IPR & CS-2014)	April 14-18, 2014	NIT Durgapur

Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
6	Dr. M. Ghosal	Humanities	Associate Professor	TEQIP Sponsored Short Term Course on Professional Communication	30 June- 4 July, 2014	MANIT Bhopal
7	Dr. G.N. Nimbarte	Humanities	Assistant Professor	TEQIP Sponsored Short Term Course on Professional Communication	30 June- 4 July, 2014	MANIT Bhopal
8	Dr. G.N. Nimbarte	Humanities	Assistant Professor	40TH All India Sociological Conference	27 Nov 2014 to 2 dec 2014	Mahatma Gandhi Kashi Vidyapith, Varanasi
9	Dr. G.N. Nimbarte	Humanities	Assistant Professor	2nd International Conference and Doctoral Colloquium o Transformative Social Science Research: Disciplines, Collaborations & Think Tanks	3rd March, 2015 to 4th March, 2015	Oosmania University Campus, Hyderabad
10	Dr. H.M. Suryawanshi	Electrical	Professor	40th Annual Conference of the IEEE Industrial Electronics Society (IECON 2014)	29 th October – 1 st November, 2014	Dallas, T.X. - U.S.A.
11	Dr. Mrs.M. A. Chaudhari	Electrical	Associate Professor	2nd IEEE International Students Conference for Electrical, Electronics and Computer Science (SCEECS-2014) and to present paper	March 1-2, 2014	MANIT, Bhopal (M.P.)
12	Dr. S.S. Bhat	Electrical	Associate Professor	Workshop on Demand Side Management in India Technology & Landscape Assessment & Roadmap for future	28th June 2014	New Delhi
13	Shri. B.S. Umre	Electrical	Associate Professor	18th National Power Systems Conference (NPSC 2014)	16-22 December 2014	IIT Guwahati, Assam, INDIA
14	Dr.P.S. Kulkarni	Electrical	Associate Professor	Power Electronic Applications for Renewable Integration	March 30 to April 1, 2015	IIT, Kanpur

Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
15	Dr. Makarand S. Ballal	Electrical	Associate Professor	40th Annual Conference of IEEE Industrial Electronics Society (IECON 2014)	October 29 - November 1, 2014	Dallas, T.X. - U.S.A.
16	Dr. N.R. Thote	Mining	Associate Professor	To attend International Symposium on "Environmental Management and Current Practices in Mining & Allied Industries	13-15 February 2014	IIT BHU Varanasi
17	Dr. Ashwin Kothari	Electronics	Associate Professor	National Instruments Week 2014	August 2-14, 2014	Texas Austin, USA
18	Shri V.R. Satpute	Electronics	Assistant Professor	International Multi-conference of Engineers and Computer Scientists 2014 on Imaging Engineering and to present paper	12-14 March 2014	hongkong
19	Shri V.R. Satpute	Electronics	Assistant Professor	9th IEEE information conference ICIIS 2014	15-17 dec 2014	IIITM Gwalior
20	Shri V.R. Satpute	Electronics	Assistant Professor	(ISSPIT 2014) IEEE International Symposium on Signal Processing and Information Technology	15-17 dec 2014	Jaypee Institute of Information Technology, Noida, India
21	Shri V.R. Satpute	Electronics	Assistant Professor	World Congress on Engineering and Computer Science 2014	October 22-24, 2014	San Francisco, USA
22	Dr. Alpana R. Dongre	Architecture & Planning	Professor	invited as a resource person for a 6 days workshop on "Earthquake Resistance Practices for students of Architectural College"	30 June to 5th July, 2014	IIT Kanpur
23	Dr. Rajashree Kotharkar	Architecture & Planning	Associate Professor	Two days workshop on "Sustainability through Systems of Settlements"	17-18 January, 2014	School of Planning and Architecture, New Delhi

Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
24	Dr.Rajashree Kotharkar	Architecture & Planning	Associate Professor	workshop on "Revision of UDPFI Guidelines"	30 January, 2014	School of Planning and Architecture, Bhopal
25	Dr.Rajashree Kotharkar	Architecture & Planning	Associate Professor	Workshop on Project WUDAPT (World Urban Database and Access Portal Tools)	July 7-9, 2014	University College of Dublin, Dublin, Ireland
26	Shri V.S. Kapse	Architecture & Planning	Associate Professor	One day workshop on "Planning Education"	5th July, 2014	Institute of Town Planners, New Delhi
27	Shri Pankaj Bahadure	Architecture & Planning	Assistant Professor	Two days workshop on "Sustainability through Systems of Settlements"	17-18 January, 2014	School of Planning and Architecture, New Delhi
28	Shri Pankaj Bahadure	Architecture & Planning	Assistant Professor	To visit SPA, New Delhi for referring library resources	11-14 March, 2014	School of Planning and Architecture, New Delhi
29	Dr. S.S. Umare	Chemistry	Professor	Short Term Training Program on "Building Excellence in Professional Higher Educational Institutions"	19-21 January, 2014	ISB Hyderabad
30	Dr. S.S. Umare	Chemistry	Professor	to attend Indo-UK International Workshop on "Advanced Materials and their applications in Nanotechnology(AM AN 2014)" and to present paper	May 17-19, 2014	BITS Pilani, KK Birla, Goa Campus
31	Dr. Sujit Kumar Ghosh	Chemistry	Associate Professor	to attend National Conference on "Advances in Chemistry and their Biological and Industrial Relevance(ACBIR-2014)" and to present paper	10-11 January, 2014	NIT Rourkela
32	Dr. Sujit Kumar Ghosh	Chemistry	Associate Professor	to attend Indo-UK International Workshop on "Advanced Materials and their applications in Nanotechnology(AM AN 2014)" and to present paper	May 17-19, 2014	BITS Pilani, KK Birla, Goa Campus

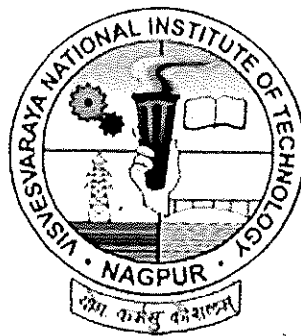
Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
33	Dr. Mrs. Anupama Kumar	Chemistry	Associate Professor	International Congress on "Molecular Imprinting (MIP 2014)"	18-21 September, 2014	Zhenjiag, China
34	Dr. Mrs. Anupama Kumar	Chemistry	Associate Professor	visit for presenting the Project Proposal to NRB	2 May, 2014	IIT Madras
35	Dr. Chayan Das	Chemistry	Assistant Professor	to visit and work at Leibniz Insitute of Polymer Research, Germany	26.05.2014 to 27.07.2014	Leibniz Insitute of Polymer Research, Germany
36	Dr. Sangesh Zodape	Chemistry	Assistant Professor	Nevel Chemical species Department of Chemistry , RTM Nagpur University	24-11-2014 to 28-11-2014	Department of Chemistry , RTM Nagpur University
37	Dr. Sangesh Zodape	Chemistry	Assistant Professor	International Conference on ICNAAM 2014	Novel Chemical species of santillis Magnegas in Hadronic Chemistry	September 22-26, 2014
38	Dr. O.R. Jaiswal	Applied Mechanics	Professor	to attend the meeting of Buero of Indian Standard (BIS), Committee CED 39, on Earthquake Resistant Structures	28th April, 2014	Delhi
39	Dr. R.K. Ingle	Applied Mechanics	Professor	NIT Review Committee Meeting	15 January, 2014	IIT Delhi
40	Dr.S.V. Bakre	Applied Mechanics	Associate Professor	Short Term Training Program on "Building Excellence in Professional Higher Educational Institutions"	19-21 January, 2014	ISB Hyderabad
41	Dr.Ms. D.Datta	Applied Mechanics	Assistant Professor	To visit Wind Tunnel	11.04.2014	Aerospace Engg. Dept., IIT Bombay
42	Dr. K.L. Wasewar	Chemical	Associate Professor	Short Term Training Program on "Building Excellence in Professional Higher Educational Institutions"	19-21 January, 2014	ISB Hyderabad

Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
43	Dr.A.S. Chaurasia	Chemical	Associate Professor	one day National Symposium on "Clean Energy from the coal Resorce Reliability linked to its Relative Advances"	14th february, 2014	CSIR-IICT Hyderabad
44	Dr.A.S. Chaurasia	Chemical	Associate Professor	two days Intensive course on "Adsorptive Separations"	28 Feb-1 March, 2014	VNIT Nagpur
45	Dr.S.A. Mandavgande	Chemical	Associate Professor	two days Intensive course on "Adsorptive Separations"	28 Feb-1 March, 2014	VNIT Nagpur
46	Dr.S.A. Mandavgande	Chemical	Associate Professor	International Conference on Green Technology for Enviornmental Pollution Prevention and Control (ICGTEPC 2014)	27-29 September, 2014	NIT Trichirapalli
47	Dr. Vijayakumar R.P.	Chemical	Assistant Professor	two days Intensive course on "Adsorptive Separations"	28 Feb-1 March, 2014	VNIT Nagpur
48	Shri S.M. Kodape	Chemical	Assistant Professor	two days Intensive course on "Adsorptive Separations"	28 Feb-1 March, 2014	VNIT Nagpur
49	Mrs. S.P. Tajane	Chemical	Assistant Professor	two days Intensive course on "Adsorptive Separations"	28 Feb-1 March, 2014	VNIT Nagpur
50	Mrs. S.P. Tajane	Chemical	Assistant Professor	International Conference on Green Technology for Enviornmental Pollution Prevention and Control (ICGTEPC 2014)	27-29 September, 2014	NIT Trichirapalli
51	Dr. D.Z. Shende	Chemical	Assistant Professor	Short Term Training Program on "Synthesis, Characterizations & Applications of Biomaterials "	25-29 June, 2014	MANIT Bhopal
52	Dr. Mahesh N. Varma	Chemical	Assistant Professor	Attend 2014 American Institute of Chemical Engineering Annual Conference and to present his paper at atlanta USA	16-21 Nov 2014	Atlanta USA

Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
55	Dr.R. M. Deshpande	Librarian	Assistant Librarian	10th Annual Meet and Workshop of INDEST-AICTE Consortium	5-6 May, 2014	NIT Silchar
56	Dr. Rajesh Gupta	Civil	Professor	Indian Water Works Association 46th Annual Convention and to present paper	16-19 January, 2014	Central College, Bangalore
57	Dr. Y.B. Katpatal	Civil	Associate Professor	National Seminar on "Groundwater and Lakes: Recent Advancements and Environmental Aspects" and to present paper	20-21 February, 2014	Hotel Tuli Imerial, Ramdaspath, Nagpur
58	Dr.R.V. Ralegaonkar	Civil	Associate Professor	19th Annual Convention and National Seminar on "Information Technology and CAD in Construction Industry" and to present Paper	6-8 February, 2014	Vigyan Bhawan, New Delhi
59	Dr. A.R. Tembhurkar	Civil	Associate Professor	Short Term Training Program on "Building Excellence in Professional Higher Educational Institutions"	19-21 January, 2014	ISB Hyderabad
60	Dr.A.D. Ghare	Civil	Associate Professor	National Conference on "Water Resource Management Achievements and Challenges-2014"	22nd March, 2014	Jamia Millia Islamia University, New Delhi
61	Dr. Anirban Mandal	Civil	Associate Professor	To attend workshop	26th March, 2014	IIT Bombay
62	Shri Swapnil Wanjari	Civil	Assistant Professor	Workshop to discuss about Project Management Educations in NITs	21st March, 2014	L & T Chennai
63	Mr. Abhay Tawlare	Civil	Assistant Professor	International Conference Transportation of civil engineering	21-22 March 2015	London
64	Dr. D.H. Lataye	Civil	Assistant Professor	Worshop on National Forum on Air Quality Management : Transport, Health and Sustainability	21-23 Jan 2015	IIT Bombay

Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
66	Dr. D.H. Lataye	Civil	Assistant Professor	to attend workshop on :Automated Air Pollution Monitoring"	23-24 January, 2014	IIT Bombay
67	Dr. D.H. Lataye	Civil	Assistant Professor	7th International Conference on enviornmental science and technology and to present paper	9-13 June, 2014	Crowne Plaza, Houston, Texa, USA
68	Dr. Mirajkar Ashwini b.	Civil	Assistant Professor	Faculty Development Program for Achiving Acadmic Ecellence	23 to 28 March 2015	IIT Raipur
69	Dr. A. M. Kuthe	Mechanical	Professror	6th international conf. on Computation Mechanics	14-17 July 2015	Auckland, New Zeland
70	Dr. Animesh Chatterjee	Mechanical	Professror	to attend meeting on IVHM	28th January 2014	ADA Bangalore
71	Dr. P.M. Padole	Mechanical	Professror	International Conference on Materials Engineering and Technology	26-27 September, 2014	London, United Kingdom
72	Dr. Vilas Kalamkar	Mechanical	Associate Professor	to attend 2days workshop on "Propulsion Technologies"	24-25 January, 2014	IIT Bombay
73	Dr. Y.M. Puri	Mechanical	Associate Professor	to attend Training on "Incorporation of Pedagogy in Engineering Education"	03-07 February, 2014(revised date)	IISc Bangalore
74	Dr. Atul B. Andhare	Mechanical	Associate Professor	Gear Fault Diagnosisi using ANN	3 dec 2014 to 8 dec 2014	NIT Tricy
75	Dr. H.P. Jawale	Mechanical	Assistant Professor	to attend International Conference on "Structural Integrity" and for Project Identification	4-7 February, 2014	IGCAR Kalpakkam
76	Shri P.V.Kane	Mechanical	Assistant Professor	to attend Short Term Course on "Bearing and Gear Fault Diagnosis"	21-23 March, 2014	IIT Indore
77	Dr. Arun Kumar Singh	Mechanical	Assistant Professor	Workshop on "Chaotic Dynamical Systems and Control"	16-22 April, 2014	IIT Kanpur

Sr. No.	Name	Department	Designation	Deputation Details	Deputation Period	Place where deputed
79	Dr. Mrs. Sujata Patrikar	Applied Physics	Assistant Professor	to attend International Conference on "Energy Efficient LED Lighting and Solar Photo Voltaic Systems"	27-29 March, 2014	IIT Kanpur
80	Dr. Mrs. S.M. Giripunje	Applied Physics	Assistant Professor	to attend International Conference on "Energy Efficient LED Lighting and Solar Photo Voltaic Systems" and to present paper	27-29 March, 2014	IIT Kanpur
81	Dr. K. Mohan Kant	Applied Physics	Assistant Professor	to visit Central University of Hyderabad	08 May to 07 July, 2014	Central University of Hyderabad
82	Dr. A.P. Patil	Metallurgical & Materials	Professor	visit for Technical Discussion	21.02.2014	SCIR-AMPRI, Bhopal
83	Dr. A.P. Patil	Metallurgical & Materials	Professor	To attend Surface Characterization Workshop	15-16 April, 2014	IIT Bombay
84	Dr. A.P. Patil	Metallurgical & Materials	Professor	EUROCORR 2014	September 8-12, 2014	PISA Italy
85	Dr. Jatin Bhatt	Metallurgical & Materials	Associate Professor	Review Workshop on "Industry-Academia Collaboration"	10th March, 2014	IIT Bombay
86	Dr. Jatin Bhatt	Metallurgical & Materials	Associate Professor	15th International Conference on Rapidly Quenched and Metastable Materials RQ15	August 24-28, 2014	Shanghai, China
87	Dr. D.V. Moghe	Metallurgical & Materials	Associate Professor	Visit to IIT Bombay for Technical Discussion	11-17 May, 2014	IIT Bombay
88	Dr. D.V. Moghe	Metallurgical & Materials	Associate Professor	Visit to Rourkela Steel Plant	3-5 July, 2014	Rourkela Steel Plant
89	Dr. D.V. Moghe	Metallurgical & Materials	Associate Professor	Visit Midhani (Hyderabad) for technical discussion	23-25 June, 2014	Midhani(Hyderabad)
90	Dr. V.K. Didolkar	Metallurgical & Materials	Associate Professor	WCCI, 16th World Conference on Education	15-19 March 2015	Diego, California
91	Dr. Atul Ballal	Metallurgical & Materials	Assistant Professor	144th TMS annual meeting and exhibition	August 17-24, 2014	Orlando USA
92	Mr. K.N. Dakhale	Administration	Dy Registrar(Store)	Online RTI applications	Jan 8, 2015	IEST Shibpur, New Delhi



Ph.D. Programs

7. Ongoing Ph.D.s

7.1 Applied Mechanics

S. No.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	Investigation into Structural Steel semi – rigid connection	Arvind Vyavahare	Dr. L. M. Gupta	Jan 2005
2.	Structural properties of Gadhi Mati	Vijay Kondekar	Dr. O. R. Jaiswal Dr. L. M. Gupta	Jan 2008
3.	Behavior of various Layouts of Grid Type Staging for Elevated Water Tanks	Abhay Khandeshe	Dr. R. K. Ingle	July 2009
4.	Study of Retaining Wall under Dynamic Loading	Mayuri Chandak	Dr. M. M. Mahajan	July 2009
5.	Behavior of Web Tapered Built up Sections as Beam – column Member in Pre Engineering Buildings	Ramesh Megharajani	Dr. R. K. Ingle	July 2009
6.	Study of steel Angle Section Subjected to Compression	Jyoti Bhilave	Dr. L. M. Gupta	July 2010
7.	An Investigation into Blast Induced Effect on Structures	R. V. R. Prasad	Dr. R. K. Ingle	July 2010
8.	Behavior of Flat slab Under Static and Dynamic Loadings	Sanjay Borghate	Dr. R. K. Ingle	July 2010
9.	Study into Effects of Secondary Stresses in Large Capacity Water Tank	Virendra Dehadrai	Dr. R. K. Ingle	July 2010
10.	Buckling Analysis of pre stressed steel Beam	Ashish Khatri	Dr. L. M. Gupta	Jan 2011
11.	Critical Study of Design of Member subjected to Bending	Samadhan Morkhade	Dr. L. M. Gupta	Jan 2012
12.	Study of Behavior Hybrid Steel Girder using HPS Under Various Loadings	Abhay Kulkarni	Dr. L. M. Gupta	July 2012
13.	Use of Artificial Intelligence in Wind Analysis of Structures	Suyog Dhote	Dr. O. R. Jaiswal Dr. P. N. Godbole	July 2013
14.	Tuned Mass Dampers for Vibration control	Vikas Thakur	Dr. O. R. Jaiswal	July 2013
15.	Supplemental Devices of Seismic Response Control of Buildings	Atulkumar Manchalwar	Dr. S.V. Bakre	July 2013
16.	Seismic Behaviour of RC Beam-Column Joint	Kanak N. Parate	Dr. Ratnesh Kumar	July 2013
17.	A Comprehensive study of the effect of hybrid fibers on	Rajesh Parve	Dr. S. S. Gadve	July 2013

S. No.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
18.	Sloshing Behaviour under Seismic Loading	Suraj Lakhade	Dr. O. R. Jaiswal, Dr. Ratnesh Kumar	July 2013
19.	Protection of corrosion of rebar in concrete	Prasad Bahekar	Dr. S. S. Gadve	July 2013
20.	Experimental & Analytical Evaluation of Slab (Main & SFRC)	Rameshwar Vishwakarma	Dr. R. K. Ingle	July 2013
21.	Study of Dynamic Soil-Structure Interaction	Anand Gharad	Dr. R. S. Sonparote	July 2013
22.	Behaviour of elevated water tank	Vinodkumar R Nagpure	Dr. (Ms.) D Datta	July 2013
23.	Properties of fiber reinforced concrete	Sumit Geete	Dr. S. S. Gadve	July 2013
24.	Behaviour of Steel Members under Cyclic Loading	Sanjay U. Marjive	Dr. Ratnesh Kumar Dr. L. M. Gupta	Jan 2014
25.	Earthquake retrofitting	Smita chande	Dr. S. S. Gadve	Jan 2015
26.	Dynamics of railway track	Harshad Phadke	Dr. O. R. Jaiswal	Jan 2015
27.	FEM Analysis	Sushil Kumar B Magade	Dr. R. K. Ingle	Jan 2015
28.	Soil Structure interaction	Amin Sayeed	Dr. R. S. Sonparote	Jan 2015
29.	Rigid concrete pavement	Ashfaq Ahmed Ansari	Dr. M. M. Mahajan	Jan 2015
30.	Alternative design of RCC utility structures	Pankaj R Mali	Dr. (Ms.) D Datta	Jan 2015

7.2 Architecture & Planning

S.No	Thesis Topic	Name of Scholar	Supervisor(s)	Period of Registration
1.	Design elements in construction of Railway stations	K.N.Joglekar	(I) D.H..Lataye, Asso., Dept. of Civil, VNIT, Nagpur. (E) Dr. Abir Bandyopadhyay Asstt. Professor, Dept. of Architecture, NIT, Raipur	July 2009
2.	Impact of New Urban Transport system on non motorized vehicle with special emphasis on walkability, case study, Nagpur	Aniket Deshmukh	(I)Dr. V.S. Landge, Asso. Prof., Dept. of Civil, VNIT, Nagpur (E) Dr. Abir Bandyopadhyay, Asstt. Professor, Dept. of Architecture, NIT, Raipur	July 2010

S.No	Thesis Topic	Name of Scholar	Supervisor(s)	Period of Registration
3.	Mixed Land use – a tool for Sustainable Urban Development	Sarika P. Bahadure	Dr. Rajashree Kotharkar	July 2010
4.	Cultural Landscape Conservation - an inspiring quality for Contemporary Architecture	Amit J. Wahurwagh	Dr. Alpana Dongre	July 2010
5.	Study of transformations in the traditional urban environment	Roopal Deshpande	Dr. Rajashree Kotharkar	July 2010
6.	Innovative Method for Creativity Thrust in Architecture Education	Poorva Mange	Dr. V.S. Adane	July 2010
7.	Design Parameters for Agriculture Build form in Central India	Milind K. Gujarkar	Dr. V.S. Adane	July 2011
8.	Thermal Preformance of Built Form	Sumita G. Sardesai	Dr. Rajashree Kotharkar	July 2011
9.	Sustainable Tribal Habitat using Forest Resources in Central India	Ajay S. Thombre	Dr. Alpana Dongre	July 2011
10.	Urban Heat Island Study – Nagpur	Meenal M. Surawar	Dr. Rajashree Kotharkar	July 2011
11.	Residential Built Environment and Human Psychology	Kirti D. Bhonsle	Dr. V.S. Adane	July 2011
12.	Contextual Analysis of Build Environment Derivation of Logical Framework for Contextual Design Approach in Indian Scenario	Neeta R. Lambe	Dr. Alpana Dongre	July 2011
13.	Compact City: A Sustainable Urban Form for Indian Cities	Pankaj N. Bahadure	Dr. Rajashree Kotharkar	July 2011
14.	Study of Precincts in Urban Area under Transformation	Amit M. Deshmukh	Dr. V.S. Adane	July 2011
15.	Urban Mobility	Surashmie S. Gawande	Dr. V.S. Adane	January 2013
16.	Lighting and Multi Storied Development	Trupti Dabe	Dr. Alpana R. Dongre	July 2013
17.	Study of Iconic Buildings and Human Settlements	Tanish Dutta	Dr. V.S. Adane	July 2013
18.	Investigation into Urban Sustainability, Study Area- Nagpur	Anusha Vaddiraj Pallapu	Dr. Rajashree Kotharkar	July 2013

7.3 Applied Chemistry

Sr. No.	Topic	Name of Scholar	Supervisor(s)	Period of Registration
1.	Development of Biodegradable Polyester Based Polyester Urethane and Polyurethane Acrylates for Adhesive and Coating Applications	Ganesh Bhusari	Dr. S.S. Umare	July 2010
2.	Fabrication and evaluation of electrochemical sensors for some biologically important molecules	Kiran Kumar Tadi	Dr. (Mrs). Ramani Motghare	July 2010
3.	Reinforcement of rubber by sol-gel derived in situ silica	Bharat P. Kapgate	Dr.Chayan Das	July 2010
4.	Isolation and Characterization of Value added products from Industrial Waste Lignin.	R. A. Nandanwar	J.D.Ekhe & Dr Mrs A.R Chaudhari	October 2010 Registered at RTM Nag Univ Nagpur
5.	Development of Titanium Oxide based catalysts for photocatalytic studies.	Sachin Ghugal	Dr. S.S. Umare	July, 2011
6.	Thermocatalytic modifications of Industrial waste Lignin and its model Compounds	Sunit Kumar Singh	J.D.Ekhe	July 2011
7.	Studies on development of heterogeneous Catalyst for Biodiesel Production and other applications	Raju Dutta	J.D.Ekhe, & S A Mandavgane	July 2011
8.	Studies of Some Elastomeric Composites with Non-black Fillers	Naresh D. Bansod	Dr.Chayan Das	June 2012
9.	Electrochemical studies on detection of Atenolol and Nadolol	Rakesh Chillawar	Dr. (Mrs). Ramani Motghare	July 2012
10.	Evaluation of some Emerging contaminants from Aqueous Matrix	G. Archana	Dr.Anupama Kumar & Dr. Rita Dhodapkar	January 2013
11.	Molecularly imprinted Chitosan based adsorbent for the simultaneous removal of organic and inorganic pollutants	Dipali C. Rahangdale	Dr.Anupama Kumar	July 2013

Sr. No.	Topic	Name of Scholar	Supervisor(s)	Period of Registration
12.	"Physicochemical characterization, protein and DNA binding of some potential bioactive compounds"	Himank Kumar	Dr.Sujit Kumar Ghosh (PI)	January 2013
13.	"Synthesis and Physicochemical characterization of potential bioinorganic compounds"	Manojkumar Maroti Jadhao	Dr.Sujit Kumar Ghosh (PI) &Dr.Chayan Das	January 2013
14.	"Design Synthesis and Physicochemical studies of potential therapeutic bio - organic compounds"	Ritika Sadanand Joshi	Dr.Sujit Kumar Ghosh (PI)	January 2013
15.	Studies on Digoxin and Metoprolol sensing	Shirinaz I. Khan	Dr. (Mrs). Ramani Motghare	July 2013
16.	Synthesis and characterization of Semiconductor metal oxide Nanocomposite for photocatalytic applications	Ashok G. Shende	Dr. S.S. Umare	July, 2014
17.	"Photoactive Biomolecules in Model Membrane"	Piyush Ahirkar	Dr.Sujit Kumar Ghosh (PI)	July 2014
18.	Synthesis and Characterisation of Layered Double Hydroxide for Various Application	Thirupataiah B	Dr.Chayan Das	July 2014
19.	Microwave assisted synthesis of nanomaterial's and their catalytic applications	Mr.Mangesh Kapgate	Dr. A. V. Wankhade	January 2014
20.	Study of thermodynamic, transport and acoustic properties of some pharmaceutical compounds in aqueous solution at different temperatures.	Doyel M. Bhattacharya	Dr.Sangesh P. Zodape	January 2014
21.	Thermophysical properties of Ionic Liquids in Aqueous solutions at different temperatures	Dinesh V. Kawadkar	Dr.Sangesh P. Zodape	July 2014
22.	Biocatalysis for C-C and C-N and C-N bond forming reactions	Nitesh Punyaprediwar	Dr.Umesh Pratap	July2014

7.4 Chemical Engineering

Sr. No	Thesis Topic	Name of Scholar	Supervisor(s)	Period of Registration
1.	Study on separation of carboxylic acid	Mangesh Waghmare	Dr. K. L. Wasewar Dr. S. S. Sonawane	Reg. Date
2.	Study on drying of food material	Waheed Deshmukhi	Dr. K. L. Wasewar Dr. M. N. Varma	Reg. Date
3.	Study on application of supercritical fluids	Saket Ajmire	Dr. M. N. Varma Dr. K. L. Wasewar	July 2010
4.	Development and testing of microfine biopesticide using neem	Sonali Tajane	Sachin A Mandavgane	July 2010
5.	Desulfurization of liquid fuels using ionic liquids	Swapnil Dharaskar	Dr. K. L. Wasewar Dr. M. N. Varma	July 2011
6.	Study of fermentation and separation of carboxylic acids	Kanti Kumar	Dr. K. L. Wasewar Dr. M. N. Varma	July 2011
7.	Studies on development of heterogeneous catalysts for biodiesel production and other applications	Raju Dutta	Sachin A Mandavgane J D Ikhe	July 2011
8.	Polymer Nanocomposites	Ghanshyam Barman	Dr.S.S.Sonawane Dr.K.L. Wasewar	Jan. 2012
9.	Study on Biofuel Production	Abhijit Gadhe	Dr.S.S.Sonawane & Dr.M.N.Varma	January 2012
10.	Study on Supercritical fluid Extraction	Antaram Sarve	Dr.S.S.Sonawane & Dr.M.N.Varma	January 2012
11.	Studies on the removal of selected carboxylic acids from aqueous solution using appropriate agro based materials	Pranav D Parhak	Sachin A Mandavgane	January2012
12.	Studies on the removal of selected pesticides from aqueous solution using appropriate agro based materials	Sunil K Deokar	Sachin A Mandavgane	January2012
13.	Study on reactive separation	Kalpana Rewatkar	Dr. Shende	July 2012
14.	Wastewater Treatment by Nanotechnology	Sapana Madan	Dr. K. L. Wasewar	July 2013
15.	Polycarbonate Compsites	Sarita Charde	Dr.S.S.Sonawane	January 2013

Sr. No	Thesis Topic	Name of Scholar	Supervisor(s)	Period of Registration
16.	Studies on the removal of selected herbicides from aqueous solution using bio mass ash	Nikhilesh Trivedi	Sachin A Mandavgane	July 2013
17.	Biomass Gasification	Ruta Khonde	Dr. A. S. Chaurasia	January 2013
18.	Reactor design and process development for energy recovery from used plastics	Ganesh S. Bajad	Dr. Vijayakumar R. P.	January 2013
19.	Computational Approaches in Advance Drug Delivery	Chandrakant Khudsange	K. L. Wasewar	July 2013
20.	CO ₂ sequestration	Pooja Jaiswal	M.N. Varma	July 2013
21.	Experimental and Computational Studies on Improved Gasifier Stoves	Pravin Sonarkar	Dr. A. S. Chaurasia	July 2014
22.	Perboration Reactor	Vishal S Chandane	A P Rathod / Dr. K L Wasewar	July 2014
23.	Nanofluids and Critical Heat Flux	Nishant Kumar	Dr.S.S.Sonawane	January 2015
24.	Adsorptive separation of chlorinated herbicides from aqueous solution using natural micronutrients	Manisha Kamble	Sachin A Mandavgane	January 2015
25.	Reactive extraction	Anjali Ingle	Dr. Shende	January 2015

7.5 Civil Engineering

S. No.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	Experimental studies on flow characteristics of Convergent Stepped Spillways	Mr. P. J. Wadhai	Dr A D Ghare	July, 2008 (NU)
2.	Development of flood risk management system using hybrid assessment approach	Ms. Madhuri S. Bhagat	Dr A D Ghare, Dr R V Ralegaonkar	July, 2009
3.	Energy dissipation and soil erosion characteristics of Labyrinth Weirs	Mr. A. S. Pote	Dr A D Ghare	July, 2010
4.	Study of Node Flow Analysis for improved design of water distribution networks using Genetic Algorithm	MAH Abdy Sayyed	Dr. Rajesh Gupta	2010 FT

Sr. No.	Topic	Name of Scholar	Supervisor(s)	Period of Registration
5.	Studies on Remediation of Soils Contaminated With Hazardous Waste	Sanjay U. Chaudhari	Dr. V. A. Mhaisalkar	July 2011
6.	Study of methods for Location of Monitoring Stations in Water Distribution Networks with application to intermittent water supply systems	Shweta Rathi	Dr. Rajesh Gupta	2011
7.	Study of leakage reduction in water distribution systems through pressure management	R. D. Jadhav	Dr. Rajesh Gupta	2011
8.	Impact of climatic variability on the response of hydrologic unit using Satellite Remote Sensing and Geospatial data	Rajashri Bothale	Y B Katpatal	July 2011
9.	Groundwater Modeling in urban areas for recharge characterization using geoinformatics approach	Tauseef A. Ansari	Y B Katpatal A D Vasudeo	Jan 2012
10.	Spatial Correlation of Surface and subsurface hydrological parameters for basin development	Sarang Paranjape	M S Kadu Y B Katpatal	Jan 2012
11.	Artificial Recharge studies through Reverse Gradient reservoir	Vijay Bhusari	Y B Katpatal P Kundal	July 2013
12.	Disaster management studies in Gondia District using Rs and GIS	D K Pandey	Y B Katpatal P Kundal	July 2014
13.	Watershed management using quantitative Parameters : A spatial approach	Chandan Singh	Y B Katpatal	July 2014
14.	Spatial Analyses for surface water management	Rishma C	Y B Katpatal	Jan 2015
15.	Water hammer studies related to sizing of BPT	Mr. Nitin Sontake	Dr A D Ghare	Jan , 2012
16.	Assessment of suitability of overburden material transported through water medium for mine stowing	Mr. Leedhar Dhote	Dr A D Ghare, Dr R R Yerpude	Jan, 2012
17.	Soil reinforcement for rural roads	S.A. Shingare	Dr A.S.Nene	Jan 2012

Sr. No.	Topic	Name of Scholar	Supervisor(s)	Period of Registration
18.	LOS for two lane roads under mixed traffic condition	Parimal Godse	V.S.Landge	Jan 2011
19.	Intersection accident analysis	Mahesh Gupta	V.S.Landge	Jan 2010
20.	Los for pedestrians	Aniket Deshmukh	V.S.Landge	Jan 2012
21.	Cost of traffic accident on Indian roads	Nikhilesh Chaurasiya	V.S.Landge	Jan 2012
22.	Design and Development of Efficient Upflow sand Filter for Water Treatment	V.D.Salkar	Dr. A. R. Tembhurkar	Jan. 2009
23.	Development of System for Transformation of Intermittent Water Supply to Continuous Water Supply	K.S.Bhole	Dr. A. R. Tembhurkar & Dr S. V. Dahashastra	Jan. 2009
24.	Critical appraisal of Noise Pollution and its Abatement in Sensitive Area of Nagpur	Idris Ahmed	Dr. A. R. Tembhurkar	Jan. 2009
25.	Optimal Routing for Biomedical Waste Collection	Radhika Deshpande	Dr. A. R. Tembhurkar	Jan. 2010
26.	Feasibility Studies on Solar Disinfection (SODIS) of Grey wastewater	Isha Khedikar	Dr. A. R. Tembhurkar	Jan. 2011
27.	Kinetic Studies for Adsorption of Arsenic Removal from water by Natural Adsorbent	Ashish Nashine	Dr. A. R. Tembhurkar	July 2010
28.	Development of microbial fuel cell for production of bio-electricity using food waste	Prachi Moharir	Dr. A. R. Tembhurkar	July, 2014
29.	Tentative are – Reuse and recycle of waste materials in concrete	Shekhar Saxena	Dr. A. R. Tembhurkar	Dec., 2014
30.	Design development of flood risk management system using hybrid assessment approach	Madhuri S. Bhagat	Dr. A D Ghare, Dr. R V Ralegaonkar	July, 2009

Sr. No.	Topic	Name of Scholar	Supervisor(s)	Period of Registration
31.	Design development of flood risk management system using hybrid assessment approach	Madhuri S. Bhagat	Dr. A D Ghare, Dr. R V Ralegaonkar	July, 2009
32.	Design of Carbon Minus Educational Buildings using Hybrid Energy Approach	Vaidehi A. Dakwale	Dr. R V Ralegaonkar	July, 2010
33.	Integration of Sustainable Technologies for Enhancing Energy Efficiency of Residential Buildings	Rujuta S Bapat	Dr. R V Ralegaonkar Dr. V A Mhaisalkar	July, 2011
34.	Development of strategy for improving the indoor environment of low income group houses	Vishakha V Sakhare	Dr. R V Ralegaonkar	January, 2013
35.	Development of sustainable masonry panels for rapid construction of buildings	Shashi	Dr. R V Ralegaonkar	January, 2014
36.	Numerical analysis of surface and sub surface excavation	Ms. Tejas Bhatkar	Dr. A Mandal	July 2013
37.	Seismic Behaviour of Underground Structure	Mr. Dhananjay K Singh	Dr. A Mandal	Jan. 2014
38.	Numerical and Experimental Study of Geomorphology	Mr. Ritesh Ingle	Dr. A. Patel/DR. A Mandal	Jan 2015
39.	Electrochemical Treatment of Sugar Mill Wastewater	Mr. Ravindrakumar P. Varhade	Dr. Dilip H. Lataye	2009
40.	Design of Railway Station Elements	Mr. Kishore N. Joglekar	Dr. Dilip H. Lataye	2009
41.	Removal of Fluoride from drinking water	Sanghratna S. Waghmare	Dr. Dilip H. Lataye	2010
42.	Adsorptive Treatment of Dye Based Wastewater using Low Cost Adsorbent	Mr. Manoj L. Meshram	Dr. Dilip H. Lataye	2010
43.	Studies on Removal on Heavy Metals from Water using Low Cost Adsorbents	Mr. Ramakant Ingole	Dr. Dilip H. Lataye	2011
44.	Adsorptive treatment of dye bearing wastewater by using low cost adsorbents	Ms. Trupti Balram Gupta	Dr. Dilip H. Lataye	2011
45.	Adsorption of 4-nitrophenol onto Activated Carbon Prepared from Agricultural Wastes	Mr. Prashant T. Dhorabe	Dr. Dilip H. Lataye	2012

Sr. No.	Topic	Name of Scholar	Supervisor(s)	Period of Registration
46.	Some studies on the effect of plastic and non plastic fines and the grain morphology on liquefaction potential of soils	Ashish AshwinKumar Mehta	Dr. A. Patel	Jan 2013
47.	Bender Element Testin gs in soils	Ritesh Ingale	Dr. A. Patel (Principal Supervisor) Dr. A. Mandal (Co - Supervisor)	Jan 2015
48.	Determination of toxic and endocrine disruptive properties of water contaminants.	Ms.Preeti Shrivastava	Dr.Tapan Chakrabarti	January 2013
49.	Utilization o f natural Geotextile in low volume roads	Sudhanwe Shingarey	Landge V S / Nene S R	July 2010
50.	Comparative study of short term and long term pullout bond strength between OPC and PPC mixes using plain and TMT bars	Swapnil Purushottam Wanjari	Pophale A. D.	July 2009
51.	Shifted to Applied Mechanics Deptt.	Sumit Sureshrao Geete	A.D. Pofale, A.R. Tembhurkar	July 2013
52.	Ground Water Pollution	Sahajpreet Kaur Garewal	A Vasudeo	July 2014
53.	Socio-economic impacts of traffic accidents	Nikhlesh Kumar	V S Landge	January 2015

7.6 Computer Science & Engineering

Sr. No.	Thesis Topics	Name of Scholar	Name Of Supervisor	Period of Registration
1.	Parallelization Of Cryptographic algorithm using CUDA	Jitendra V. Tembhumne (FT)	Dr. S. R. Sathe	January 2012
2.	Parallelization of Algorithms	Tausif Diwan	Dr. S. R. Sathe	January 2012
3.	Area – Parallel Computing	Mrs. Madhuri R. Pimple	Dr. S. R. Sathe	July 2013
4.	Area – Parallel Processing	Shailendra W. Shende	Dr. S. R. Sathe	July 2013

Sr. No.	Thesis Topics	Name of Scholar	Name Of Supervisor	Period of Registration
5.	Parallel Computing & Networks	Ms. Swati Manekar (FT)	Dr. S. R. Sathe	January 2015
6.	Studies in Performance Improvement of Real Coded Genetic Algorithms and Their applications	A. S. Mokhade	Dr. O. G. Kakde	January 2008
7.	Modelling & Evaluation of AD-Hoc Networks	Ashish Tiwari	Dr. O. G. Kakde	January 2009
8.	Issues in Sensor Networks	Mrs. Padma Adane	Dr. O. G. Kakde	January 2012
9.	Graph Mining	Abhiram Gandhe	Dr. P. S. Deshpande	January 2009
10.	Software Architecture & Data Analysis	Abhijeet Thakre	Dr. P.S. Deshpande	January 2013
11.	Building Data Mining Model for Indian Economy	Ms. Swati Hira (FT)	Dr. P. S. Deshpande	January 2012
12.	Multivariate Analysis and its application to data mining	Narsimha Reddy (FT)	Dr. P.S. Deshpande	January 2012
13.	Graph Mining Algorithms – Development & Applications	Atul Omkarrao Thakare (FT)	Dr. P.S. Deshpande	January 2013
14.	Genetic Algorithm for Network Flow Analysis	Ms. Anita Bai (FT)	Dr. P.S. Deshpande	January 2014
15.	Application of Distributed Systems in Automotive Software	R. B. Keskar	Dr. U. A. Deshpande	July 2009
16.	A Framework to Model the Human Cell using Microarray and Genomic Data	Manish Kurhekar	Dr. U. A. Deshpande	July 2009
17.	Algorithms for target tracking in wireless sensor networks	Ms. Nishat Ansari	Dr. U. A. Deshpande	January 2012
18.	Task assignment in Distributed Real-Time Systems	Milind Pennurkar	Dr. U. A. Deshpande	January 2012
19.	Personalized & Geographic Information Retrieval	Ms. Mansi Radke	Dr. U.A. Deshpande	July 2012

Sr. No.	Thesis Topics	Name of Scholar	Name Of Supervisor	Period of Registration
20.	Bioinformatics	Ms. Kavita Kathe	Dr. U. A. Deshpande	January 2014
21.	Natural Language Processing	Ms. Mitali Halder	Dr. U. A. Deshpande	January 2014
22.	Network Security	Mohit Gupta (FT)	Dr. N.S. Chaudhari	January 2015
23.	Mobile Communication & Network Security	Balu Parne(FT)	Dr. N.S. Chaudhari	January 2015
24.	Mobile Communication & Network Security	Ms. Sneha Kanchan(FT)	Dr. N.S. Chaudhari	January 2015
25.	Data Science & Data Mining	Ms. Parnika Paranjape(FT)	Dr. M.M. Dhabu	January 2015
26.	Data Science & Data Mining	Nitesh Funde(FT)	Dr. M.M. Dhabu	January 2015
27.	Data Science & Data Mining	Milind Anand(FT)	Dr. M.M. Dhabu	January 2015
28.	Mobile Communication & Network Security	Rohit Pachlor(FT)	Dr. Dipti Shrimankar	January 2015
29.	Parallel Computing & Networks	Umesh Balande(FT)	Dr. Dipti Shrimankar	January 2015
30.	Parallel Computing & Networks	Omprakash Tembhumne(FT)	Dr. Dipti Shrimankar	January 2015
31.	Mobile Communication & Network Security	Ashwini Rahangdale(FT)	Dr. S.A. Raut	January 2015
32.	Bioinformatics & Systems Software	Richa Makhijani(FT)	Dr. S.A. Raut	January 2015
33.	Multi Agent Systems	Priyanka Joshi	U.A. Deshpande	January 2013

7.7 Electrical Engineering

S. No	Thesis Topic	Name of Scholar	Supervisor(s)	Period of Registration
1.	Detection of converter faults using wavelet Transform	Ms. Reshmi Keshwani	H. M. Suryawanshi	July-2009
2.	Multiphase induction motor Drives	Mrs. Sonali Rangari	H. M. Suryawanshi	July-2011
3.	Integration of different Energy sources through soft switching converters	Shelas Satyan	H. M. Suryawanshi	July-2012
4.	Developments of converter for renewable Energy sources	Mrs Snehal Pachpore	H. M. Suryawanshi	Jan.-2013
5.	Multilevel converter for grid connection	Mr. Amardeep Sitole	H. M. Suryawanshi	July-2013
6.	Integration of high efficient inverter to Grid.	Mr. Girish Talapur (JRF)	H.M. Suryawanshi	Jan.2015
7.	“Energy requirement for distributed energy recourses with battery energy storage for reducing losses/thermal overloading in three phase distribution lines”	Mahesh Pandya	M. V. Aware	2011
8.	Analysis and performance of dual-input dual output Z-source inverter for multiple induction motor drives	GauravGoyal	M. V. Aware	2011
9.	“Performance improvement by switching state optimization in three phase multilevel voltage source inverter using GA	Wankhede	M. V. Aware	2011
10.	“DTC controlled of Multi-phase Induction Motor Drives	YogeshTatte	M.V. Aware	2013
11.	DTC control of six -phase Induction Machine	Jay Pandit	M.V.Aware	July 2014
12.	Fractional Order PID for Electrical Drives	Swapnil Kubhalkar	M.V.Aware	July 2014
13.	Insulation performance of IM under non -sinusoidal voltages.	T. Arora (Nagpur Univ.)	M.V.Aware	July 2012
14.	Diagnosis of Incipient Fault Development in Transformer by Condition Monitoring	Prasad Arvind Venikar	Dr. M. S. Ballal Dr. B. S. Umre	09/07/2012

Sr. No.	Thesis Topics	Name of Scholar	Name Of Supervisor	Period of Registration
15.	Condition Monitoring and Life Extension of Transformer	Sudhir S. Chopade	Dr. M. S. Ballal	07/07/2013
16.	Condition Monitoring of Induction motor	Tushar G. Vilhekar	Dr. M. S. Ballal	01/01/2014
17.	Wavelet Transforms and its Application to process power quality disturbances	Jyoti S. Bhonsle	Prof.A.S.Junghare	: July 2009
18.	Study of Different Techniques of Optimization for Control of Reactive Power Flow	AltafBadar	Prof.A.S.Junghare Prof.B.S.Umre	June 2010
19.	Proposing controller for mitigating effects of power quality issues on induction motor	Mrs. Vijaya Huchche	Prof.A.S.Junghare Prof.N.R.Patne	Jan 2011
20.	Application of fractional order PID controller	Swapnil W. Khubalkar	Prof.A.S.Junghare Prof.M.V.Aware	Jan 2014
21.	Study of discrete controller	Prakash Dwivedi	Prof.A.S.Junghare	Jan 2014
22.	Study Of Oscillations And Vibrations Of Turbine - Generator Set	D.Koteswara Raju,	Prof.A.S.Junghare Prof.B.S.Umre	January 2014
23.	"Some studies on Solar Photo-voltaic Based Home Lighting System".	Mr. A S Werulkar	P. S. Kulkarni	July 2009
24.	"Some studies on Small Grid-connected Photo-voltaic Systems"	Mrs. P. A. Salodkar	P. S. Kulkarni	July 2011
25.	"Some studies on Solar Photovoltaic based Water Pumping System"	Manoj B Mourya	P. S. Kulkarni	January 2013
26.	Development of High Frequency, High Efficiency Buck Converter for Portable Equipment.	Diksha B. Khare	S. Pattnaik B. S. Umre	January 2013
27.	Some Studies in Application of Synchrophasor Techniques to Power System Protection	S.R. Tambay	S.R. Bhide	July 2011
28.	Student and analysis of 400kV FSC for 1200kV Wardha -	Piyush Khadake	N. R. Patne	June 2014

Sr. No.	Thesis Topics	Name of Scholar	Name Of Supervisor	Period of Registration
29.	Protection Scheme for shunt FACTS compensated transmission line	Arvind Sing Rajput	N.R.Patne V.S.Kale	January 2014
30.	Some studies on application of AI Techniques in power system protection	S.S.Gokhale	V.S.Kale	January 2012
31.	Some studies on effect of compensation devices on distance protection of transmission lines	M.P. Thakre	V.S.Kale	January 2011
32.	Automatic Detection, Analysis and Classification of Power Quality disturbance using Advanced signal processing Techniques.	Mr. Subhash V. Murkute	M. A. Chaudhari and V. B. Borghate	January 2009
33.	Artificial Neural Network Controller for Performance Optimization of Single Phase Inverter.	Mrs. S. S. Ambekar	M. A. Chaudhari	2010
34.	Studies on Studies on High Power factor soft switched converter for solar cell	Mrs. J. N. Ingole	M. A. Chaudhari	2010
35.	Some studies on double input Power Electronic DC - DC Converters (DIPECs)	Mr. Kushal Kanhav	M. A. Chaudhari	January 2011
36.	Design and control algorithm of a multilevel converter system for integration of distributed generation to AC grid	Mr. Amarendra Matsya	M. A. Chaudhari	January 2013
37.	Real time power quality monitoring	ChetanKhadse	M. A. Chaudhari V. B. Borghate	January 2014
38.	Study of Optimization Techniques for Stability Constrained Optimal Power Flow.	Bhushan Y. Bagde	B. S. Umre	July 2011
39.	Study of Variable Capacitor Start of Induction Motor	S. M. Mutha	B S Umre	January 2015
40.	Some studies using DSTAT COM for power quality improvement on	Snehal P. Gawande	M.R.Ramteke	July 2011

Sr. No.	Thesis Topics	Name of Scholar	Name Of Supervisor	Period of Registration
41.	Some studies on effect of distribution system (tentative)	Piyush Patil	M.R.Ramteke	Dec 2012
42.	Improved capacitor voltage balancing methods for modular multilevel converter(MMC) in VSC-HVDC applications.	Prafullachandra Madhukar Meshram	Borghate V B	July 2009
43.	Simplified space vector modulation techniques for cascaded H-bridge multilevel inverters.	Ahmed Irfan Mohd. Fazlul	Borghate V B	July 2011
44.	Some techniques of VAR loading to improve power quality.	Rajashree V Satputale	Borghate V B	July 2010
45.	Higher performance electronic ballast.	Chandan Manik Chawhan	V B Borghate	January 2013
46.	Some studies on chaos in power system.	Sunil Prakashchand Nagrani	S S Bhat	January 2014
47.	SOH switching DC/DC converter	Naresh Kumar Reddi	M R Ramteke / Dr. H M Suryawanshi	July 2014
48.	Multilevel inverter.	K Raghavendra Reddy	V B Borghate	July 2014
49.	Aspects of 400KV FSC	Piyush M Khadke	N R Patne	July 2014
50.	Smart meters.	Supriya O Jaiswal	M S Ballal	July 2014
51.	Smart grid PMU	Amit R Kulkarni	Makrand S Ballal	January 2015
52.	Error compensation in metering system.	Manish G Wath	Makrand S Ballal	January 2015

7.8 Electronics and Communication Engineering

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	Low Power VLSI System Design	Anita Deshmukh	Deshmukh R B	July 2009
2.	Micro Electro Mechanical Systems for RF (RF MEMS)	Amol Morankar	Patrikar R M	July 2009
3.	Modular Reconfigurable Framework for Control System Design using ARM & FPGA	Kanchan Tiwari	Kothari Ashwin	July 2009
4.	Propagation Model for Wireless Communication Channel.	Jambuvant A. Shrawankar	Kulat K D	July 2009
5.	Low Power VLSI System Design	Pankaj Joshi	Deshmukh R B	July 2009
6.	Low Power VLSI System Design	Praveen Zode	Deshmukh R B	July 2009
7.	Synchronization Issues in OFDM Systems	Ms. Anagha Rathkanthiwar	Prof. Abhay S. Gandhi	July 2009
8.	Synchronization Issues in WCDMA systems	Ms. Mridula Korde	Prof. Abhay S. Gandhi	July 2009
9.	Synchronization Issues in Chaotic Communication Systems	Ms. Gauri Halde	Prof. Abhay S. Gandhi	July 2011
10.	Synchronization Issues in 5G Networks	Mr. Sandeep Singh	Prof. Abhay S. Gandhi	July 2013
11.	Multiport Antennas	Mr. Nella Anveshkumar	Prof. Abhay S. Gandhi	July 2014
12.	Security Issues in Body Area Networks	Mr. T.V.Sainath Gupta	Prof. Abhay S. Gandhi	July 2014
13.	RF Circuits for 5G Networks	Mr. Santoshkumar Sabath	Prof. Abhay S. Gandhi	Jan 2015
14.	Synchronization Issues in Chaotic Communication Systems	Meghana M. Agnihotri (Gauri Halde)	Prof. Abhay S. Gandhi	July 2011
15.	Cognitive Radio System	Rupali Patil	Dr. K. D. Kulat	
16.	Propagation Models for Wireless Communication Channel	J.A.Shrawankar	Dr. K. D. Kulat	01/07/2009
17.	Energy Efficient Clustering in Wireless Sensor Network.	Khyati Shrivastava	Dr. K. D. Kulat	24/01/2014

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
18.	The Algorithmic development for Efficient detection of Abnormalities in Video Surveillance for IOT based Smart City Applications.	Aditya Gupta	Dr. K. D. Kulat	July 2014
19.	Design of IOT based dynamic & adaptive control sys tem for smart city application	Neeraj Bokde	Dr. K. D. Kulat	July 2014
20.	Design, analysis & implementation of metamaterial inspired micro strip antenna	Dushyant Marathe	Dr. K. D. Kulat	January 2014
21.	Embedded Imaging Processing system for industrial application	Vishal R. Satpute	Dr. A.G. Keskar Dr. K. D. Kulat	July 2010
22.	Computational Methods in Image Processing.	Mohd. Farukh Hashmi	Dr. A. G. Keskar	January 2012
23.	Image Analysis & composter for human interaction using IOT	Varun Kumar Tiwari	Dr. A. G. Keskar	July 2014
24.	BAN and Cognitive Radio	Ms. Pradnya H. Ghare	Dr. A. G. Kothari	July 2012
25.	Commbedded Systems for the Detection of Concealed Emphasizes	Paritosh D. Peshwe	Dr. A. G. Kothari	July 2014
26.	Performance Enhancement of Smart Antenna Beamformers by Mutual Coupling Mitigation	Ms. Prerna Saxena	Dr. A. G. Kothari	July 2013
27.	Communication and Internet of things.	Mr. Akshay M. Kekre	Dr. A. G. Kothari	January 2015
28.	Industry Sponsored	Mr. Pratap Gawande	Dr. A. G. Kothari	January 2015
29.	Antennas for Body Centric Communication	Doddipalli Srinivas	Dr. A. G. Kothari	January 2014
30.	Near Set approach for medical image segmentation.	Mrs. Vibha R. Bora	Dr. A. G. Keskar / Dr. A. G. Kothari	July 2010
31.	Face recognition techniques.	Hemprasad Y. Patil	Dr. A. G. Kothari & Dr. K. M. Bhurchandi	January 2012

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
32.	Object tracking for Video Surveillance	Mayur R. Parate	Dr. K. M. Bhurchandi	January 2014
33.	Image quality Assessment	Vipin M. Kamble	Dr. K. M. Bhurchandi	July 2013
34.	Region of Interest bared video compression using pattern recognition	Ms. Samruddhi Y. Kahu	Dr. K. M. Bhurchandi	July 2013
35.	Face recognition in still color images	Vipul S. Lande	Dr. K. M. Bhurchandi	July 2011
36.	Denoising of color images and Videos using composite probabilistic and transformed based techniques.	Bhumika A. Neole	Dr. K. M. Bhurchandi	July 2011
37.	Dimensionality Reduction for Face Recognition	Ms. Manisha P. Parlewar	Dr. K. M. Bhurchandi	
38.	Design of HEVC Compression	Eskinder A. A.	Dhok S B	July 2012
39.	Fast Implementation of Fractal Video Encoder	Ravindra E. Chaudhari	Dhok S B	July 2012
40.	Topic to be finalised	Manisha M Sawant	K M Bhurchandi	January 2015
40.	Topic to be finalised	Paresh R Kamble	A G Keskar /Dr K M Bhurchandi	January 2015
42.	Topic to be finalised	Unmesh D Oke	K M Bhurchandi /Dr A G Keskar	January 2015

7.9 Centre for VLSI and Nanotechnology

S.No.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	Strength of nanomaterials	Vivek Kale	Dr. Mrs. S.R. Patrikar	July 2009
2.	Compressive Sensing Recovery and It's VLSI Implementation	Srirang Korde	Deshmukh R B	July 2011

7.10 Humanities

S.No.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	Understanding Military Leadership: A Psycho Social Perspectives	Mr.Ajay Kelkar	Dr.Y.M. Deshpande	1 st June 2010
2.	Psycho-Dynamics of Entrepreneurship	Mrs Bhagyashree Bhakane	Dr.Y.M. Deshpande	15 th November 2011
3.	The Feminist Consciousness in the Selected Novels of Anita Desai	Mrs Hemangi Patil	Dr. M.Goshal	1 ST January 2013
4.	Indian Writing in English Fiction	Mr.Umesh Waman Guramear	Dr. M.Goshal	01 nd July 2014
5.	Human Resource . Managment	Mr. Pravin Kakada	Dr.Y.M. Deshpande	15 th December 2014

7.11 Mathematics

S.No.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1	Relativistic cosmological models of dissipative matter	Mrs. Rupali Kelkar	Dr. S. Kotambkar & Dr. G. P. Singh (co-guide)	2010, registered at Nagpur University
2	Modified theories of gravitation and recent observational constraints	Mr. Binay KumarBishi	Dr. G. P. Singh	July 2013
3	Numerical methods for singularly perturbed delay differential equations with large delays	Mr. S. Dinesh Kumar	Dr. P. Pramod Chakravarthy	July 2013
4	Some studies on micropolar and couple stress fluid flows	Mr. N.Ch.Ramgopal	Dr.M.Devakar	July 2010
5	Some non-Newtonian fluid flow problems	Mr. Katta Ramesh	Dr.M.Devakar	July 2012
6	Numerical Methods for Hyerbolic Conservation Laws	Ms. Yogitha Rathod	Dr. G. Naga Raju	July 2013
7	Numerical methods for the class of singular boundary value problems.	Mr. Ujwal Warbhe	Dr. Pradip Roul	July 2013

7.12 Mechanical Engineering

S. N.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	Study on fuel cells	Seema S. Munjewar	S. B. Thombre	Jul 2012
2.	Durability assessment of crankshaft using finite element and experimental technique	A. R. Umale	Dr. P M Padole	July 2011
3.	Experimental and finite element analysis for characterization of Co -cured composites	Atul Sane	Dr. P M Padole and Dr. R. V. Uddanwadiker	July 2012
4.	Notch Effects in Low Cycle Fatigue Life Prediction of 316L(N) Stainless Steel	Richa Agrawal	Dr. P M Padole and Dr. R. V. Uddanwadiker	January 2013
5.	Finite element analysis of damaged composite T Joint	Roshan U. Patil	Dr. P M Padole and Dr. A.S. Dhoble	January 2013
6.	CFD and Finite Element Analysis of Blood Flow through Arteries	Pooja Jhunjhunwala	Dr. P M Padole	January 2014
7.	Machine Condition Monitoring Using Artificial Intelligence Approach	Mr. Vinay Thute	Dr. A. B. Andhare	July 2009
8.	Quality Assessment of Gearbox	Mr. Prasad Kane	Dr. A. B. An dhare	July 2011
9.	Tool Wear Modeling	Mr. Ganesh Lamdhade	Dr. A. B. Andhare	July 2012
10.	Modification in Sugar Cane Cutter Design to Improve Productivity	Mr. Yogesh Deshpande	Dr. A. B. Andhare Dr. P. M. Padole	January 2013
11.	Performance of Journal Bearing Using Nano Bio Lubricants	Mr. Dhananjay Katpatal	Dr. A. B. Andhare Dr. P. M. Padole	January 2013
12.	Machining of Titanium Alloys	Mr. Neelesh Sahu	Dr. A. B. Andhare	July 2013
13.	Performance Evaluation of Nano Coolants in Machining	Mr. Roja Raju	Dr. A. B. Andhare	July 2013
14.	Design and Development of Bed for Patient Care	Mr. Anil Onkar	Dr. A. B. Andhare	July 2013
15.	Position and Path Control of AGV by Fixed Sensor and Controller	Mr. R. G. Pungle	Dr. H. T. Thorat, Dr. A. B. Andhare	July 2008
16.	Heat transfer studies with sound assisted fluidized bed of multi component systems	Vaidya V.B. (Nagpur university) Submitted	Dr. S.B Thombre	January 2007

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
17.	Numerical study of buoyancy induced flow and heat transfer inside a pipe (Nagpur university)	Thombre R.E.	Dr. S.B Thombre	January 2008
18.	Optimization using Artificial Intelligence	Rajesh Mankar	Dr. Shital S. Chidderwar & Dr. A.M .Kuthe	January 2013
19.	Robot assisted spray painting	Abhishek jha	Dr. Shital S. Chidderwar	January 2013
20.	Nonlinear controller	Veer Alekshendra	Dr. Shital S. Chidderwar	January 2014
21.	Dynamic analysis of structural element under the moving mass for damage assessment	Tanuja Vaidya	Dr .A. Chatterjee	July 2011
22.	Crack detection in L.P. Turbine blade using Vibration Analysis	M.S. Kotambkar	Dr .A. Chatterjee	January 2008
23.	Experimental and numerical study of flow and heat transfer in solar air dryer.	Vipin Gawande	Dr. A.S. Dhoble	July 2012
24.	Experimental investigation of solar photovoltaic and thermal systems using optical filters	Sandeep Joshi	Dr. A.S. Dhoble	December 2012
25.	Study of heat transfer in heat exchanger using Nano fluid	Vivek Ugare	Dr. A.S. Dhoble	December 2012
26.	Investigation of fatigue failure of FRP composite material blade used in rotary machines.	Pravin Kulkarni	Dr. A.S. Dhoble	July 2013
27.	Thermal engineering	C mangrulakar	Dr. A.S. Dhoble	January 2013
28.	Investigation of transfer and fluid flow using artificial roughness in solar air heater.	Mr. Sanjay Sharma	Dr.V.R. Kalamkar	July 2013
29.	Experimental & CFD analysis of low capacity, low cost solar pv powered submersible water pump	Mr. Vimal Sontake	Dr.V.R. Kalamkar	January 2013
30.	Numerical & experimental study of combustion & flow characteristics in tangential coal fired utility boiler	Mr. Sachine Gabhane	Dr. V. R. Kalamkar	January 2013

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
31.	Design and development of adaptive gripper for prosthetic hand	Mr. Tushar Kulkarni	Dr. R.V. Uddanwadikar	July 2013
32.	Biomechanical analysis of orthodontic tooth movement	Mr. Abhishek Thote	Dr. R.V. Uddanwadikar	July 2014
33.	Estimation of human muscle characteristics Design, development of economic prosthetics hand to restore aesthetics and functionality	Chetan Kuthe	Rashmi Uddanwadiker	July 2013
34.	Wear analysis of implant in total hip Arthroplasty	M.R. Dharma	Dr. A.M. Kuthe	July 2011
35.	Application of wire EDM in Rapid Manufacturing	Sanjay Rathi	Dr. A.M. Kuthe	January 2010
36.	Computer Aided Metal Casting	Dhiraj Bhivgade	Dr. A.M. Kuthe	January 2013
37.	Critical analysis of customized metallic implant manufacturing	S.M. Randiwe	Dr. A.M. Kuthe	January 2013
38.	Optimal multi robot task allocation for assembly operation	Manoj Mankar	Dr. A.M. Kuthe	January 2013
39.	Customized surgical guide using layered manufacturing	Sandeep Dahake	Dr. A.M. Kuthe	July 2013
40.	Innovation product design using rapid prototyping	Mahesh Mawale	Dr. A.M. Kuthe	July 2013
41.	Computer aided manufacturing, planning, based on STEP Ap224 through automation manufacturing feature recognition	B.R. Borkar	Dr. Y.M. Puri	July 2009
42.	Studies on effect of welding on corrosion of mild steel, galvanized steel, and 409 Stainless steel	Sachin P. Ambade	Dr. A.P. Patil Dr. Y.M. Puri	January 2010
43.	Application of EDM in Rapid Manufacturing. Design, development and performance analysis of EDM turning set-up	Vikas Gohil	Dr. Y.M. Puri Dr. A.M. Kuthe	January 2012
44.	Curved hole drilling using electric discharge machine	Diwesh Meshram	Dr. Y.M. Puri	January 2013
45.	Frictional dynamics of hard and soft surfaces	Avinash T. Thakre (Part time)	Dr. A. K. Singh	July 2013

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
46.	Frictional dynamics of surfactant mixed gelatin gels	Vinit Gupta	Dr. A. K. Singh	July 2013
47.	Mechanism and Robotics	Ankur Jaiswal	Hemant Jawale	January 2014
48.	Mechanism and Robotics	Sachin Bhojne	Hemant Jawale	July 2013
49.	Heat transfer aspects in fuel cells	N. Shrivastava	Dr. S.B. Thombre	2008
50.	Studies on fuel cells	Ranjan Mallick	Dr. S.B. Thombre	July 2008
51.	Performance analysis of solar still	H.S. Deshmukh	Dr. S.B. Thombre	July 2008
52.	Performance analysis of solar air heaters	Y.C. Dhote	Dr. S.B. Thombre	January 2008
53.	Experimental studies and analysis of DSSCs	R. Shelke	Dr. S.B. Thombre	January 2009
54.	Investigations on Gasoline Direct Injection Engine	Shrikrushna P. Chincholkar	Dr, J. G. Suryawanshi	July 2011
55.	An investigation on SI engine using H ₂ and CNG blends	Pravin T. Nitnawar(Part time)	Dr, J. G. Suryawanshi	January 2009
56.	Investigation on HCCI Engine	Rajesh A. Kathar (Part Time)	Dr, J. G. Suryawanshi	January 2009
57.	Experimental Investigation on Premixed Charge Compression Ignition Engine	Girish E. Bhiogade	Dr, J. G. Suryawanshi	July 2012
58.	Tribology of biolubricants	Shraddha Gondane	Dr. A. K. Singh	July 2013
59.	Study on linear dynamics with the rate and state friction	Nitish Sinha	Dr. A. K. Singh	July 2014
60.	Experimental and CFD analysis of forced draught direct combustion biomass stove.	Milind Kshirsagar	V. R. Kalamkar	January 2013
61.	Development and Demonstration of force sensitive platform for robotic assembly	Milind S. Deshpande	Thorat H T	July 2006
62.	Optimization of PAD area and resistance to flow of fluid in evaporative coolers	Sunil S. Akant	Thorat H T	January 2008
63.	Design and development of multi-cylinder HSDI diesel engine with performance and low emissions	Pundlik Rambhaji Ghodke	Suryawanshi J G	July 2010

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
64.	Combustion studies of biofuel	Satish Khushalrao Bhele	Deshpande N V / Thombare S B	July 2011
65.	Experimental investigation of algae based biodiesel as an alter native fuel for diesel engine	Sushant Satish Satputaley	Zodape D B	July 2011
66.	Kinematics and Performance analysis of three degree of freedom closed chain manipulator	Rajesh Gangadharrao Choudhari	Thorat H T	July 2011
67.	Establishing Empirical relationship amongst some parameters of manually energized keyed brick making machine	Hemant Vithalrao Aware	Andhare A B	July 2011
68.	Rapid Prototyping assisted scaffold fabrication for bone tissue engineering	Pranav Sapkal	A M Kuthe	July 2014
69.	Experimental and mathematical investigations on solar powered helical rotor pumping system	Arunendra Kumar Tiwari	V R Kalamkar	July 2014
70.	Analysis of multi-pot biomass cookstove	Rohan Rahul Pande	V R Kalamkar	July 2014
71.	Critical analysis of rapid prototyping assisted manufacturing	Shinde Mahesh Sheshrao	K M Ashtankar	July 2014
72.	Experimental and numerical analysis of HHO fuelled internal combustion engine	Sachin Sharadrao Deshmukh	V R Kalamkar	January 2013
73.	Design and Development of Rapid Prototyping assisted fixture design	Ashwini Milind Ramteke	K M Ashtankar	January 2015
74.	Biomechanical Analysis Of Orthodontic Tooth Movement Using Labial & Lingual Braces And Their Comparative Assessment	Thote Abhishek Madhukar	Mrs Rashmi Uddanwadiker	July 2014
75.	Critical analysis of rapid prototyping assisted manufacturing	Shinde Mahesh Sheshrao	K M Ashtankar	July 2014
76.	Biomechanical Analysis Of Orthodontic Tooth Movement Using Labial & Lingual Braces And Their Comparative Assessment	Thote Abhishek Madhukar	Mrs Rashmi Uddanwadiker	July 2014

7.13 Metallurgical & Materials Engineering.

S.No.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	Evaluation of the effect of heat treatment on mechanical properties of p92 steel by ball indentation technique	Dipika Barbadikar	Dr.D.R.Peshwe Dr.A.R.Ballal & Dr. M.D. Mathew	December 2011
2.	Effect of normalizing and Tempering heat treatments on the creep properties of P92 steel	Laxmi Prasad Maddi	Dr.D.R.Peshwe & Dr.A.R.Ballal	August 2011
3.	Development of Solid State Lighting Materials	Abhilasha Jain	Dr.D.R.Peshwe & Dr.S.G.Dhoble	January 2013
4.	Re-aging studies of 7010 Al alloy	Yogesh Mahajan	Dr. D.R.Peshwe	January 2013
5.	Low Cycle Fatigue Behaviour of Power Plant Materials.	Ashish Vaidya	Dr. D.R.Peshwe & Dr.A.R.Ballal	January 2014
6.	Studies on slurry abrasion of some alloy steels and coatings used in industry	Avishkar Rathod	Dr S G Sapate	July 2011
7.	Studies on structural characterisation and wear properties of some alloy steels	Pranay Bagde	Dr S G Sapate Dr R K Khatirkar	July 2012
8.	Studies on a brasive wear of some alloyed cast irons	N H Patil	Dr S G Sapate	January 2013
9.	Effect of welding on corrosion of FSS and MS	Sachin Ambade	AP Patil	July 2010
10.	Effect of coating structure on corrosion of galvanized steel	Babarao Deshmukh	AP Patil	July 2010
11.	Development of Rare Earth Activated Alumino-Silicate Based Nanophosphors for Solid State Lighting	Ashwini Kumar Sharma	Peshwe D R / Jatin Bhatt / Dhoble S G	July 2010
12.	Welding and corrosion of Cr-Mn ASS in Industrial Electrolyte	Ankur Bansod	A P Patil	July 2013
13.	Alloy design for bulk metallic glass forming composition and its biocompatibility study	S.Vincent Kumar	Jatin Bhatt	July 2011

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
14.	Evaluation of Machinability of Austempered Ductile Iron	Prashant Parhad	Ajay Likhite & Jatin Bhatt	July 2011
15.	Deformation studies on metallic glasses through cluster dynamics	K S N Satish Idury	Jatin Bhatt	July 2014
16.	Structural developments during deformation and annealing in two phase materials .	Amit Kumar	R K Khatirkar	January 2015
17.	Welding behavior and corrosion studies of stainless steels .	Jagesvar Verma	R V Taiwade & R K Khatirkar	January 2014
18.	Structure Property Corelationship in Austenitic Stainless Steel Weldments	Himanshu Vashistha	R.V. Taiwade	July 2014
19.	Carbide Austempered Ductile Iron	S. A. Patil	Ajay Likhite & S.U. Pathak	
20.	Low Carbon Austempered Ductile Iron	Sudhakar Umale	Ajay Likhite & S.U. Pathak	
21.	FSW of 7XXX Al alloys	Rishi Saraf	Ajay Likhite	July 2014
22.	Austempered Ductile Iron	Vinayak Dakre	Ajay Likhite	December 2014
23.	Synthesis and characterization of high conducting polypyridine and their blends as novel sensor	Mr. V V Karambelkar	Dr. S N Paul Dr. J D Ekhe	July 2009
24.	Processing and characterization of reinforced DBS nanocomposites	Mr. P A Kakde	Dr. S N Paul	July 2010
25.	Structured and properties of PTI based polymer blends	Mr. S A Deo	Dr. S N Paul Dr. J D Ekhe	July 2007

7.14 Mining Engineering

S. No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1	Safety information and decision System for coal mine	Mr Anupan Kher	Dr.R.R.Yerpude	2010
2	Web pillar design in highwall mining	Mrs Chandrani Prasad Verma	Dr. N. R. Thote	July 2011

7.15 Applied Physics

S.No.	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	"Development of lead free electro ceramics for ferroelectric applications"	Mugdha Jagdale	V.K. Deshpande	January 2013
2.	"Study of the effect of gamma and neutron irradiation on physical properties of lithium borosilicate glasses"	Aashish Raut	V.K. Deshpande	July 2013
3.	Synthesis and Characterization of Rare Earth Oxide Doped Alkali Silicate Glasses and Glass ceramics	V.Y.Ganvir	Dr. R.S.Gedam	June 2011
4.	Synthesis and Characterization of Glasses Containing Semiconductor Quantum Dots	S. R. Munishwar	Dr. R.S.Gedam	June 2013
5.	Synthesis and Characterization of Glasses doped with rare earth for solid state lightning	Praveen P. Pawar	Dr. R.S.Gedam	January 2015
6.	Synthesis of Cd based nanoforms and their doping towards luminescence application	Nikila Nair	Dr B R Sankapal	January 2013
7.	Cd-chalcogenide based thin film solar cells	Sutripto Majumder	Dr B R Sankapal	July 2013
8.	Coating of metal oxide/hydroxides on carbon nanotube thin films for supercapacitor application	Shrikant S Raut	Dr B R Sankapal	July 2013
9.	Nanomaterials for supercapacitor	Swapnil Kharade	Dr B R Sankapal	January 2014

S.No	Thesis Topic	Name of scholar	Supervisor(s)	Period of Registration
1.	Preparation and characterization of Cu - based compound semiconducting Thin film heterojunctions	Swapna Mary . G	Dr. G. Hema Chandra	July, 2013
2.	Studies on $\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4$ thin film heterojunction solar cells	Deepak Nagpure	Dr. G. Hema Chandra	July, 2014
3.	Preparation and study of bismuth oxide containing glasses and glass ceramics	Mrs. Vijaya D. Raut	Dr. (Mrs.) A. V. Deshpande	July 2009
4.	Synthesis and characterization of solid electrolyte for thin film battery application	Ms. Shweta Gundale	Dr. (Mrs.) A. V. Deshpande	July 2014
5.	Conducting Polymers and Polymer nanocomposites, Thin film	Ms. Jyoti Nanal (Mrs. Jyoti Ghushhe)	Dr. (Mrs.) S. M. Giripunje	July 2011
6.	Nanomaterials and Quantum Dots	Ms. Shikha Jindal	Dr. (Mrs.) S. M. Giripunje	July 2013
7.	Low dimensional cobalt ferrite magnetic nanoparticles for biomedical applications	Kamlesh Chandekar	Dr. K. Mohan Kant	

8 Ph.D.s during 2014-15

S. No.	Topic	Name of scholar	Supervisor(s)
8.1 Applied Mechanics			
1	Influence of seismic pounding on adjacent structures	Nilesh U Mate	Dr S V Bakre Dr O R Jaiswal
8.2 Architecture and Planning			
2	Investigating the prevalence, relevance appropriateness of Bamboo Technology for Housing in India.	C.S. Sabnani	(I) Dr. M.V. Latkar, Asso. Prof., Dept.of Civil, VNIT, Nagpur (E) Prof. Utpal Sharma, Centre of Environmental Planning & Technology, Ahemadabad

S. No.	Topic	Name of scholar	Supervisor(s)
3	Impact of Workspace Design on Occupants' behavior, for efficiency and comfort – A Case Study of Nagpur	Pooja Pathak	Dr. Alpana Dongre
4	Paradigm of Relocation of Urban Poor Habitats: A Case Study of Nagpur City	V.S. Kapse	
5	Urban Design and Complexity Science – Emergent Properties of Public Realm in Urban Environment	Akshay P. Patil	Dr. Alpana Dongre
6	Relationship between Urban Outdoor Spaces and Thermal Comfort	V.V. Ghuge	(I) Dr. R.V.Ralgaonkar (E) Dr. Alka Bharat,

8.3 Applied Chemistry

1	Synthesis and Characterization of Metal Oxide Nanocomposites for Photocatalytic Application.	A. Charanpahari	Dr. S.S. Umare
2	Fabrication and Evaluation of Electrochemical Sensors for Biologically Important Molecules	Mr. Kiran Kumar Tadi	Dr. Ramani Motghare

8.4 Chemical Engineering

1	Synthesis, Characterization and Application of Ionic Liquids for Desulfurization of Liquid Fuels	Swapnil Dharaskar	Dr. K. Wasewar
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S. No.	Topic	Name of scholar	Supervisor(s)
8.5 Civil Engineering			
1.	“Evaluation of Performance of Microbial Fuel Cell for Treatment of Organic Waste and Electricity Generation”	Mr. S.V. Ambekar	Dr. V. A. Mhaisalkar
2.	Development of GIS based noise simulation software for urban environment	Ritesh Vijay	Dr. Rajesh Gupta and Dr. T. Chakraborty
3.	Integrated Groundwater Management model for watersheds through spatial analysis of resources parameters	Sarang Mulye	Y B Katpatal P Kundal
4.	Investigating the Prevalence, Relevance & Appropriateness of Bamboo Technology for Housing in India	Ms. Chandra Sabnani	1.Dr. M. V. Latkar, 2 Prof. Utpal Sharma,
5.	Estimation of discharge through Trapezoidal Agricultural Canal using Simple Cylindrical Flume	Mr. A. M. Badar	Dr A D Ghare
6.	Accident modeling	A.K.Sharma	V.S.Landge
7.	Relationship between urban outdoor spaces and thermal comfort	Vidya V Ghuge	Dr. R V Ralegaonkar Dr. Alka Bharat
8.	Development of Sustainable Construction Material from Industrial Waste	Sanjay P. Raut	Dr. R V Ralegaonkar, Dr. S A Mandavgane
9.	Development of Sustainable Construction Materials from Agro-Waste	Mangesh V. Madurwar	Dr. R V Ralegaonkar, Dr. S A Mandavgane
10.	Studies on CO ₂ sequestration and biodiesel precursor(s) profiling using microalgae	Mr.Abhay Fulke	Dr.Tapan Chakrabarti
11	Development of System For Transformation Of Intermittent Water Supply	Kalpana Bhole	Dr.A R Tembhurkar

S. No.	Topic	Name of scholar	Supervisor(s)
12	Comparative Study of Short Term and Long Term Pullout Bond Strength Between OPC and PPC Mixes Using Plain and TMT Bars	Swapnil Wanjari	Dr. A D Pofle
13	Studies on Remediation of Soils Contaminated With Hazardous Waste	Sanjaykumar Chaudhary	Dr. V. A. Mhaisalkar

8.6 Computer Science & Engineering

1.	Information Mining in Microwray Gene Expression Analysis	Mrs. Sheetal A. Raut	Dr. S. R. Sathe
2.	Performance Enhancement of Matching Query Processing and Classification for Graph Data	Mrs. M. M. Dhabu	Dr. P. S. Deshpande
3.	Distributed Data Mining	Ms. Preeti A. Paranjape	Dr. U. A. Deshpande

8.7 Electrical Engineering

1.	Syudy of Optimization Techniques for Reducing Active Power Loss	Altaf Qurban Hussain Badar	Dr. B S Umare Dr. A S Junghare
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8.8 Electronics and Communication Engineering

1	Performance Evaluation of Physical Layer in Mobile Wi MAX Environment – A case study of Wi-MAX System.	Jagdish. D. Kene	Dr. K. D. Kulat
2	Design of low cost intelligent medical diagnostic system.	Rajendra Sutar	Dr. A. G. Kothari
3	Design of Rough set processor for control & Automotive Application.	Ms. Kanchan Tiwari	Dr. A. G. Kothari

8.9 Center for VLSI and Nanotechnology

1	Modeling and simulation of highly sensitive optical gas sensors using silica nanowires	Dr. Mrs. Shilpa Kulkarni	Dr. Mrs. S.R. Patrikar
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S. No.	Topic	Name of scholar	Supervisor(s)
8.10 Humanities			
	Understanding Employee Attrition: A Psycho Social Study	Mss Abha Parchure	Dr.Y.M. Deshpande
	Understanding Military Leadership: A Psycho Social Study	Mr. Ajay Kelkar	Dr.Y.M. Deshpande
8.11 Mechanical Engineering			
	Heat transfer studies with sound assisted fluidized bed of Multi component system	Vaidya V. B.	Dr.S.B. Thombre
	Design and Development of multi-cylinder HSDI Diesel engine with high performance and ultra low emissions	Pundlik R. Ghodke	Dr, J. G. Suryawanshi
	Optimization of Process Parameters for ECM to maximize MRR and Improve Surface Finish	Sanjay Uttarwar	Dr. IK Chopde
	Experimental Analysis of Effect of Heat Treatment on The Surface Quality and Service Life of A Blanking Die	Milind Dhobe	Dr. IK Chopde
8.12 Metallurgical & Materials Engineering			
	Damage Tolerance Behaviour of CFRP Composites under Spectrum Fatigue Loads	Manjusha Duragkar (Thawre)	Dr. R.K.Paretkar
	Development of Rare Earth Activated Alumino -Silicate Based Nanophosphors for slid State Knitting	Ashwini Kumar Sharma	Dr. Jatin Bhatt
	Localized corrosion of ASS: Application of ENM	Manish Bihade	Dr. AP Patil
	Synthesis and Mechanical Properties evaluation of Al - AlN nanocomposites with varying AlN Content	Sandeep Fale	Dr. Jatin Bhatt Dr. Ajay Likhite
	Study of noise generated by gas bubble s & bath /metal movement during fused salts electrolysis of alumina.	Anupam Agnihotri	Dr. S.U.Pathak

S. No.	Topic	Name of scholar	Supervisor(s)
7.	Performance evaluation & size improvement of boiler tube components through plasma surfaces coatings	Venkateshwar Rao	Dr. S.U.Pathak
8.	Development and Characterization of Carbide Austempered Ductile Iron (CADI)	Sunil Patil	Dr. Ajay Likhite Dr. SU Pathak
9.	Development of Low Carbon Ductile Iron (CADI)	Sudhakar Umale	Dr. Ajay Likhite

8.13 Mining Engineering

1	Investigations into Critical Parameters and Numerical Modeling for Stability Analysis and Designing Coal Mines Waste Dumps"	Mr. I. L.Muthreja	Dr.R.R.Yerpude
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8.14 Applied Physics

1.	"Development of Ferroelectric glass -ceramics for transducers"	Vijay Rahangdale	V.K. Deshpande
2.	"Study some proton conducting glasses"	Sudhir Tiple	V.K. Deshpande
3.	Synthesis and characterization of lithium borate glasses containing rare earth oxides	D.D.Ramteke	Dr.R.S.Gedam



Research Publications

9. PUBLICATIONS

9.1 Applied Mechanics

Research Publication in International / National Referred Journals.

1. Nilesh U. Mate, S. V. Bakre and O. R. Jaiswal, "Pounding influence on adjacent liner elastic structure considering various impact simulation techniques", Journal of Structural Engineering, SERC, Vol 41, No. 5, PP 441-456, Dec 2014-Jan 2015.
2. Nilesh U. Mate, S. V. Bakre and O. R. Jaiswal, "Seismic Pounding on Adjacent liner elastic building with various contact mechanism for impact simulation", Asian Journal of Civil Engineering (BHRC), Vol 16, No. 3, (2015).
3. Kumbhar, O. G., Kumar, R., and Adhikary, S., "Effect of staircase on seismic performance of RC frame building," Earthquake and Structures, Accepted for Publication.

Research Publication in International Conferences / National Conferences

1. Atul Manchalwar and Bakre S. V. (2014), "Performance of RC structures equipped with steel & aluminium X-plate dampers", Academic reference series, Advances in Structural Engineering Modeling, Simulation and Analysis, Vol 4, Bloomsbury India Publisher, (ISBN: 978-9-38-489872-4)
2. Shreyas Dahake, Gurudatta Avinash & Sonparote R. S. (2014), "Design of footing subjected to biaxial moment by using Visual Basic Application", International Conference on Advance in Civil & Mechanical Engineering Systems, ACMES-2014
3. O. Hafsath and O. R. Jaiswal (2015): "Effect of Re-entrant Corner in Building On Seismic Response", *Proceedings of International Conference on Sustainable Energy and Built Environment, Visvesvaraya Institute of Technology, Vellore, India, 12-13 March 2015*, ISBN:978-81-923320-6-2
4. Parate K. N., Kumar R., and Bakre S. V., (2014), "A Review on Seismic Behavior of RC Beam-Column Joints," 15th Symposium on Earthquake Engineering, IIT Roorkee, 11-13, Dec 2014
5. Nayak, S. S., Kumar R., and Sonparote, R. S., (2014), "Effect of Staged Construction Analysis on Seismic Design and Performance of RC Buildings," 15th Symposium on Earthquake Engineering, IIT Roorkee, Dec 2014
6. Chande, S., and Kumar, R., (2014), "Comparison of Seismic Vulnerability of Buildings Designed for Higher Force Versus Higher Ductility," Structural Engineering Convention 2014, IIT Delhi, Dec 2014
7. Samarth D. D., Bakre S. V. and Kumar R., (2014), "Seismic Analysis of Adjacent Buildings Connected with Dampers," ICCBE 2014 : International Conference on Civil and Building Engineering, Paris, France, June 2014.
8. Anadee M Kulkarni and Debarati Datta (2014), "Safety Checking of RC Frames Using Reliability Analysis", Structural Engineering Convention 2014 (SEC 2014), IIT Delhi, 22-24th Dec, 2014

Architecture and Planning

Research Publications in International / National Referred Journals

International Journal

1. A.P. Patil and A.R. Dongre, "An Approach for Understanding Encroachments in the Urban Environment based on Complexity Science", URBANDESIGN International, Vol. 19, Iss. 1, pp., Spring – 2014
2. A.P. Patil and A.R. Dongre, "Emergent Properties of the Public Realm and Encroachments in the Urban Environment", Nexus Network Journal, Published in Vol. 16, 2014.
3. C.S. Sabnani, Madhuwanti Latkar and Utpal Sharma, "The Urban Informal Sector and Housing", International Journal of Scientific and Research Publications, Volume 4, Issue 5, May 2014, pp1-8
4. C.S. Sabnani, 'A Relook at the Housing Policies from the Viewpoint of the Urban Poor in India', International Journal of Scientific & Engineering Research, Volume 5, Issue 5, May-2014, pp 433-447

5. C.S. Sabnani and Mukesh Patel, 'A Realistic Cost Assessment for a Conventional Dwelling Unit (DU), Partially and Selectively Replaced With Engineered Bamboo', International Journal Of Modern Engineering Research (IJMER), Volume: 04 , Issue : 06, June 2014, pp 42-48
6. C.S. Sabnani and Mukesh Patel, "Is dilution of standards in housing conventional materials, as against using alternative materials like bamboo a solution to increasing affordability among the urban poor?", (IJSER) International Journal of Scientific and Engineering Research), Volume:05, Issue : 07, July 2014,
7. C.S. Sabnani and Mukesh Patel, 'The Deliverance System for mass Housing for the Urban Poor in India, using Bamboo as an Alternative Building Material', International Journal of Scientific and Research Publications, Volume 4, Issue 7, July 2014, pp 1-12
8. R.S. Kotharkar, P.N. Bahadure and N. Sarda, "Measuring Compact Urban Form: A Case of Nagpur City, India", Sustainability 2014, 6, pp 4246-4272, Published: 9 July 2014.
9. V.K. Bakde and S.Y. Kulkarni, affordable Housing- A critical Review of Literature, International Journal of innovative Reserach and Studies (IJIRS), Volume 2, Issue 3, pp 1764-175, Feb. 2014.

National Journal

1. V.K. Bakde, "Importance of Baseline Data for Delineating Urban Housing Policy- A case study in Tier II city of India", In Architecture, Time, Space, and People, the refereed Journal of Council of Architecture, India, Vol.14, Issue 5, PP.28-35, May 2014

Research Publication in International Conferences / National Conference

International Conference

1. S.P. Bahadure and P. Sangeetha, "Sustainable Approach for Conserving and Managing for Urban water bodies" Proceeding of Second International Conference on Global Business, Economics, Finance and Social Sciences (GB14 Conference) Chennai, India, 11-13 July 2014, Paper ID_C455
2. Vishal Garg, Rajashree Kotharkar, Jayant Sathaye, Hema Rallapalli, Nilesh Kulkarni, Niranjana Reddy, Prabhakar Rao and Ashok Sarkar, "Assessment of the Impact of Cool Roofs in Rural Buildings in India", Third International Conference on Counter Measures to Urban Heat Island, Venice (Italy), October 13 to 15, 2014, Paper No. 224

Chemical Engineering

Research Publications in International / National Referred Journals

1. Sunil Deokar and Sachin Mandavgane , Estimation of packed bed parameters and prediction of breakthrough curves for adsorptive removal of 2,4-D using rice husk ash, Journal of Environmental Chemical Engineering, Accepted (In press)(2015)
2. Pranav Pathak, Sachin Mandavgane, Bhaskar D Kulkarni , Utilization of banana peel for the removal of benzoic and salicylic acid from aqueous solutions and its potential reuse, Desalination and Water Treatment, Accepted (In press)(2015)
3. Pranav Pathak, Sachin Mandavgane, Bhaskar D Kulkarni, Fruit peel waste a novel low cost bio adsorbent: A review, Reviews in Chemical Engineering, Accepted. (In press)
4. Sunil Deokar and Sachin Mandavgane, Rice Husk Ash (RHA) for fast removal of 2,4-D from aqueous solution, Adsorption Science and Technology, Accepted. (In press)(2015)
5. Raju Dutta, Tallam V. Nagarjuna, Sachin A. Mandavgane, Jayant D. Ekhe, Ultrafast Removal of Cationic Dye Using Agrowaste-Derived Mesoporous Adsorbent, Ind. Eng. Chem. Res, in press(2015)
6. Madurwar M V, Mandavgane S A, Ralegaonkar R V, Development and Feasibility Analysis of Bagasse Ash Bricks, Journal of Energy Engineering, ASCE, Accepted (in Press) (2014) Impact Factor 0.543, <http://ascelibrary.org/journal/jleed9>,

7. Kanti Kumar. Athankar, K. L. Wasewar, Mahesh N. Varma, Diwakar Z. Shende, Hasan Uslu, Stoichiometric and Spectroscopic Study of Reactive Extraction of Phenylacetic Acid with Tri-n-butyl Phosphate, Chem. Biochem. Eng. Q. 29, (2015) In Press (2015)
8. Kanti Kumar. Athankar, K. L. Wasewar, Mahesh N. Varma, Extractive Separation of Benzylformic Acid with Phosphoric Acid Tributyl Ester: Equilibrium Study, J. Chem. Eng. Data. 60 (2015), DOI: 10.1021/je500943m, (2015)
9. Gadhe Abhijit, Sonawane Shriram* and Varma Mahesh, "Enhancement effect of hematite and nickel nanoparticles on biohydrogen production from dairy wastewater", International journal of hydrogen energy 40 4502-4511, (2015)
10. Ganesh S. Bajad, Saurabh K. Tiwari, R. P. Vijayakumar. Synthesis and characterization of CNTs using polypropylene waste as precursor. Materials Science and Engineering B, Vol. 194, 68–77. (2015)
11. Ravuluri Sahithi, Bajpai Harshit, Khandelwal Mansi, Bajad Ganesh, Vijayakumar R.P.. A Review on Synthesis of CNTs and its Application in Conductive Paints. International Advanced Research Journal in Science, Engineering and Technology, Vol. 2, Issue 3 (2015).
12. Ganesh D. Waghmare, K. L. Wasewar, Sriram S. Sonawane, Kinetics and Thermodynamics of Picolinic Acid Adsorption on Low Cost Adsorbent Peanut Hull, Res. J. Chem Env. (2014)
13. Swapnil A. Dharaskar, K. L. Wasewar, Mahesh N. Varma, Diwakar Z. Shende, CK Yoo, Ionic Liquids: - Environmentally Benign solvent for Extractive Deep-desulfurization of Liquid Fuels, J. Modern Chemistry Chem. Tech. 5(3) (2014)
14. Hasan Uslu, Göksel Demir, Cuma Bayat, K. L. Wasewar, Hisham S. Bamufleh, Adsorptive separation of adipic acid from aqueous solutions by perlite or its composites by manganese or copper, Membrane Water Treatment 5(4) 295-304 (2014)
15. Kanti Kumar A., K. L. Wasewar, Mahesh N. Varma, Diwakar Z. Shende, Relative basicity approach for separation of α -toluic acid with triglycerides of fatty acids by reactive extraction, J. Ind. Eng. Chem. July 2014
16. DOI:10.1016/j.jiec.2014.07.016 (2014)
17. Rachna Umbarkar, K. L. Wasewar, Investigation of average life of underground storage tanks, J. Fut. Eng. Tech. 10(1) 12-17, (2014)
18. A. Waheed Deshmukh, Mahesh N. Varma, K. L. Wasewar, Investigation of Solar Drying of Ginger (*Zingiber officinale*): Empirical modelling, Drying Characteristics and Quality Study, Chinese J Eng. ID 305823, 7 pages (2014)
19. Swapnil A. Dharaskar, K. L. Wasewar, Mahesh N. Varma, Diwakar Z. Shende, Extractive desulfurization of liquid fuels by energy efficient green thiazolium based ionic liquids, Ind. Eng. Chem. Res. 53(51), 19845-19854 (2014)
20. R. S. Khedkar, S. S. Sonawane, K. L. Wasewar, Heat transfer study on concentric tube heat exchanger using TiO₂-water based nanofluid, Int. Comm. Heat & Mass Tran. 57, 163-169 (2014)
21. Rathod Ajit P., Wasewar Kailas L. and Sonawane Shriram S., "Enhancement of Esterification of Propionic Acid with Ethanol by Pervaporation Reactor", Research Journal of Chemistry and Environment, Vol. 18 (5) May (2014)
22. Gadhe Abhijit, Sonawane Shriram* and Varma Mahesh, "Ultrasonic Pre-treatment for an enhancement of biohydrogen production from complex food waste ", International journal of hydrogen energy International journal of hydrogen energy 39 7721-7729, (2014)
23. Gadhe Abhijit, Sonawane Shriram and Varma Mahesh Kinetic analysis of biohydrogen production from complex dairy wastewater under optimized condition", International journal of hydrogen energy 39 1306-1314, (2014)

24. Khedkar Rohit, Sonawane Shriram* and Wasewar Kailas,” Preliminary study of thermal conductivity and viscosity of ethylene glycol with CuO nanorod inclusions”, Research Journal of Chemistry and Environment, Vol.18 (3) (2014)
25. Gadhe Abhijit, Sonawane Shriram* and Varma Mahesh, “Evaluation of ultrasonication as a treatment strategy for enhancement of biohydrogen production from complex distillery wastewater and process optimization”, International journal of hydrogen energy 39 (19):10041–10050. (2014)
26. Shyam Kodape, Pradyumna Sapkal, V. S. Sapkal, R. S. Sapkal, “Performance Enhancement of Recirculated Membrane Bioreactor (RMBR) with Dual Effect of Cross Flow Velocity and Operating Temperature for Wastewater Treatment”, International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 4, Issue 8, 134-140, August 2014.
27. Shyam Kodape, V.S.Sapkal, R.S.Sapkal, “Study on Performance of Membrane Bioreactor (MBR) system at various temperatures for Wastewater Treatment”, International Journal of Innovative Research in Advanced Engineering (IJRAE) ISSN: 2349-2163 Volume 1 Issue 7 108-116, August 2014.
28. Sunil Deokar, Sachin Mandavgane and , Bhaskar D Kulkarni “Unusual behaviour of biomass multicomponent ashes as adsorbents”, Current Science, Accepted (In press)
29. Mangesh V. Madurwar, Sachin A. Mandavgane and Rahul V. Ralegaonkar, “Use of sugarcane bagasse ash as brick material”, Current Science, VOL. 107, NO. 6, 25 September 2014
30. Raut S P, Mandavgane S A, Ralegaonkar R V, Application of Small-Scale Experimental Models for Thermal Comfort Assessment of Sustainable Buildings, International Journal of Civil Engineering, Iran, Accepted (in Press) (2014),

Research Publication in Internal Conferences / National Conference

1. Dharaskar S.A., Wasewar K.L., Varma M.N., Shende D.Z., “CO₂ sequestration using imidazolium based ionic liquids”, National Conference on recent advances in Chemical Engineering (GreenChem-2015), Jawaharlal Darda Institute of Engineering & Technology, Yavatmal (M.S) India, 20th March, (2015).
2. Pushpak Uikey, N. Arun Kumar, Shyam M. Kodape, “Study on effect of temperatures on waste water treatment in submerged membrane bio reactor (SMBR)”, Chemix'15- A National Conference on Inter- & Intra-Disciplinary Blend of Chemical Engineering, pg. 91, March 28-29, 2015, Department of Chemical Engineering, VNIT Nagpur.
3. Shyam M. Kodape, Pushpak Uikey, N. Arun Kumar, “A review of membrane bioreactor (MBR) configuration & their application in waste water treatment”, poster presentation, Chemix'15- A National Conference on Inter & Intra-Disciplinary Blend of Chemical Engineering, pg. 91, March 28-29, 2015, Department of Chemical Engineering, VNIT Nagpur.
4. Pranav D. Pathak & Sachin A. Mandavgane, “Physicochemical characterization of fruit and vegetable waste”, International conference on new Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-15), 22th-21st March 2015, Department of chemical engineering, NIT Warangal, Page 286-286, ISBN: 978-81-928314-1-1
5. Suraj Bidwai, Kedar Kottawar, Pranav D. Pathak & Sachin A. Mandavgane, “Banana Pseudo stem fiber for the removal of aromatic carboxylic acid”, International conference on new Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-15), 22th-21st March 2015, Department of chemical engineering, NIT Warangal, Page 383-384, ISBN: 978-81-928314-1-1
6. Raju Dutta, Sachin A. Mandavgane, Jayant D. Ekhe, Synthesis of mesoporous structured silicate from agro-waste rice husk ash, INDO-BRAZIL Bilateral International Conference ICAMM 2015 organized by DST at Cape Institute of Technology, 27-28 March, 2015

7. Raju Dutta, Sachin A. Mandavgane, Jayant D. Ekhe, Green heterogeneous catalyst for transesterification of soybean oil, ICFM-2015 organized by ISCAS, P.G. Dept. of Chemistry, RTM Nagpur University, 5-7 Feb, 2015
8. Manisha Kambale, Sunil Deokar and Sachin Mandavgane, Biomass Ash: An Adsorbent For Removal Of Chlorinated Pesticide From Aqueous Solution, International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE- 2015) Organized during 20-21 March, 2015 at NIT, Warangal.
9. Nikhilesh Trivedi and Sachin Mandavgane, Removal of 2,4 Dichlorophenoxyacetic acid (2,4 D) by adsorption onto mustard plant ash (MPA)". International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE- 2015) Organized during 20-21 March, 2015 at NIT, Warangal.
10. Sachin Mandavgane, Shift from Structured to Unstructured Education System", presented at Third International Conference on Creativity and Innovation at Grassroots [ICCIG], IIMA, Ahmedabad, India Jan 19 – 22, 2015.
11. Sonali Tajane, Praful Dadhe, Sayaji Mehetre, Sachin Mandavgane, Extraction and HPLC determination of Azadirachtin present in fine powder formulation of whole Neem Fruit, DAE-BRNS Life Sciences Symposium-2015, Feb 3-5, 2015
12. Sonali Tajane, Praful Dadhe, Sayaji Mehetre, Sachin Mandavgane Stability of Azadirachtin (Neem) Bio Pesticides: Challenges and Remedies, DAE-BRNS Life Sciences Symposium-2015, Feb 3-5, 2015
13. Khonde, R., Chaurasia, A. S., Pyrolysis of Sawdust, Rice Husk and Sugarcane Bagasse: Kinetic Modelling and Estimation of Kinetic Parameters Using Different Optimization Tools. Journal of the Institution of Engineers (India): Series E, vol. 96, 1, 23-30. (2015)
14. O. Yadav, R. Avadhoot, S. S. Raj, R. D. Khonde and Chaurasia, A. S. (2015). Cracking of rice husk tar in two-stage fixed bed gasifier. Proceedings of National Conference on Inter and Intra-disciplinary Blend of Chemical Engineering (CHEMIX 2015), VNIT, Nagpur, India during March 28-29, 2015. Earned Second Prize, awarded for the Best Paper Presentation in Chemical Engineering at CHEMIX' 15.
15. E. Mardikar, S. Dhabu, S. Gupta, P. R. Sonarkar and Chaurasia, A. S. (2015). Effect of moisture content of biomass pellet on different parameters in gasifier based purti cook stoves. Proceedings of National Conference on Inter and Intra-disciplinary Blend of Chemical Engineering (CHEMIX 2015), VNIT, Nagpur, India during March 28-29, 2015. Earned Second Prize, awarded for the Best Paper Presentation in Chemical Engineering at CHEMIX' 15.
16. Khonde, R. D. & Chaurasia, A. S. (2015). Design and Experimentation on Two-Stage Biomass Gasification Reactor. Proceeding of National Conference on Recent Trends in Chemical Engineering and Technology (REACT 2015) organized by Laxminarayan Institute of Technology, Nagpur, February 27-28, 2015, pg. 21.
17. Sonarkar, P. R. & Chaurasia, A. S. (2015). Improvement in the Design of Biomass-Based Gasifier Stoves. Presented at TRANSTECH' 15 organized by Tolani Maritime Institute in association with 'The Institute of Marine Engineers (India)' and 'The Institution of Engineers (India)', Pune, February 26-28, 2015. Earned Second Prize, awarded for the Best Paper Presentation in Chemical Engineering at TRANSTECH' 15.
18. Katakwar Piyush, Krishna V Ajay, Rajwade Kanad, Bajad Ganesh, R. P. Vijayakumar (2015), "In – situ polymerization of PS – CNT nanocomposites and study on the reaction kinetics" National conference on Recent Advances in Polymer Science and Technology, Macrotechnevista, Nagpur, India, Jan 23-24, 2015.
19. Ravluri Sahithi, Kandelwal Mansi, Bajpai Harshit, Bajad G. S, R. P. Vijayakumar (2015), "A review on preparation of conductive paints with CNTs as fillers" National conference on Recent Advances in

Polymer Science and Technology, Macrotechnevista, Nagpur, India, Jan 23-24, 2015.

20. Madan S., Wasewar K. L., Recovery of carboxylic acids from waste water by using nanoparticles, International conference on emerging trends in agriculture, horticulture and environmental engineering (ICETAHE22014) Nov'15-17, 2014 at MANIT, Bhopal. (Paper presented)
21. Dharaskar S.A., Wasewar K.L., Varma M.N., Shende D.Z., Synthesis, Characterization, and Application of Novel 1-Butyl-3-Methylimidazolium Thiocyanate for Extractive Desulfurization of Liquid Fuel, International Conference on Environmental and Energy (ICEE-2014), Jawaharlal Nehru Technical University (JNTU), Hyderabad, India. 15-17, December (2014).
22. Wasewar K.L., Dharaskar S.A., Varma M.N., Shende D.Z., Deep desulfurization using ionic liquids for low sulfur fuel, 4th Asia-Pacific Conference on Ionic Liquids and Green Processes and 6th Australasian Symposium on Ionic Liquids (APCIL-4/ASIL-6 2014), University of South Wales (UNSW), Sydney, Australia. 28-30, September (2014).
23. Dharaskar S.A., Wasewar K.L., Varma M.N., Shende D.Z. "Synthesis, Characterization, and Application of Novel 1-Butyl-3-Methylimidazolium Sodium Thiocyanate For Extractive Desulfurization of Liquid Fuel" during 7th -10th, September 2014, Engineering Symposium (APCRE-7), Organized by Department of Chemical Engineering, Faculty of Engineering, Chulalongkorn University and The Thai Institute of Chemical Engineering and Applied Chemistry (TICe) Bangkok, Thailand.
24. Dharaskar S.A., Wasewar K.L., Varma M.N., Shende D.Z. "Synthesis, Characterization, and Application of Room Temperature Ionic Liquids For Extractive Desulfurization of Liquid Fuel" during 29th June – 2nd July 2014, in 2nd International Conference on Ionic Liquids in Separation and Purification Technology (ILSEPT), The Westin Harbour Castle, Toronto, Canada.
25. Dharaskar S.A., Wasewar K.L., Varma M.N., Shende D.Z. "Ionic Liquids: - Novel Green Solvent For Extractive Desulfurization of Liquid Fuel" during 27th – 29th September 2014, in International Conference on Green for Environmental pollution and Control (ICGEPC-2014), Department of Chemical Engineering, National Institute of Tiruchirappalli, Tamil Nadu (India).
26. Raju Dutta, Sweta D. Sukhdeve, Kanchan T. Gaikwad, Mayur P. Patle, Jayant D. Ekhe, Sachin A. Mandavgane, 'Economic synthesis of Mesoporous Aluminosilicate Al-MCA-41 from rice husk silica' International Conference on Green Technology for Environmental Pollution Prevention and control (ICGTEPC 2014), 27th-29th September 2014, Organized by Department of Chemical Engineering National Institute of Technology Tiruchirapalli (NITT), India.
27. Sonali Tajane, Praful Dadhe, Sachin A. Mandavgane, 'Mathematical Modelling of particle size distribution of neem seed' International Conference on Green Technology for Environmental Pollution Prevention and control (ICGTEPC 2014), 27th-29th September 2014, Organized by Department of Chemical Engineering National Institute of Technology Tiruchirapalli (NITT), India.
28. Chinmay S Pathak, Rahul V Ralegaonkar, Sachin A Mandavgane, "Application of recycle paper mill waste as thermal insulator for engineering applications", Proceedings of The 30th National Convention of Chemical Engineers' on the Theme "Recent Trends in Research, Development and Innovations In Chemical Industries" September 6-7, 2014, Agartala, Tripura
29. Sunil K Deokar, Diksha Singh, Sweta A Modak, Sachin A Mandavgane, "Effect of RHA particle size on 2,4-D adsorption from aqueous solution", International conference on Environment and Energy-2014, JNTUH, Hyderabad.
30. Pranav D Pathak, Sachin A Mandavgane, "Kinetics of aromatic organic acid adsorption on microwaved synthesised biochar", International conference on Environment and Energy-2014, JNTUH, Hyderabad.
31. Pranav D. Pathak, Sachin A. Mandavgane, 'Adsorption of phenylacetic acid on banana peel' International Conference on Green Technology for Environmental Pollution Prevention and control (ICGTEPC

2014), 27th-29th September 2014, Organized by Department of Chemical Engineering National Institute of Technology Tiruchirapalli (NITT), India.

32. Pardeep Singh, Pranav D. Pathak, Sachin A. Mandavgane, "Use Of Sonication For Removal Of Brilliant Green Dye From Aqueous Solution", CHEMCON-14, December 27-30, 2014, Chandigarh, India.
33. Nandini Raghuvanshi, Rutuja Atrey, Pranav D. Pathak, Sachin A. Mandavgane, "Removal Of Salicylic Acid From Dilute Aqueous Solution", CHEMCON-14, December 27-30, 2014, Chandigarh, India.
34. Kanchan Modi, Mohnish Kumar, Swati Kumari, Praful Dadhe, Sonali Hiwarkar, Sachin Mandavgane, "Stabilization of Azadirachtin Present In Neem Fruit Dust Using Different Carriers And Stabilizers Under UV Light Exposure", CHEMCON-14, December 27-30, 2014, Chandigarh, India.
31. Khonde, R. D. & Chaurasia, A. S. (2014). "Estimation and Optimization of Kinetic Parameters of Rice Husk and Sugarcane Bagasse Pyrolysis". Presented at International symposium & 67th annual session of IChE (CHEMCON-2014), Chandigarh, December 27-30, India.
32. Khonde, R. D. & Chaurasia, A. S. (2014). "Biomass Pyrolysis: Optimization of Kinetic Parameters". Poster Presented at Research Scholars Day (RSD-2014), VNIT Nagpur, September 20, 2014, India. Earned the First Prize, awarded for the Best Poster Presentation in Chemical Engineering at Research Scholars Day (RSD-2014), VNIT Nagpur, September 20, 2014, India.
35. Sonarkar, P. R. & Chaurasia, A. S. "Experimental and Computational Studies on improved Gasifier Stoves". Poster Presented at Research Scholars Day (RSD-2014), VNIT Nagpur, September 20, 2014, India
36. Ganesh S. Bajad, Vijayakumar R. P., "Thermal decomposition of waste plastic to fuel oil and carbon nanotubes". Poster Presented at Research Scholars Day (RSD-2014), VNIT Nagpur, September 20, 2014, India (2014).

Chemistry

Research publications in International/National referred Journals

1. S.G. Ghugal, S.S.Umare, and R Sasikala., Enhanced Photocatalytic Activity of TiO₂ Assisted by Nb, N and S Multidopants, Materials Research Bulletin 61(2014)298-305.
2. S.G. Ghugal, S.S.Umare, and R Sasikala., A Stable, Efficient and Reusable CdS-SnO₂ Heterostructured Photocatalyst for the Mineralization of Acid Violet 7 dye, Applied Catalysis A: General 496(2015)25-31.
3. S.K Singh, J.D Ekhe, Solvent effect on HZSM5 catalyzed solvolytic depolymerization of industrial waste lignin to phenols: superiority of the water-methanol system over methanol RSC Advances 4 (95), 5322053228.
4. SK Singh, JD Ekhe, Towards effective lignin conversion: HZSM5 catalyzed one pot solvolytic depolymerization/hydrodeoxygenation of lignin into value added compounds, RSC Advances 4 (53), 2797127978.
5. R Dutta, TV Nagarjuna, S Mandavgane, JD Ekhe, Ultrafast removal of cationic dye using agrowaste derived mesoporous Adsorbent Industrial & Engineering Chemistry Research.
6. GS Deshmukh, DR Peshwe, SU Pathak, JD Ekhe, Nonisothermal crystallization kinetics and melting behavior of poly (butylene terephthalate)(PBT) composites based on different types of functional fillers Thermochimica Acta 581, 4153
7. Sushma Pardeshi, Rita Dhodapkar, Anupama Kumar, "Effect of some polymerization methods on the imprinting performance of molecularly imprinted polymers for molecularly imprinted solid phase extraction application" Journal of the Chinese Advanced Materials Society, 2014, (<http://dx.doi.org/10.1080/22243682.2014.963669>)
8. Kavita N Pande, Anupama Kumar, Dilip R Peshwe, "Study of Low Temperature Effect on Strength of

Polymers: Novel Approach towards Cryogenic Treatment“, Nano Trends: A Journal of Nanotechnology and Its Applications Volume 16, Issue 1, page1-9

9. H. Kumar, A. Chattopadhyay, Prasath. R, V. Devaraji, R. Joshi, P. Bhavana, P. Saini & Sujit Kumar Ghosh, “Design, Synthesis, Physicochemical Studies, Solvation, and DNA Damage of Quinoline-Appended Chalcone Derivative: Comprehensive Spectroscopic Approach toward Drug Discovery”, J. Phys. Chem. B.118, (2014), 7257–7266.
10. Naveen K. Shrivastava, Shashikant B. Thombre, Ramani V. Motghare Wire mesh current collectors for passive direct methanol fuel cells. Journal of Power Sources, Elsevier, 272 Sept (2014) 629-638
11. Kiran Kumar Tadi, Ramani V. Motghare, V Ganesh, Electrochemical detection of Sulphanilamide using Pencil Graphite electrode based on Molecular Imprinting Technology. Electroanalysis, A Wiley Journal, Vol 26, Issue 11 (2014) 2328-2336.
12. Ramani V. Motghare, Kiran Kumar Tadi, Payal Dhawale, Aruna K. Kawadkar, Samiksha Deotare, Rakesh Chillawar, Shirinaz Khan, Voltammetric Determination of Uric Acid Based on Molecularly Imprinted Polymer Modified Carbon Paste Electrode. Electroanalysis, A Wiley Journal, Vol 27, Issue 3 March 2015, 825-832.
13. Bharat P. Kapgate, Chayan Das, Debdipta Basu, Amit Das and Gert Heinrich, Rubber Composites based on Silane treated Stöber Silica and Nitrile Rubber: Interaction of Treated Silica with Rubber Matrix Journal of Elastomers and Plastics, 47 (3), 248-261, 2015
14. Bharat P. Kapgate, Chayan Das, Debdipta Basu, Amit Das, Gert Heinrich and Uta Reuter, Effect of Silane Integrated Sol-Gel Derived In Situ Silica on the Properties of Acrylonitrile rubber, J. Appl. Polym. Sci., 131, 40054, 2014
15. Bharat P. Kapgate and Chayan Das, Reinforcing efficiency and compatibilizing effect of sol-gel derived in situ silica for natural rubber/chloroprene rubber blends, RSC Adv., 4, 58816-58825, 2014
16. Atul V. Wankhade, M. G. Dhonde, N. T. Khati, Sanjay R. Thakare and G. S. Gaikwad, Visible Light Induced Photoreductive Dehalogenation Using Carbon Doped ZnS Nanocrystallite. ChemSci Trans., Vol. 3(1), 332-340, 2014. doi:10.7598/cst2014.630
17. Sanjay R. Thakare, G. S. Gaikwad, N. T. Khati, A. V. Wankhade, Development of new, highly efficient and stable visible light active photocatalyst Ag₂ZrO₃ for methylene blue degradation Catalysis communication, Vol. 62, 39–43, 2015. doi:10.1016/j.catcom.2014.12.027.
18. Sangesh Zodape, Novel chemical species of santilli's magne gas, Hadronic chemistry, AIP Conf. Proc., 1648(510022) (2015), 1-5.
19. Susanta K. Nayak, "From Metallic Cluster-based Ceramics to Nematic Hybrid Liquid Crystals: A Double Supramolecular Approach", M. Amela-Cortes, R. Claire, S. Cordier and Y. Molard, Chem. Commun., 2015, 51, 3774-3777.
20. Laxmi Gayatri Sorokhaibam, Hydrodynamic cavitation for Industrial Wastewater Treatment, Chemical Industry Digest, Vol. 27, 11 Nov 2014
21. Laxmi Gayatri Sorokhaibam, Investigating role of sulfur specific carbon adsorbents in deep desulfurization, Journal of Environmental & Chemical Engineering, 2 (2014) 1495–1505, Elsevier
22. Laxmi Gayatri Sorokhaibam, Industrial Wastewater Treatment-Removal of acids from wastewaters, Journal of Environmental Research and Development, Vol. 8 No. 3A, 2014, page: 697-704.

Research publications in International conferences /National conferences

1. G.S.Gaikwad, S.R.Thakare, N.T.Khati, A.V.Wankhade, “Synthesis and Characterization of Visible light active Cerium containing zirconium oxide (Ce_{0.5}Zr_{0.5}O₂), International conferences on Futuristic Material and Emerging trends in Forensic and Life science” RTM, Nagpur University, Nagpur, Maharashtra - India on 5th, 6th and 7th January, 2015.

2. Sangesh P. Zodape, , Molecular interactions of Amantadine Hydrochloride with water at Different Temperature in 9th national conference on Thermodynamic of Chemical and Biological and environmental nonconventional energy system (TCBNES-2014) held on 17-18 October, 2014, Department of Chemistry, Sardar Patel University, Gujrat.
3. Sangesh P. Zodape, Volumetric, Acoustic and Viscometric Study of Piperazine citrate in an Aqueous Medium at Different Temperatures, 9th national conference on Thermodynamic of Chemical and Biological and environmental nonconventional energy system (TCBNES-2014), 17-18 October, 2014, at the Department of Chemistry, Sardar Patel University, Gujrat.
4. Sangesh P. Zodape, Volumetric and Acoustic study of biologically Active Amino acid neurotransmitter gamma amino butyric acid in an aqueous medium at different temperatures in 9th national conference on Thermodynamic of Chemical and Biological and environmental nonconventional energy system (TCBNES-2014), 17-18 October, 2014, Department of Chemistry, Sardar Patel University, Gujrat.
5. Sangesh P. Zodape, Volumetric, Acoustic and Transport Properties of Desipramine Hydrochloride compound in Aqueous Solutions at Different Temperatures in International Conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences (ICFM-2015) held at Hotel Center Point, Ramdaspath Nagpur, 5th -7th February 2015.
6. Nitesh Punyapreddiwar, Saurabh Gupta, Ishank Agarwal, Atul Wankhade, Sangesh Zodape, Umesh R. Pratap, Baker's Yeast Catalyzed Nitro-Aldol Reaction in Nonaqueous Solvent. 13th Eurasia Conference on Chemical Sciences during 14-18th December 2014, IISC, Bangalore,.
7. Saurabh Gupta, Ishank Agarwal Nitesh Punyapreddiwar, Umesh R. Pratap. Synthesis of 5-benzylidene-2,4-thiazolidinediones derivatives using Tungstic acid as an efficient catalyst. 13th Eurasia Conference on Chemical Sciences during 14-18th December 2014, IISC, Bangalore,
8. Ishank Agarwal, Saurabh Gupta, Atul Wankhade, Sangesh Zodape, Umesh R. Pratap. Tungstic acid as an efficient catalyst for the synthesis of benzimidazoles 21st ISCIBs International Conference (ISCIB-2015), 25-28th February 2015, CDRI, Lucknow,

Civil Engineering

Research Publication in International / National Referred Journals.

1. B. Padma S. Rao, S. Nigam, Pankaj Sharma and V. A. Mhaisalkar. "Fuel Chagrining Emissions Patter from Small and Medium Scale Natural Draft Line Kills of India", International Journal of Engineering Sciences and Management, April – June 2014.
2. Vijay, R., Kori, C., Kumar, M., Charkabarti, T. and Gupta, R. "Assessment of traffic noise on highway passing from urban agglomeration", J. of Fluctuation and Noise Letters, 13(4), 1-12. (2014).
3. Rath, S., and Gupta, R. "Location of Sampling Stations for Water Quality Monitoring in Water Distribution Networks", J. Environ. Science & Engg., 56(165-174). (2014).
4. Gupta, R., Lakshmi, Y., and Rath, S. "Linear programming based model for design of looped water distribution networks", J. of Water Resources Engineering and Management, STM, 1(2), 1-10. (2014).
5. Vijay, R., Kumar, M., Shende, V., Charkabarti, T. and Gupta, R. "GIS based noise simulation open source software: N-GNOIS", J. of Fluctuation and Noise Letters, 14(1), 1-12. (2015).
6. Gupta, R., Kakwani, N., and Ormsbee, L. "Optimal upgrading of water distribution network with redundancy", J. of Water Resources Planning and Management, 10.1061/(ASCE) WR.1943-5452.0000434. (2015).
7. Rath, S., and Gupta, R. "A critical review of sensor location methods for contamination detection in water distribution networks", Water Quality Research Journal of Canada, Accepted for publication. (2015).
8. Vijay, R., Sharma, A., Charkabarti, T. and Gupta, R. "Assessment of honking impact on traffic noise in

- urban traffic environment of Nagpur, India", J. of Environ. Health Science and Engg., 13(10), 1-9. (2015).
9. Abdy Sayyed M.A.H., Gupta R. and Tanyimboh, T. "Noniterative application of EPANET for pressure dependent modelling of water distribution systems" Water Resources Management, Accepted for publication (2015).
 10. Yashwant Bhaskar Katpatal, Anil M. Pophare, Bhushan R. Lamsoge, "A groundwater restoration model for over exploited basaltic aquifer and bazada formation in India", Environmental Earth Sciences, (SCI) (2014)).
 11. Bothale, Rajashree and Katpatal, Yashwant. "Spatial and Statistical Clustering Based Regionalization of Precipitation and Trend Identification in Pranhita Catchment, India". *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)*. Vol. 3, Issue 5, May 2014. pp 12557-12567.
 12. Devendra Pandey, Yaswant B. Katpatal, Pradeep P. Kundal, "Natural Disasters Vulnerability Assessment of Gondia District, Maharashtra, India Using DTM & GIS Techniques", IJRET: International Journal of Research in Engineering and Technology ISSN: 2319-1163 ISSN: 2321-7308, Volume: 03 Issue: 09 Sep-2014.
 13. S.V.Muley, Y. B.Katpatal, P.P.Kundal, Y.D. Khare, "Spatial analysis of Impact of orange cultivation over Groundwater regime: A Case Study of Kolar Watershed, Nagpur district, Maharashtra", Paper Accepted for publication in, Photonirvachak. Jour of Ind. Soc. of Remote Sensing, (SCI).
 14. Varsha Mane, YB Katpatal K R Aher, "Spatial verification of SCS methods in correlation to lan and Soil characteristics", International Journal on Recent trends in Science and technology, 2014; 12 (2), 315-322.
 15. J. Iqbal, A. K. Gorai, Y. B. Katpatal, G. Pathak (2014), "Development of GIS-based fuzzy pattern recognition model (modified DRASTIC model) for groundwater vulnerability to pollution assessment", Int. J. Environ. Sci. Technol.(Springer) (SCI). DOI 10.1007/s13762-014-0693-x, Pub online November 11,2014. Impact Factor: 1.792.
 16. Bund Ulhas T, Dube Y.A, Katpatal Y.B, "Spatial analysis including interpolation techniques for holistic groundwater monitoring and management", International Advanced Research Journal in Science, Engineering and Technology, Vol. 1, Issue 4, December 2014, ISSN (Online) 2393-8021, pp 208-213.
 17. Devendra Pandey*, Pradeep Kundal and Yaswant B. Katpatal "Urban Storm Water Management for Gondia City for Sustainable Development Using GIS and Mat Lab", International Journal of Recent Scientific Research Research Vol. 6, Issue, 1, pp.2630-2635, January, 2015.
 18. Lamsoge B R, Katpatal Y B, Pophare A M, "Groundwater Management using MODFLOW Modeling, Gondwana Geol. Mag., Special Volume No. 14, 2014, pp 1-9.
 19. Katpatal Y B, Kundal P., Muley S V (2014) "Relationship of Rainfall pattern with hydrographs of observation wells: A case study of Kolar Watershed, Nagpur District, Maharashtra", Gondwana Geol. Mag., Special Volume No. 14, 2014, pp 21-27.
 20. Tauseef A. Ansari, Y.B. Katpatal, A.D.Vasudeo, (2014) "Study on Impact of Urbanisation on Groundwater Quality of Nagpur City using Remote Sensing and GIS". Journal of Env. Sc. & Engg., Vol. , No. , pp. , Accepted April, 2014.
 21. K. M. Bhartiya, A. D. Ghare. Relative humidity based model for estimation of reference evapotranspiration for western plateau and hills region of India. Water Resources Management, Springer (SCI Expanded), August 2014, Volume 28, Issue 10, pp 3355-3364.
 22. Aniruddha D. Ghare and Avinash M. Badar. Experimental Studies on the use of Mobile Cylinders for Measurement of Flow through Rectangular Channels. International Journal of Civil Engineering, Iran University of Science and Technology (IUST) and Iran Society of Civil Engineers (SCI Expanded),

December 2014, Vol(12), No. 4, Transaction (A) Civil Engineering, pp 504-512.

23. K. M. Bhartiya, A. D. Ghare. Reference evapotranspiration in agro climatic regions of India Proceedings of ICE (Institution of Civil Engineers, UK)- Water Management (SCI Expanded), *January 2015, Vol. 168, Issue 1, pp 37-44*
24. V V Sakhare S P Raut S A Mandavgane R V Ralegaonkar (2014) Development of Sustainable Retrofitting Material for Energy Conservation of Existing Buildings International Journal of Civil Engineering, Iran, Accepted (in Press).
25. Kunal D. Vegad, Mangesh V. Madurwar and Rahul V. Ralegaonkar (2014) Application of AV-ERP system for on-site project monitoring, Construction Innovation: Information, Process and Management, Emerald, Vol. 14 (4), 518-531.
26. Mangesh V. Madurwar, Sachin A. Mandavgane and Rahul V. Ralegaonkar (2014) Development and Feasibility Analysis of Bagasse Ash Bricks, Journal of Energy Engineering, ASCE.
27. Mangesh V. Madurwar, Sachin A. Mandavgane and Rahul V. Ralegaonkar (2014) Use of Bio-Fuel Byproduct Sugarcane Bagasse Ash In Low Density Energy Efficient Bricks, Volume 2, No. 1, International Journal of Construction Materials and Structures, Indian Society for Materials & Structures, IIT, Roorkee, India (PP- 19-27).
28. S.P. Raut, S.A. Mandavgane and R.V. Ralegaonkar (2014) Application of Small-Scale Experimental Models for Thermal Comfort Assessment of Sustainable Buildings, *Transaction A: Civil Engineering*, International Journal of Civil Engineering, Iran, Vol. 12, No. 4, 438-445.
29. Rahul V Ralegaonkar, Vishakha V Sakhare (2014) Development of multi-parametric functional index model for evaluating the indoor comfort in built environment, International Journal of Indoor and Built Environment, Sage Publication, Vol. 23(4) 615-621.
30. Vishakha V Sakhare, Rahul V Ralegaonkar (2014) Indoor Environmental Quality: Review of Parameters and Assessment Models, Architectural Science Review Taylor and Francis, Vol. 57 (2) 147-154.
31. S.P. Raut, S.A. Mandavgane and R.V. Ralegaonkar (2014) Thermal performance assessment of recycled paper mill waste - cement bricks using the small scale model technique, Journal of Energy Engineering, Vol. 140 (4), 04014001.
32. Rahul Ralegaonkar, Murlidhar Kamat, Vaidehi Dakwale (2014) Design Development of Geothermal Cooling System for Composite Climatic Zone In India Journal of Institution of Engineers India Series A, Springer, Volume 95 (3), 179-183.
33. Vaidehi Dakwale and Rahul Ralegaonkar (2014) Development of Sustainable Construction Material Using Construction and Demolition Waste, Indian Journal of Engineering & Materials Sciences. National Institute of Science Communication and information Research (NISCAIR), Volume 21 (4), 451-457.
34. Mangesh V. Madurwar, Sachin A. Mandavgane , Rahul V. Ralegaonkar (2014) Use of Sugarcane Bagasse Ash as Brick Material, Current Science, Indian Academy of Sciences, Volume 107, No. 6, 1044-51.
35. Landge, V.S, Jain, S.S. & Parida, M., "Estimating safety effects of cross-section design for rural two lane road in India" Road & Transport Research, ARRB Australia.
36. Landge, V.S., Jain, S.S., Parida, M., "A Critical Appraisal of Road Traffic Safety Accident Models For Non Urban Highways" Indian Highways, Journal of IRC
37. Varhade R.P., Lataye D.H., Khadse C. Comparative Study on the Performance of Various Electrodes for Removal of COD from Sugar Mill Wastewater, International Journal of Advances in Science and Technology (IJAST) (ISSN 2348-5426) 2014, 223-228.

38. Manoj L. Meshram and Dilip H. Lataye, Adsorption of Methylene Blue Dye onto Activated Carbon Prepared from Pongamia Pinnata Seed, International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 11, November-2014.
39. Ingole Ramakant S. and Lataye Dilip H., Adsorptive Removal of Phenol from Aqueous Solution using activated Carbon Prepared from Babul Sawdust, ASCE Journal of Hazardous, Toxic and Radioactive Waste Management (Accepted for Publication) 2015.
40. Kalpana Singh, Dilip H. Lataye, Kailas L. Wasewar, Adsorption of Fluoride onto Sugarcane Bagasse (Saccharum Officinarum): An Application of Taguchi's Design of Experimental Methodology, Journal of Indian Water Works Association (Accepted for Publication), 2015.
41. John, N.J. and Patel, A. "Utilization Prospects of Coir Fibre and Coir Pith for Improvement of Black Cotton Soils. Indian Journal of Geosynthetics and Ground Improvement, Publisher: International Geosynthetics Society, Vol. 4, No.2, 2015
42. Patel, A. "Fluid-specific studies on percolation through different soilmass." Journal of Environmental Research & Development. Vol. 8, No. 3A, pp751-754, 2014
43. Thanna Chaitanya and Abhay Tawalare (2015) "Program for bridge health monitoring for public works department", Journal of Construction Engineering, Technology and Management, Vol. 5, No. 1, Pg. 38-43.
44. Rushi Nandan and Abhay Tawalare (2015) "Incentive based compensation for Public sector construction projects in India", Research Journal of Social Science and Management, Vol. 4, No. 11, Pg. 103-109.
45. Abhay Tawalare and Satya Saikumar (2014) "Framework for performance evaluation and maintenance decision of pavements", NICMAR Journal of Construction Management, July- September 2014 Vol. XXIX No. III Pg. 35-44.
46. Altaf Usmani, Gopi Kannan, Atul Nanda and Anirban Mandal, (2015) "Analysis and design approach for concrete plugs for underground storage caverns" Practice Periodical on Structural Design and Construction. ASCE. (In production).
47. A.Usmani, A., Nanda, and A. Mandal, S.K. Jain (2014), "Interaction Mechanism between Two Large Rock Caverns" Int. Journal of Geomechanics (ASCE) 10.1061/(ASCE)GM.1943-5622.0000386 , 06014014.
48. Swapnil Wanjari, A.D. Pofale, "Long Term and Short Term Bond strength between Concrete and Reinforcement of PC and PPC mixes by Pullout test", International Journal of Civil Engineering Research, ISSN 2278-3652, Vol 5 , No2 (2014), pp 87-99, 2014.
49. Abhay B. Fulke, K. Krishnamurthi, Manisha D. Giripunje, S. Saravana Devi, and Tapan Chakrabarti (2015). "Biosequestration of carbon dioxide, biomass, calorific value and biodiesel precursors production using a novel flask culture photobioreactor." *Biomass and Bioenergy* 72, 136-142 (Impact Factor: 3.41)
50. Preeti Shrivastava, Priyanka A. Mulay. Pravin K. Naoghare. Methodological and molecular issues involved in assessment of endocrine disruptive potentials of water contaminants: A mini review. IJIET, Volume 5, Issue 1, 2015.
51. Raju R. Yadav, Kanan Krishnamurthi, Ajam Y. Shekh, Sandeep N. Mudliar, Saravana S. Devi, Tapan Chakrabarti (2014) Activity enhancement of carbonic anhydrase in *Chlamydomonas* sp. for effective CO₂ sequestration Clean Technologies and Environmental Policy (available online).
54. Idris Ahmed and A. R. Tembhurkar, "Noise Environment in Cardiac Hospital – A Case Study", Institution of Public Health Engineers, Vol 2014-15 No 2 , 37-41, July 2014.
55. Idris Ahmed and A. R. Tembhurkar, "Assessment of Noise Environment in Cardiac Hospital – A Case Study for an Indian City", Journal of Future Engineering and Technology, Vol 9 No 4 , 32 – 41 May, July 2014.

56. Prateek Kacker and A. R. Tembhurkar, "Development of Risk Assessment Model for an Urban Biomedical Waste Management System" Jour. of Hazardous, Toxic and Radioactive Waste, American Society for Civil Engineers, 2014 (28/10/2014 approved) (In Press).
57. S. V. Dewalkar and Dr. A. R. Tembhurkar "Development of Model based on Life Cycle Assessment for Building" is accepted to publish for Volume-5, Issue-2 of April-2015.
58. S V Dewalkar , A. R. Tembhurkar, D W Gawatre "Environmental Performance Evaluation of Institutional Building Through LCA Model" International Research Journal of Innovative Engineering, Volume1, Issue 3 of March 2015.
59. U.P. Bhautmage, A.R. Tembhurkar, A. Sable, S. Sinha, S. Adarsh, "Carbon Footprint For Transportation Activities Of An Institutional Campus" Journal Of Energy, Environment & Carbon Credits, Vol 5, No 1 (2015) 9-19.

Research Publication in International Conferences / National Conferences

1. S. U. Chaudhari, V. A. Mhaisalkar, Suresh Kumar, A. N. Vaidya. "Laboratory Studies on Remediation of Soils Contaminated with Pesticide (Lindane) Using Soil Washing Techniques" The Seventh International Conference on Environmental Science and Technology sponsored by American Academy of Sciences at Houston, Texas, USA, June 9-13, 2014.
2. Gupta R., Harkutiya, J., Dongre, S., and Ormsbee L. "Fuzzy Analysis of Pressure-Deficient Water Distribution Networks", EWRI World Environment and Water Resource Congress 2014 organised by EWRI, June 1-5, 2014.
3. Dongre, S., and Gupta R. "GA for Optimal Upgrading of Water Distribution Networks for Level-1 Redundancy" EWRI World Environment and Water Resource Congress 2014 organised by EWRI, June 1-5, 2014.
4. Rathi, S. and Gupta R. "Sensor Placement Methods for Contamination Detection in Water Distribution Networks: A Review", WDSA-2014, Bari, Italy, July 14-17, 2014.
5. Abdy Sayyed M.A.H., Gupta R. and Tanyimboh, T. "Modelling Pressure Deficient Water Distribution Networks in EPANET", WDSA-2014, Bari, Italy, July 14-17, 2014.
6. Gupta R., Baby, A., Arya, P.V., and Ormsbee L. "Segment-Based Reliability/Supply Shortfall Analysis of Water Distribution Networks", WDSA-2014, Bari, Italy, July 14-17, 2014.
7. Gupta, R., Burle, Y. L., Abdy Sayyed M.A.H., and Rathi, S. "Comparison of Flow-Distribution Models for Design of Water Distribution Networks with Redundancy ", WDSA-2014 Bari, Italy, July 14-17, 2014.
8. Gupta R., Baby, A., Arya, P.V., and Ormsbee L. "Upgrading reliability of water distribution networks recognizing valve locations", WDSA-2014, Bari, Italy, July 14-17, 2014.
9. Rathi, S. and Gupta R. "Evaluation of various objectives in multi-objective sensor placements in water distribution systems", HYDRO-2014, Bhopal, 185-190, Dec. 18-20, 2014.
10. Gupta R., Vairagade S. A., and Abdy Sayyed, M. A. H. "Methodology for developing node-head-flow relationships for pressure deficient network analysis", HYDRO-2014, Bhopal, 1-9. Dec. 18-20, 2014.
11. Gupta, R. "Flexibility-based design of looped water distribution networks", 47th Annual convention of Indian Water Works Association, 192-199, Jan. 30-Feb.1., 2015.
12. D. M. Bhandarkar, S. S. Rathore & Y.B. Katpatal (2014), Estimation of Runoff for Design of Water Harvesting Ponds in Vertisols of Madhya Pradesh, International Conference on Civil, Mechanical, Biological and Medical Engineering (ICMBME) ISBN: 978-3-642-24819-9, 20th April 2014, Nagpur.
13. Tausif A. Ansari, Katpatal Y B (2014), 'A sustainable Groundwater management in Hard Rock Terrain, using Remote Sensing and GIS for Nagpur Urban Area, Research Scholars Day 20th Sept 2014, VNIT Nagpur TEQIP II.

14. Chandan Kr. Singh, Y.B. Katpatal, Watershed Management by Studying the quantitative parameters using spatial approach, Research Scholars Day 20th Sept 2014, VNIT Nagpur TEQIP II.
15. Yashwant B. Katpatal, Geoinformatics: Technology with potential to convert India into a Developed country, Proceeding of Engineers Forum, Nagpur. Invited article, Sept 2014.
16. Rajashree V. Bothale, Katpatal Y B (2014), 'Dynamics of atmospheric humidity, rainfall and vegetation during El Niño and La Niña years in Pranhita catchment, India', National Seminar on Impact of climate change, Success and challenges in Ocean and atmospheric research. SCOAR, 2014, Vishakhapatnam. 9th – 11th October, 2014.
17. Bothale, Rajashree and katpatal, Yashwant (2014). 'Influence of ENSO on rainfall, streamflow and vegetation in Pranhita catchment, India. ICEST 2014, Conference publication.
18. Bothale, Rajashree and Katpatal YB (2015), Impact of El Niño /La Niña on precipitation and temperature extremes over parts of Central India by. Abstract submitted to Tropmet 2015, Chandigarh.
19. Amol Badukale, M. V. Latkar, "Determination of Water Quality Index of lakes in Nagpur City, Maharashtra", International Conference on Advances in Civil Engineering Systems, Dec. 23-24, 2014, pp 15
20. Avinash M. Badar, Valsson Varghese and Aniruddha D. Ghare. Simulation of Simple Cylindrical Flume in Trapezoidal Channel. International Conference on Hydraulics, Water Resources 'HYDRO 2014', MANIT, Bhopal, Dec 18-20, 2014, pp 453-462.
21. G. Karthik and Rahul Ralegaonkar (2014) Optimization of signal timings at signalized intersections in Indian Scenario, International conference on Transportation Planning and Implementation Methodologies for Developing Countries, IIT, Mumbai, India, December 10-12, 2014.
22. Vishakha Sakhare and Rahul Ralegaonkar (2014) Sustainable Planning Approach for Low Rise LIG Housing Schemes for Indian Climate, International Conference on Sustainable Civil Infrastructure, IIT, Hyderabad Jointly with ASCE, India, October, 17-18, 2014
23. Rahul Ralegaonkar, Mangesh Madurwar, Sanjay Raut, Vaidehi Dakwale and Sachin Mandavgane (2014) Application of solid wastes in sustainable building masonry products: A techno-environmental study, International Conference on Sustainable Civil Infrastructure, IIT, Hyderabad Jointly with ASCE, India, October, 17-18, 2014
24. Jain, S.S., & Parida, M., Landge, V.S "Designing an Information System for Road Traffic Safety Using GIS", Indo_ Australian Conference on IT application in Civil engineering, Organized at IIT Roorkee, Roorkee (Paper accepted)
25. Ingole Ramakant S., Lataye Dilip H., Adsorption of phenol onto low cost adsorbent: optimization of adsorption process parameters. 7th International Conference on Environmental Science and Technology Crowne Plaza, Houston, Texas, USA during June 9-13, 2014 Organized by American Academy of Sciences, USA.
26. Dhorabe Prashant T., Ingole Ramakant S., Lataye Dilip H., Removal of 4-Nitrophenol from Aqueous Solution by Adsorption onto Activated Carbon Prepared from Waste Orange Peels. International Conference on Advances in Civil and Mechanical Engineering Systems, 23-24 December, 2014 Organized by Government College of Engineering, Amravati in association with SVNIT, Surat, India.
27. Ingole Ramakant S., Dhorabe Prashant T., Lataye Dilip H., Adsorptive Removal of Phenol from Aqueous Solution using Orange Peels Activated Carbon. International Conference on Advances in Civil and Mechanical Engineering Systems, 23-24 December, 2014 Organized by Government College of Engineering, Amravati in association with SVNIT, Surat, India.
28. Abhay Tawalare and L. Boeing Singh (2015) "Relational Contracting Philosophy for Challenges of Indian Construction Industry", Proceedings of International Conference on Transportation and Civil Engineering, London, March 21-22, Pg. 8-15.

29. Abhay Tawalare and Ashish Khandelwal (2014) "Multi criteria decision making for pre qualification of contractors in India", International conference on advances in Civil and Mechanical Engineering systems, Government college of Engineering Amravati, 14.
30. Thanna Chaitanya and Abhay Tawalare (2014) "Program for health monitoring of bridge structures in India" COGEE'14, Jaipur Institute of Technology, Jaipur, 29.
31. Mandal, A., Kumar C., A. Usmani., Nanda A (2014). "Geotechnical Monitoring for safe Excavation of Large Cavern: A case Study" 9-11 July 2014, ISARC-2014 Sydney, Australia.
32. S.P.Wanjari, Alex Jose,"Trapezoidal Profile of Resources Histogram for Optimization of Resource Levelling, in proceeding of Project Management Institute, NITIE, Mumbai, dated 13-15 Feb 2015
33. S.P.Wanjari, Jerrel Sabastian, "Partial Replacement of Cement in Geopolymer Quarry rock dust Concrete under different curing conditions, in proceeding of International conference on Transportation and Civil Engineering (ICTCE'15) at London, UK on 21-22 Mar 2015"
34. T.Chakrabarti "Remediation-A business opportunity to renovate and perform value addition to contaminated sites", Paper presented in International Conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences held in February 5-7,2015 at Hotel Centre Point, Nagpur.
35. T.Chakrabarti "Remediation of contaminated sites .Key Note address delivered in CHEMIX '15 (National Conference on Inter- and Intra- Disciplinary Blend of Chemical Engineering).March 28,2015.
36. T.Chakrabarti : "Remedation of contaminated site-setting of risk based remediation goal" Paper presented at the National Seminar on "Science for National Development" SND-2015 held on 14-15 March 2015 at VNIT, Nagpur.
55. Pavan S. Kamble and Dr. A. R. Tembhurkar , Energy Harvesting from Kitchen Waste through Two-chamber Microbial Fuel Cell" 7th International Conference on Environmental Science and Technology, Houston, Texas, USA 9-13th June 2014
56. Salkar V. D., Dr. A. R. Tembhurkar , "An Efficient Up-Flow Filtration For Water Treatment": 47 IWWA Annual Convention 2015, 30th January 2015 to 1st February 2015 at Science City Kolkata
57. A. R. Tembhurkar, Pallavi Khobragade, "Parking Demand Forecast Model for Institutional Campus" International Conference on Transportation and Civil Engineering (ICTCE'15) March 21-22, 2015 London (UK).

Computer Science & Engineering

Research Publications in International / National Referred Journals

1. Narsimha Soora,P.S.Deshpande , "Robust feature extraction technique for license plate characters recognition", IETE Journal of Research(SCI), Vol. 61 , Issue 1 Pages 72-79, January 2015
2. Borkar B.R., Puri Y.M., Kuthe A.M., Deshpande P.S. , "Automatic CNC part programming for through hole drilling", Procedia Materials Science 5 (2014) 2513 – 2521, Science Direct , Elsevier
3. Abhiram Gandhe , P.S. Deshpande, "Use of Non-Topological Node Attribute values for Probabilistic Determination of Link Formation" IJACSA February 2015 (Volume 6 No. 2)
4. Abhiram Gandhe , P.S. Deshpande, IJDE-115 title "Identifying Most Relevant Node Path To Increase Connection Probability In Graph Network" is published in International Journal of Data Engineering (IJDE), Volume (6) : Issue (1) : 2015.

Research publication in international conferences / National Conference

1. Dr. S.A. Raut , Manoj Rewatkar, "Survey on Classification Techniques for Intrusion Detection". Fifth International conference on Communications Security & Information Assurance Habitat World, Delhi, India 24-25 May 2014
2. Dr. S.A. Raut , Manoj Rewatkar , "Survey on Information Hiding Techniques Using QR Barcode", Fifth International conference on Communications Security & Information Assurance, Habitat World, Delhi, India, , 24-25 May 2014

3. Amol Barewar, Mansi A. Radke, U.A. Deshpande, "Geo-skip list - Data structure for storing spatial data and efficient search of geographical locations", ICACCI 2014, Greater Noida, , 24th to 27th September 2014.
4. Ravindra B. Keskar, Umesh Deshpande, Swapnil Kharabe," A Technique to Calculate Cache Related Preemption Delay using Constraints on Non-Nested Preemptions", Elsevier International Conference on Recent Trends in Computing (ICRTC), New Delhi, India. 13-15 March 2015.
5. Diplav Dongre, Gourav Sharma, M.P. Kurhekar, U.A. Deshpande, R.B.Keskar, M.A. Radke, "Scalable Cloud Deployment on Commodity Hardware Using OpenStack", 2nd International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2014), 24-26 June, Kolkata. Best Paper Award.
6. Manish Kurhekar and Umesh Deshpande, "A Deterministic Model of the Adult Subventricular Neurogenesis", Bio-inspired Information and Communications Technologies BICT 2014, Boston, USA, 71-74, Dec 1-3, 2014.
7. M. R. Penurkar, U. A. Deshpande, "CONHIS: Contact history-based routing algorithm for a vehicular delay tolerant network", India Conference (INDICON), 2014 Annual IEEE, December 11-13, 2014, Pune.
8. Jayshilkumar Patel and U.A. Deshpande, "Design and Implementation of Initial VM Placement Technique in OpenStack", First Indian Symposium on Computer Systems (IndoSys'14), June 2014, Bangalore.

Electrical Engineering

Research Publications in International/National Referred Journals

- (1) RashmiKeswani, H. M. Suryawanshi and M. S. Ballal, "Multi-Resolution Analysis for Converter Switch Faults Identification," IET Power Electronics, Accepted, UK (proof reading is over)
- (2) M. S. Ballal, H. M. Suryawanshi and B. N. Choudhari, "Extended Wing Technique Approach for the Detection of Winding Inturn Faults in Three Phase Transformer," Journal of Power Electronics(JPE), Vol. 15, No. 1, pp. 288-297, January 2015, South Korea.
- (3) RashmiKeswani, H. M. Suryawanshi and M. M. Renge, "Wavelet Modulus Maxima for Single Switch Open Fault in Multilevel Inverter," Electrical Power components and Systems (EPCS), Taylor & Francis, Vol.42, No.9, Sept.2014, pp.889-900, USA.
- (4) M. S. Ballal, D. M. Ballal, H. M. Suryawanshi and M. K. Mishra, "Special Protection Scheme at BTPS Power Station", Accepted Journal of Institute of Engineers (IE), *Springer*, India.
- (5) M. S. Ballal, D. M. Ballal. H. M. Suryawanshi and M. K. Mishra, "Corrective Measures for the Effective Load Management and Control under Disturbance at Bhusawal Thermal Power Station: Case Study", Institute of Engineer (IE), *Springer*, India: SeriesB, Volume 95, No.2, *April-June-2014*, pp. 163-173
- (6) T G Arora, Mohan V. Aware and D.R. Tutukane," Fuzzy Logic Based Electro-thermal Life Model for Inverter-Fed Induction Motor insulation", In Journal Electrical Power Components and Systems, 3,2015, Vol. 43, pp.298-308.
- (7) T. G. Arora,*, M. V. Aware, and D. R. Tutakne "Fuzzy logic based electrothermal life model for induction motor insulation under non-sinusoidal voltage and current waveforms" International Journal Electrical Engineering (JEE), Vol. 14, No.3, Sept-2014, pp.1-9. SCOPUS, Impact factor -0.967 (2012).
- (8) Mohan V. Aware and , Nyoman WahyuSatiawan, "Performance comparison of PWM schemes of dual-inverter fed five-phase motors drives", International Journal of Technology [S.I], V.5 , No. 3, (2014) 3, pp.277-286.
- (9) Balakishan, N. Sandeep, and M. V. Aware, "Design and Implementation of Three-Level DC-DC Converter with Golden Section Search Based MPPT for the Photovoltaic Applications," Advances in Power Electronics, vol. 2015, Article ID 587197, 9 pages, 2015.
- (10) B.S.Gajbhiye, M.V.Aware, B.S.Umre and Rajesh Patil, "Single phase to three phase ac matrix

converter for traction drives”, IOSR Journal of Electrical and Electronics Engineering, Vol. 10., issue 2, Ver II, Mar-April 2015, pp.10-18.

- (11) Altaf Q. H. Badar, B. S. Umre and A. S. Junghare, “Improved Dynamic PSO for Optimal Reactive Power Flow Control”, International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, Feb 2015, Vol 3, Issue 2, pp. 40-42.
- (12) Amarendra Matsa, Irfan Ahmed, and Madhuri A. Chaudhari, “Optimized Space Vector Pulse-width Modulation Technique for a Five-level Cascaded H-Bridge Inverter”, JPE, vol. 14, no. 5, pp.937-945, Sep 2014.
- (13) A.S.Werulkar, P.S.Kulkarni, “Energy Analysis of Solar Home Lighting System with Microcontroller based charge controller” Journal of Solar Energy Engineering, Transactions of ASME, Vol 136, pp 031010-1-031010-9, August 2014.
- (14) Piyush M. Khadke, Aditya S. Tohare, Dr. N. R. Patne, G. A. Shinde .Fixed Series Capacitors for Increased Power Transmission Load ability of 400 KV Raipur – Wardha Corridor, IJSRD - International Journal for Scientific Research & Development| Vol. 2, Issue 01, 2014
- (15) M.P.Thakre, V.S.Kale, “Effect of static var compensator on the performance of digital distance relay protection of transmission line, The Journal of CPRI, Vol. 10, No. 4, December 2014, pp.1-12.

Research Publication in Internal Conferences / National Conference

- (1) Snehal Pachpor and H. M. Suryawanshi, “Design of DC-DC Converter for Integration of Sources,” IEEE international conference – PEDES-2014, 15 – 19 Dec 2014, IIT Mumbai, India
- (2) A. B. Shitole, H. M. Suryawanshi, Shelas Sathyan and M. M. Renge, “A Control Technique of Five-Level Diode Clamped Inverter for Integration of Distributed Generation Units to Utility Grid,” 40th Annual IEEE Industrial Electronics Society Conference, Dallas, TX, USA, 29th Oct-1st Nov.2014.
- (3) Shelas Sathyan, H. M. Suryawanshi and A. B. Shitole, “Soft Switched Coupled Inductor based High Step Up Converter for Distributed Energy Resources,” 40th Annual IEEE Industrial Electronics Society Conference, Dallas, TX, USA, 29th Oct-1st Nov.2014.
- (4) V. K. Dubey, Ankit Singhal and Suryawanshi H. M, “High efficient AC/DC Converter For micro-hydro-power plant for DC grid,” IEEE Conference on Recent Advances and Innovations in Engineering (ICRAIE), India, pp. 1 – 5, 2014.
- (5) V. K. Dubey, Ankit Singhal and Suryawanshi H. M, "Stability of synchronous reference frame-phase locked loop for grid-connected inverter ,” IEEE Conference on Recent Advances and Innovations in Engineering (ICRAIE), India, pp.1-5, 2014.
- (6) Khaliqur Raheman. M.V.Aware, Atif Iqbal, “Common-mode voltage control through vector selection in three-to-five phase matrix converter” IEEE ISIE 2014, ISTABUL, Turkey.
- (7) Nyoman Wahyu Satiwan and Mohan V. Aware, “Performance comparison of PWM schemes of dual-inverter fed five-phase motors drive”, Indonesia 2014.
- (8) T.A.Arora and M.V.Aware, “Fuzzy Logic Based Design of Experiments Method to Extract the Main Effect Parameter for Insulation Aging in Phase Angle Controlled Induction Motor” *Published in* Hong Kong International Conference on Engineering and Applied Science (HKICEAS 2014).
- (9) Pandya Mahesh and Aware Mohan, “A new algorithm for energy storage integration with radial distribution feeder” IEEE International conference on PEDES, 2014. Dec 16-19 IIT Mumbai.
- (10) Jay J. K. , Sakthisudhursun B. and Aware M. V. “PR controller implementation using double update mode digital PWM for grid connected inverter” IEEE International conference on PEDES, 2014. Dec 16-19 IIT Mumbai.
- (11) Tatte Yogesh and M.V.Aware, “Torque ripple reduction in five-phase direct torque controlled induction motor” IEEE International conference on PEDES, 2014. Dec 16-19 IIT Mumbai.
- (12) A. S. Chopde, Jonthan Laldinglana, A. S. Junghare and M. V. Aware, “ hardware in loop real time implementation of fractional order PID controller on magnetic levitation system” In Proc. of 3

rdNational Symposium on Advances in Control & Instrumentation (SACI2014) BARC Mumbai pp.81-88,24-26 Nov. 2014.

- (13) S. W. Khubalkar, A.S. Junghare and M. V. Aware, "Design of fractional order PID controlled permanent magnet brushless Dc motor drive" In Proc. of 3rd National Symposium on Advances in Control & Instrumentation (SACI2014) BARC Mumbai pp.89-96,24-26 Nov. 2014.
- (14) J. S. Bhonsle, A.S. Junghare, "Application of MCDM - AHP Technique for PMU Placement in Power System", IEEE International Conference on Computational Intelligence & Communication Technology, ABES Engineering College, Ghaziabad PP. 513-517, 13 Feb - 14 Feb 2015.(Available on ieeexplore)
- (15) Altaf Q. H. Badar, Dr. B. S. Umre, Dr. A. S. Junghare, "*Reducing Variable Trend Search Algorithm for Optimizing Non Linear Multidimensional Space*", IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014), Dr. VirendraSwarup Group of Institutions, Unnao, India, August 01-02, 2014. (Available on ieeexplore)
- (16) A. S. Chopade, Jonathan, A. S. Junghare and M. V. Aware, "Hardware in loop real time implementation of Fractional order PID Controller on Magnetic Levitation System," In proceedings of 3rd National Symposium on Advances in Control & Instrumentation (SACI-2014), BARC, Mumbai, 24-26 November, 2014.
- (17) S. W. Khubalkar, A. S. Junghare and M. V. Aware, "Design of Fractional order PID controlled Permanent Magnet Brushless DC motor drive," In proceedings of 3rd National Symposium on Advances in Control & Instrumentation (SACI-2014), BARC, Mumbai, 24-26 November, 2014.
- (18) S. W. Khubalkar, A. S. Junghare and M. V. Aware, "Application of fractional order PID controller," Presented a poster on Research Scholars Day, VNIT, Nagpur, 20th September, 2014
- (19) Bhaskararao Nandam, M. A. Chaudhari, "Implementation of FOC control for PMSM Motor using IPM and MICRO-2812" International conference CCEEDS 2015, Andhra Pradesh India, 28th to 30th March 2015, sponsored by IEEE, Springer.
- (20) Salodkar P, Sandeep N, Kulkarni P.S. and Udaykumar R.Y., "A Comparison of seven-level inverter topologies for multilevel DC-AC power conversion", IEEE International Conference On Power Electronics Drives and Energy Systems, PEDES 2014, 16-19 December 2014, IIT Bombay, Mumbai, India, pages 1-6.
- (21) Sandeep N, P. S. Kulkarni and Udaykumar R.Y., "A Single-Stage Active Damped LCL-Filter- Based Grid-Connected Photovoltaic Inverter with Maximum Power Point Tracking", 18th National Power Systems Conference, Department of Electrical Engg., IIT Guwahati, Dec. 18-20, 2014.
- (22) P. A. Venikar, M. S. Ballal, B. S. Umre, "Negative Sequence based Relay Operate Area Approach to detect Transformer Inter-turn Fault", IECON 2014, The 40th Annual Conference of the IEEE Industrial Electronics Society, from October 29 to November 1, 2014 at Dallas, TX, USA.
- (23) P. A. Venikar, M. S. Ballal, B. S. Umre, H. M. Suryawanshi "Search Coil based Transformer Inter-turn Fault Detection", 18th National Power System Conference (NPSC -14) from 18 to 20th December 2014 at IIT Guwahati, Assam.
- (24) B S Umre, V Rajesh, U Vijitha, D KoteswaraRaju, ArchanaPatil, "Stability Analysis of SMIB System Incorporating the Genetic Algorithm based TCSC Controller" CCEEDS 2015, 1st International Conference on Computing, Communication, Electrical, Electronics, Devices and Signal Processing, from 28th to 30th March, 2015, at Sri Sunflower College of Engineering and Technology, Lankapalli (Vijaywada)- Krishna District, AP.
- (25) Pranoti Raut, Nita R Patne, Arvind R. Singh, "Application and Simulation of the Active Fault Current Limiter" International Conference IEEE SPICES in Feb. 2015, NIT Calicut.
- (27) Sanjeev Gokhale, Vijay Kale, "Application of The Firefly Algorithm to Optimal Over-Current Relay Coordination", 14th International Conference on Optimization of Electrical And Electronic Equipment, Romania, May 2014, pp. 150-154.

Electronics and Communication Engineering

Research Publication in International / National Referred Journals.

1. R. Sutar, A. Kothari "Intelligent ECG Pattern Classification and Recognition Using Low Cost Cardio-Care System" IET Science, Measurement & Technology (accepted and due for publication.)
2. V. R. Satpute, K. D. Kulat, Avinash G. Keskar, "A Novel Approach Based On 2d - Dwt And Variance Method For Human Detection And Tracking In Video Surveillance Applications" International Journal of Advance Research In Science And Engineering (IJARSE)", Vol.3, Issue-7, July 2014
3. V. R. Satpute, K. D. Kulat, A. G. Keskar, "Comparative analysis of video compression mechanisms using 3D-DWT based video encoding along with EZW" International Journal of Computational Vision and Robotics, in Printing press.
4. J Sengupta, G. C. Ghivela, A V Gajbhiye, B Jothe, M Mitra, "Temperature dependence of 4H-SiC IMPATT Diode at Ka band", International Journal of Electrical, Electronics and Computer Systems ,Vol.19, Issue-2, April 2014.
5. J Sengupta, Girish Chandra Ghivela, A V Gajbhiye and M Mitra, " Measurement of Noise and Efficiency of 4H-SiC IMPATT diode at Ka-band" Accepted in International Journal of Electronics(SCI Journal) .
6. J. Sengupta, A.V.Gaibhiye and M Mitra, " Series Resistance of DDR 4-HSiC Impatt Diode at Ka Band", IJSAT, Vol-4, Issue-4, pp.24-28, April 2014.
7. V. Kumar, S. B. Dhok, R. Tripathi, S. Tiwari, "A Review Study on Analytical Estimation of Optimal Number of Clusters in Wireless Sensor Networks" Transactions on Networks and Communications, vol.2, issue 5, pp.75-103, Nov. 2014.
8. V. Kumar, S.B. Dhok, R.Tripathi, S. Tiwari "Cluster Size Optimization in Gaussian Distributed Wireless Sensor Networks" International Journal of Engineering and Technology (IJET), vol.6, Issue 3, pp. 1581-1592, Oct.2014.
9. V. Kumar, S. B. Dhok, R. Tripathi, S. Tiwari "A Review Study of Hierarchical Clustering Algorithms for Wireless Sensor Networks" IJCSI International Journal of Computer Science Issues, Vol. 11, Issue 3, No 1, May 2014

Research Publication in International Conferences / National Conferences

1. N.Bokde, A.Gupta, P.Peshwe and K.kulat,"A novel technique for remotely visualizing connectivity in WSN working on a weighted based routing algorithm". National conference on recent advances in electronics and computer engg., IIT Roorkee.
2. A.Gupta, V.Satpute, K.Kulat, N.Bokde," Real Time abandoned object detection using video surveillance". International conference on recent Congnigence in Wireless Communication and Image Processing.
3. S.Kumar, K.Kulat, S.Kale, "A Slotted circular UWB antenna for spectrum sensing in Cognitive Radio". International conference on telecommunication technology and management, IIT Delhi.
4. P. H.Ghare, A.G.Kothari, "Interference issue in Machine to machine communication for Healthcare", 4th international conference CECNet 2014, Beijing China, 12- 15th DEC. 2014
5. V. K. Jain, A S Gandhi, "An architecture for implementation of IEEE1588v2 over MPLS/MPLS-TP networks", International Conference on Communication Systems and Network Technologies, (CSNT-2014), Bhopal 7th April'2014.
6. N. A. Kumar, A.S. Gandhi, " Modified Structure of Yagi-Uda with Improved Gain and Bandwidth at 866 MHz", proceedings of SCES-14, 28-30 May 2014, MNNIT Allahabad.
7. N.A. Kumar, V. Bankey, A. S. Gandhi, K.D. Kulat, "Narrow Band Slotted Microstrip Patch Antenna with Very Less Return Loss at 2.4 GHz", proceedings of IEEE Indian antenna week, 26-28 May 2014.
8. V. Bankey, N. A. Kumar, K. D. Kulat, A. S. Gandhi. "Dual Narrow Band Design of Rectangular Ring

- Slot Antenna for 2.4/5 GHz Wireless Communication", proceedings of IEEE Indian antenna week, 26-28 May 2014.
9. T V. S. Gupta, Ch. Naveen , V.R. Satpute, A.S. Gandhi," Image Security Using Chaos and EZW Compression ",Proceedings of SCES-14,published in IEEE Xplore,28-30 May 2014, MNNIT Allahabad.
 10. C. Waghmare, A.G.Kothari, "Spanner Shaped Ultra Wideband Patch Antenna",IEEE Students Conference on Engineering and Systems (SCES) (SCES-14)28 May - 30 May 2014 at MNNIT, Allahabad.
 11. Chetan Waghmare, Dr. A.G. Kothari,"Spanner Shaped Ultra Wideband Patch Antenna " , SECS-2014, MNNIT Allahabad May 28-30, 2014
 12. Nandakumar, A.G.Kothari "Re- Configurable RF front End Design for Cognitive Radio", ICACCI International Confrence on Advance computation communication & informatics, Noida, , 24-27 sept. 2014
 13. M. Stanley, C. Waghmare, A.G. Kothari "Ultra Wide Band Spectrum Monitoring using Spanner Shaped UWB patch Antenna and Energy Detection Algorithm" IEEE, Indian Antenna Week with NITTTR 26-30 May, 2014 Chandigarh, India
 14. M. Stanley, A.G. Kothari, Mr. Abhay Samnat, "Performance comparison Cyclostationary sensing and Covariance based sensing for spectrum sensing and Cognitive Radio", IEEE,Indian Antenna Week with NITTTR 26-30 May, 2014 Chandigarh, India
 15. M. Stanley, A.G. Kothari "Reconfigurable Planar inverted F antenna for Cognitive Radio & Mobile Systems", IEEE, Indian Antenna Week with NITTTR 26-30 May, 2014 Chandigarh, India
 16. Book Chapter: S Bharambe, R Tahkker, H Patil, K M Bhurchandi, "Substitute eyes for blind with Navigator using Android" Edited by C P Ravikumar, CU Press, 2014
 17. A.G.Keskar "Computer vision based inspection and detection of railroad tracks" at International Conference of Circuit Systems Signal Processing Venice , Italy during 15-17 March.
 18. T. Venkata Sainath Gupta, Ch. Naveen, Vishal R. Satpute, A.S. Gandhi, "Image Security using Chaos and EZW Compression", Conference on Engineering and Systems (SCES), 2014 Students, May 28-30, 2014, MNNIT Allahabad.
 19. P. P. Gangal, V. R. Satpute, Kishor D. Kulat, Avinash G. Keskar, "Object Detection and Tracking using 2D-DWT and Variance Method", Conference on Engineering and Systems (SCES), 2014 Students, May 28-30, 2014, MNNIT Allahabad.
 20. Parul Sahare, V. R. Satpute, S. B. Dhok, "Comparative Analysis of Time Elapsed & PSNR Calculations for Encoder and Decoder in Video Codec(s) for Different Video Formats", Conference on Engineering and Systems (SCES), 2014 Students, May 28-30, 2014, MNNIT Allahabad.
 21. Vishal R. Satpute, Kishor D. Kulat, Avinash G. Keskar, "A Novel Approach based on 2D - DWT and Variance Method for Human Detection and Tracking in Video Surveillance Applications", International Journal of Advance Research In Science And Engineering, IJARSE, Vol. No.3, Issue No.7, July 2014, ISSN-2319-8354(E).
 22. Ch. Naveen, Vishal R. Satpute, Kishor D. Kulat, Avinash G. Keskar, "Comparison of 3D-DWT Based Video Pre-Post Processing Techniques", Proceedings of the World Congress on Engineering and Computer Science 2014 Vol I WCECS 2014, 22-24 October, 2014, San Francisco, USA.
 23. V. R. Satpute, A. G. Keskar, K. D. Kulat,, "Comparative Analysis of Video Compression Mechanisms using 3D-DWT with EZW", 9th IEEE International Conference on Industrial and Information Systems (ICIIS2014), 15-17 December 2014.
 24. V.R. Satpute, A. G. Keskar, K. D. Kulat, "A Novel Approach Based On 2D - DWT and Variance Method for Human Detection and Tracking in Video Surveillance Applications", 9th IEEE International

Conference on Industrial and Information Systems (ICIIS2014), 15-17 December 2014.

25. Ch. Naveen, Vishal R. Satpute, Kishor D. Kulat, Avinash G. Keskar, "Comparative Analysis of Video Compression Techniques involving EZW Encoded 3D-DWT with AVI", IEEE International Symposium on Signal Processing and Information Technology December 15-17, 2014 - Jaypee Institute of Information Technology, Noida, India.
26. Ch. Naveen, T. Venkata Sainath Gupta, Vishal R. Satpute, A.S. Gandhi, "A Simple and Efficient Approach for Medical Image Security Using Chaos on EZW", Eighth International Conference on Advances in Pattern Recognition during January 04-07, 2015, ISI Kolkata.

Humanities and Social Sciences

Research Publication in International / National Referred Journals.

1. Dr. G. N. Nimbarte, "Status, Structure and Composition of Rural Poverty in India" Article Published in International Journal of Advance Research in Science & Engineering (IJARSE-ISSN2319-8354, Impact Factor-1.142, Volume 03/Issue 08, August 2014
2. Dr. G. N. Nimbarte, "Social Entrepreneurship-Tool to use for Improvement in the Society" Article Published in International Journal of Development Research (IJDR-ISSN2230-9926, Impact Factor-0.471, Volume 04/Issue 08, (Current Issue), Page No.1623-1624, August, 2014.
3. Dr. G. N. Nimbarte, "Child Labour Problem In India", Article Published in International Journal of Engineering, Technology, Management and Applied Sciences (Indexed in Dictionary of Indexing and Impact Factor, ISSN 2349-4476, Impact Factor-2.24, Volume 03/Issue 03, March, 2015 on

Research Publication in International Conferences / National Conferences

International conferences-(04)

1. Dr. G. N. Nimbarte, Participated with paper presentation in '40th All India Sociological Conference organized by Mahatma Gandhi Kashi Vidyapith, Varanasi.' The title of paper was "The Role of Education for Improvement the Standard of Society in Current Scenario" during 29th -1st December, 2014. (Abstract Published in Conference Proceeding and paper presented in RC-05)
2. Dr. G. N. Nimbarte, Participated with paper presentation in Interdisciplinary International Conference on "Ageing Through the Ages: From Past to Present and Future" organized by 'Dept. of Sociology, RTM, Nagpur University' on 5th & 6th December, 2014. The title of paper was 'Attitude of Family, Community and Society Towards Elderly'.
3. Dr. G. N. Nimbarte, Participated with paper presentation in 2nd International Interdisciplinary Conference on "Inequality, Vulnerability and Violence" organized by 'IPRA' collaboration with 'Vasantarao Naik Government Institute of Social Sciences, Nagpur' on 1st Feb, 2015. The title of paper was 'Gender Bias, Decline Sex Ratio and Women Empowerment'.
4. Dr. G. N. Nimbarte, Participated with paper presentation in 2nd International Conference and Doctoral Colloquium on "Transformative Social Science Research: Disciplines, Collaborations & Think Tanks" organized by 'The Institute of Public Enterprise, Hyderabad' collaboration with 'Indian Council of Social Science Research, Association of Indian University, UGC, The Indian Institute of Public Administration' on 3rd & 4th March, 2015. The title of paper was 'Poverty: Main Social Problem of India Today'

Applied Mathematics

Research Publication in International / National Referred Journals.

1. G. P. Singh and Binay Kr. Bishi, FRW Universe with Variable G and terms in $f(RT)$ Gravity, Romanian Journal of Physics, Vol.60, pp32-41, January 2015.
2. R. Nageshwar Rao, P. Pramod Chakravarthy: A fitted Numerov method for singularly perturbed

- parabolic partial differential equation with a small negative shift arising in control theory, *Numerical Mathematics: Theory, Methods and Applications*, Vol. 7 (2014), No. 1, pp. 23-40.
3. R. Nageshwar Rao, P. Pramod Chakravarthy: An Exponentially Fitted Tridiagonal Finite Difference Method for Singularly Perturbed Differential-Difference Equations with Small Shift, *Ain Shams Engineering Journal*, (2014) 5, 1351–1360.
 4. K. Ramesh and M. Devakar, Effects of heat and mass transfer on the peristaltic transport of MHD couple stress fluid through porous medium in a vertical asymmetric channel, *Journal of Fluids*, Volume 2015, Article ID 163832, 19 pages, (2015) (Hindawi).
 5. M.Devakar, D.Sreenivasu, B.Shankar, “Analytical solutions of couple stress fluid flows with slip boundary conditions”, *Alexandria Engineering Journal*, Volume 53 (3), pp. 723-730, 2014 (Elsevier)
 6. M.Devakar, D.Sreenivasu, B.Shankar, “Analytical solutions of some fully developed flows of couple stress fluid between concentric cylinders with slip boundary conditions”, *International Journal of Engineering Mathematics*, Volume 2014, Article ID 785396, 13 pages, (2014) (Hindawi)
 7. K. Ramesh and M. Devakar, “The influence of heat transfer on peristaltic transport of a magnetohydrodynamic second grade fluid through porous medium in vertical symmetric and asymmetric channels”, In Press, *Journal of Applied Fluid Mechanics (SCI)*.
 8. K. Ramesh and M. Devakar, Magnetohydrodynamic peristaltic flow of Pseudoplastic fluid in a vertical asymmetric channel through porous medium with heat and mass transfer, Accepted for publication in *Iranian Journal of Science and Technology (Sciences) (SCI)*.
 9. M. Devakar and N.Ch. Ramgopal, Fully developed flows of two immiscible couple stress and Newtonian fluids through non-porous and porous medium in a horizontal cylinder, Accepted for publication in *Journal of Porous Media (Begell House) (SCI)*.
 10. K. Ramesh and M. Devakar, Peristaltic transport of MHD Williamson fluid in an inclined asymmetric channel through porous medium with heat transfer, Accepted for publication in *Journal of Central South University (Springer) (SCI)*.
 11. G. Naga Raju et. al., Spectral element method for elliptic equations with periodic boundary conditions., *Applied Mathematics and Computation*, Vol. 246, pages 426–439, 2014.
 12. Mishra, S. N.; Pant, Rajendra; Stofile, S. Coincidence and common fixed point theorems in normed Boolean vector spaces. *J. Nonlinear Convex Anal.* 15(2014), no. 6, 1215--1220. MR3293889 [SCI]
 13. Mishra, S. N.; Pant, Rajendra. Some fixed point theorems in generalized ultrametric spaces. *Indian J. Math.* 56 (2014), no. 2, 189--196. MR3235383\
 14. P. Roul, U. Warbhe, A novel Approach and its convergence for numerical solution of nonlinear doubly singular boundary value problem, accepted for publication in *J. Computational & Applied Mathematics*, Elsevier.
 15. R.P. Gupta, Malay Banerjee and Peeyush Chandra, Period doubling cascades of prey-predator model with nonlinear harvesting and control of over exploitation through taxation, *Commun. Nonlinear Sci. Numer. Simul.* (Elsevier), 19 (2014), 2382-2405, Impact factor-2.773, Citations-1, SCIE- Journal (International).
 16. R. P. Gupta, Peeyush Chandra and Malay Banerjee, Dynamical complexity of a prey-predator model with nonlinear predator harvesting, *Discrete Contin. Dyn. Syst. Ser. B*, (AIMS), 20:2 (2015), 423-443, Impact Factor: 0.937, SCIE- Journal (International).
 17. D. Gopal, C. Vetro, M. Abbas, D.K. Patel, “Some coincidence and periodic points results in a metric space endowed with a graph and applications”, *Banach Journal of Mathematical Analysis*, Vol. 9, Issue 3, pp.128-139, December-2015.

Mechanical Engineering.

Research Publication in International / National Referred Journals.

1. Shrivastava N. K, Dr. S B Thombre, Wasewar K. L, “ a real time simulating non isothermal model for passive DMFC” International journal of green energy, doc.org/10.1080: 115435075.2014.916220
2. Shrivastava N. K, Dr. S B Thombre, Wasewar K. L Wire Mesh current collectors for passive direct methanol fuel cells, Journal of power sources Vol.272.2014 pg. 6.29 – 6.38
3. Shrivastava N. K ,Dr. S B Thombre, Wasewar K. L ”Effect of diffusion layer compression on passive DMFC performance” Electrochimica Acta , <http://dx.doi.org/10.1016/j.electacta.2014.10.080>
4. Shelke R. S, Dr.Thombre S.B, Patrikar S.R, “Cobalt sulphate as alternative counter electrode Material in Dye sensitized solar cells” ,ASME Journal of solar energy engineering ,vol.136(4),2014
5. Dr. A Chatterjee and S B Ingole, Structural joint modelling and Identification: Numerical and experimental investigation, in structural engineering and Mechanical Journal vol.53, no.2, 2015, pp373-392
6. Dr. A Chatterjee, Analytical and Numerical analysis Investigation of mistuned Turbine Blade packet due to damaged lacing wire, International journal of acoustics and vibration.
7. Atul Andhare and Jithin E. V., “Analysis of Wire Vibration in Wire Electric Discharge Machining Process”, Accepted for Journal of Vibration Engineering and Technologies.
8. Atul Andhare and Sandeep Parida, “Cost Optimization of Supply Chain Network: A Case Study of TMT Bar Manufacturing Company”, International Journal of Research and Innovations in Science and Technology, Volume 1: Issue 1: 2014, 42-48.
9. Dr. J G Suryawanshi, “Oil extraction, Biodiesel production and CI Engine investigation using MIME”, International Journal of Engineering Research and Application.ISSN: 2248-9622.
10. P.R.Ghodke and J.G.Suryawanshi,“Potential of Combustion Chamber design for clean combustion”,F2014-(ET-11) FISITA world automotive congress, Netherlands, 2-6 June 2014.
11. P.R.Ghodke and J.G.Suryawanshi, “Simultaneous reduction of NOx and PM emission through Low temperature EGR cooling in diesel engine”. SAE paper No 2014-10-13,SAEinternational powertrain ,Fuels and lubricant ;20-23 Oct 2014 UK.
12. P.R.Ghodke and J.G.Suryawanshi, “Investigation of multi-cylinder diesel Engine to meet Future Indian emission norms”. Iranian Journal of science and Technology, Transaction of Mechanical Engineering 2014 volume 38 CSCI Journal.
13. Dr. V R Kalamkar, “A comprehensive review on biomass cookstove and a systematic approach for modern cook stove design”, Renewable and sustainable Energy reviews, 30 (2014) 580-603
14. C.D. Kuthe, R.V. Uddanwadiker and A. Ramteke, “Experimental Evaluation of Fiber Orientation Based Material Properties of Skeletal Muscle in Tension” Journal of Molecular & Cellular Biomechanics, Vol.11, No.2, pp. 113-128, 2014
15. Rashmi Uddyanwadikar and P.M. Padole, “Effect of Flexi-posts on Stress Distribution of Restored Tooth”, International Journal of Engineering Research & Technology, Vol.3, Issue 5, May 2014
16. C.D. Kuthe, R.V. Uddanwadiker, P.M. Padole and A. Ramteke, “Mathematical model for skeletal muscle to simulate the concentric and eccentric contraction” Journal of Molecular & Cellular Biomechanics, (Accepted for publication) 2015
17. Andulkar, M., and Chiddarwar S.S., Novel integrated offline trajectory generation approach for robot assisted spray painting operation, Elsevier Journal of Manufacturing Systems, 2015 (Accepted) (I.F. 1.858), ISSN 0278-6125.

18. Andulkar, M., and Chiddarwar S.S., Incremental approach for trajectory generation of spray painting robot, Emerald Journal of Industrial Robot, volume 42, issue 3, 2015, (I.F. 0.633), ISSN 0143-991x.
19. Prof. M S Kotambkar, "Analytical and Numerical analysis Investigation of mistuned Turbine Blade packet due to damaged lacing wire, International journal of acoustics and vibration" Vol 2015 Hindawi Publication.
20. Prof. D A Jolhe, and Subash Babu, A. (2014) 'A structured approach to prioritise critical-to-customer-satisfaction attributes of consumer durable products', Int. J. Business Innovation and Research, Vol. 8, No. 6, pp.634–670.
21. Prof. D A Jolhe and Subash Babu A. (2014), 'Modifications in interpretive structural modelling methodology to enhance its applicability in group decision process and power of discrimination', Int. J. Business Excellence, Vol. 7, No. 3, pp.281–348.
22. B. R. Borkar, Y. M. Puri, "Automatic extraction of machining features from prismatic parts using step for downstream applications", Journal of the Institution of Engineers (India), 7th Feb 2015
23. A. A. Thakre, "Prediction of erosion of polyetherimide and its composites using response surface, surface Methodology" ASME Journal of Tribology, Jan 15, vol 137/011603-1
24. A. A. Thakre, Animesh Thakur, "Study of behavior of aluminium oxide nanoparticles suspended in SAE20W40 oil under extreme pressure lubrication", EMERALD Journal of Industrial lubrication and Tribology. vol-67-issue 4
25. C.P Dewangan and A. K. Singh "Ergonomic study and design of the pulpit of a wire rod mill in an integrated steel plant," Journal of Industrial Engineering, Volume 2015, Article ID 412921, 11 pages, January-2015. <http://dx.doi.org/10.1155/2015/412921>

Research Publication in International Conferences/National Conferences

1. Atul Sane, P.M. Padole, Abhishek Kulkarni, "Analysis of composite laminate through experimental and analytical method", International Conference on Advances in Civil, Structural and Mechanical Engineering, Nagpur, June 2014.
2. N.G. Thangan, A.B. Deoghare, P.M. Padole, "Assessment of fluid flow hydrodynamics for cylindrical and conical fluidized bed reactor", International Conference on Materials Engineering and Technology, London, September 2014.(Accepted)
3. Dr. A Chatterjee, Dynamic analysis of beam under moving mass with Different velocity for Damage Assessment, National Seminar on Aerospace Structures, VNIT Nagpur, Dec 2014
4. Atul Andhare and Manish Kumar Verma., "Modeling and Dynamic Force Simulation for Detection of Profile Error in Spur Gear Pair", Proceedings of the Tenth International Conference on Vibration Engineering and Technology of Machinery, VETOMAC – X, University of Manchester, Manchester, UK, September 2014, 1091-1100.
5. Atul Andhare and Prasad Kane, Gear fault diagnosis using ANN", International Conference on Advances in Design & Manufacturing, ICAD&M-14, NIT Trichy, 5-7 Dec. 2014, v4, 1729-1733.
6. Neelesh Sahu and Atul Andhare, "Optimization of surface roughness in turning of Ti-6Al-4V using Response Surface Methodology and TLBO", accepted for ASME international conference IDETC/CIE 2015 to be held in Boston, USA in August 2015.
7. Dr. Y M Puri, Effect of welding heat on microstructure of ferritic stainless-steel 409M, International conference Eurocorr Pisa, Italy 8-12 sept 2014
8. Dr. J G Suryawanshi, Investigation on PCCI Engine Investigation using early injection of diesel fuel, FMFP 2014 IIT Kanpur
9. Dr. J G Suryawanshi, CFD analysis of air Fuel mixture in carburetor "FMFP 2014, IIT Kanpur"

10. G.E.Bhigade and J.G.Suryawanshi, "Investigation a premixed charge compression ignition Engine with early Injection of diesel fuel".FMFP 2014,13-15Dec,2014,IIT Kanpur
11. G.E.Bhigade Neeraj Sunheria and J.G.Suryawanshi, "CFD analysis of air fuel mixing in carburetor".FMFP 2014,13-15 Dec 2014,IIT Kanpur
12. Dr. V R Kalamkar, Numerical Analysis of Tandem Airfoils for Subsonic Axial-Flow Conference Blade" Published in ASME GTIndia Conference
13. Dr. V R Kalamkar, Experimental and Numerical Analysis of jet impingement Heating on cylindrical body" Published and presented in International conference on advances in Mechanical Engineering at COEP pune
14. Dr. V R Kalamkar, Numerical investigation of fouling in cross flow heat exchanger with corrugated tubes, Proceedings of 5th International and 41st National Conference on Fluid Mechanics and Fluid Power, December 12-14, 2014, Indian Institute of Technology Kanpur.
15. Dr. V R Kalamkar, Numerical simulation of solar chimney power plant. Proceedings of 5th International and 41st National Conference on Fluid Mechanics and Fluid Power, December 12-14, 2014, Indian Institute of Technology Kanpur.
16. Dr. V R Kalamkar, Experimental & Numerical simulation of flow and heat transfer from multi jets impinging on plates. ", Proceedings of 5th International and 41st National Conference on Fluid Mechanics and Fluid Power, December 12-14, 2014, Indian Institute of Technology Kanpur.
17. Dr. V R Kalamkar, Simulation of drag reduction on hypersonic vehicles. Proceedings of 5th International and 41st National Conference on Fluid Mechanics and Fluid Power, December 12-14, 2014, Indian Institute of Technology Kanpur.
18. Chetan D. Kuthe, R.V. Uddanwadiker, "Anisotropic Properties of skeletal muscle: In vitro", International Conference on Computational & Experimental Engineering and Sciences, Changwon, Korea, June 12-17 2014.
19. Abhishek Thote, Dr. Rashmi Uddanwadiker, "Simulation and Analysis of Leg Length Discrepancy (LLD) and its effect on muscles", National Conference on Present Scenario and Future Trends in Biomedical Engineering and Healthcare Technologies, School of Biomedical Engineering, IIT (BHU), Varanasi, India, pp. 17-18 October, 2014
20. Rashmi Uddanwadikar, "Evaluation of Torsional Strength of Ceramic Brackets Products by Arch Wire Twisting Moment", International Conference on Advanced in civil, Structural and Mechanical Engineering, Nagpur, June 2014
21. Thakker, R., Kamat, A., Bhrambhe, S., Chiddarwar, and S.S., Bhurchandi, K. M., (2014) ReBiS – Reconfigurable Bipedal Snake Robot, IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014), Chicago, September 2014.
23. Jaiswal Ankur and Jawale H P,-Optimal Synthesis of four bar planer mechanism with four precision points. International conference on theoretical, Applied, Computational, and Experimental mechanics, dec-29-31, 2014, IIT Kharagpur
21. H. P. Jawle and Rahul Singh, Analysis of welded Joint under residuel stresses, proceedings of the ASME 2014 International Mechanical engineers congress and exposition, IMECE 2014, nov 14-2014 Montreal, Quebec, Canada.
25. H. P. Jawle and H.T.Thorat and Harshal Zalke Investigation on Deformation in spur gear for transmission efficiency. proceedings of the ASME 2014 International Mechanical engineers congress and exposition, IMECE 2014, nov 14-2014 Montreal, Quebec, Canada.

26. H. P. Jawle and H.T.Thorat, Positional Accuracy Analysis in serial chain and Four bar closed chain Manipulator. proceedings of the ASME 2014 International Mechanical engineers congress and exposition, IMECE 2014, nov 14-2014 Montreal, Quebec, Canada.
27. Prof. V M Nistane, Linearization of stress on classification lines for pressure vessel(Planetary scientific Research center conference, London(UK)
28. Prof. M S Kotambkar, Eigen values analysis of turbo machine blade packet with cracked blade, ICOVP International conference on vibrational problems ,kakkatia University Warangal 18-20 Feb 2015
29. Prof. M S Kotambkar, Modelling and simulation of lasing wire damaged induced effects on natural frequency of grouped blades, International conference ICAD & M14, NIT Trichy
30. Prof. M S Kotambkar, Crack effect on natural frequency of spring supported cantilever, International conference on newest drift in mechanical engineering ,ICNDME-14,p.p 63-69 at M.M university Mullana -133207 INDIA
32. Prof. D A Jolhe and Subash Babu A. (2014), 'Application of Business Process Management in Manufacturing of a Diamond Cutting Tool- A Case Study', International Conference on Advances in Industrial Engineering Applications (ICAIEA2014), January 6-8, Chennai, India.
33. Prof. D A Jolhe, Syamala, S, Subash Babu A. (2014), 'Design and Development of Assembly Line using Reengineering-A Case Study', International Conference on Advances in Industrial Engineering Applications (ICAIEA2014), January 6-8, Chennai, India.
34. A A Thakre , S Ravikumar , "Improvement in End Milling process using Aluminium oxide nanoparticles" NIT Surat ,4th International conference on recent advances in manufacturing (RAM-2014, 26-28 June 2014
35. A A Thakre , "Improvement in face milling process for EN31 using aluminium oxide nanoparticles, ICADM 5-7 Dec 2014
36. Mukul K. Gupta ,Vinit Gupta and Arun K. Singh,"Linear and Non- Linear Dynamics of Double Pendulum with Distributed Mass" Proceedings of International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM 2014), Abstract no. ICTACEM-2014/359, IIT Kharagpur, India, 29-31 December, 2014.
37. Vinit Gupta, Arun K. Singh, Avinash A. Thakre," Complexities in Frictional dynamics of Gel-Glass interface: A Comprehensive Review," presented in Advancement in Polymeric Material(APM-2015), IISc, Bangalore, 20-22nd Feb, 2015.
38. Agrawal, H., Kakade, A., Singh, A., and Shetty, S., "Noise Prediction of an Alternator Fan: Numerical Results and Experimental Validation," SAE Technical Paper 2015-26-0137, 2015, doi:10.4271/2015-26-0137. <http://papers.sae.org/2015-26-0137/>

Metallurgical & Materials Engineering.

Research Publication in International / National Referred Journals.

1. Dipika R. Barbadikar, A.R. Ballal, D.R. Peshwe, and M.D. Mathew, Finite element analysis of deformation due to ball indentation and evaluation of tensile properties of tempered P92 steel accepted, *Metallurgical and Materials Transactions A*, 2015
2. Dipika R. Barbadikar, D.R. Peshwe, A.R. Ballal, J. Ganeshkumar, K. Laha and M.D. Mathew, Investigation on mechanical properties of P92 steel using ball indentation technique ((2015), *Materials Science and Engineering A* 624 Pp 92–101, 2015
3. G.S.Deshmukh, D.R.Peshwe, S.U.Pathak, J.D.Ekhe Nonisothermal crystallization kinetics and melting behavior of poly(butylene terephthalate) (PBT) composites based on different types of functional fillers, *Thermochimica Acta*, Vol. 581, Pp 41-53, 2014
4. Unnikrishnan, R., Idury, K. S. N. S., Ismail, T. P., Bhadauria, A., Shekhawat, S. K., Khatirkar, R. K., & Sapate, S. G.. Effect of heat input on the microstructure, residual stresses and corrosion resistance of 304L austenitic stainless steel weldments. *Materials Characterization*, 93, 2014, 10-23.
5. J Raju, M M Thawre, N Jagannathan, CM Manjunatha, "Prediction of Onset of Mode I Delamination Growth Under a Tensile Spectrum Load" *Journal of materials science research* 02/2014; 3(2):44-51.
6. M.M.Thawre, K.N.Pandey, A.Dubey, K.K.Verma, D.R.Peshwe, R.K.Paretkar, N.Jagannathan, C.M.Manjunatha "Fatigue life of a carbon fiber composite T-joint under a standard fighter aircraft spectrum load sequence", *J.Composite Structures*, 127, March 2015(online):260-266.
7. Avishkar Rathod, Sanjay G. Sapate and Rajesh K. Khatirkar, Scaling Laws of Wear by Slurry Abrasion of Mild Steel, *Applied Mechanics and Materials*, Vols. 446-447 (2014) pp 126-130
8. N. N. Khobragade, M. I. Khan and A. P. Patil, "Corrosion Behaviour of Chrome-Manganese Austenitic Stainless Steels and AISI 304 Stainless Steel in Chloride Environment", *Trans Indian Inst Metals*, April 2014, Vol 67, Issue 2, pp 263-270.
9. Ashwini Kumar, S.J. Dhoble, D.R. Peshwe, Jatin Bhatt "Structural and Photoluminescence Properties of Nepheline-Structure NaAlSiO_4 : Dy^{3+} Nanophosphors" *J. Alloys Compd.* 609, 100-106, (2014).
10. S. Vincent, J. Bhatt, B. S. Murty "Thermodynamic basis for glass formation in Cu-Zr rich ternary systems and their synthesis by mechanical alloying" *Met. Mater. Trans. A* 45, 2363–2370, (2014).
11. Sandeep Fale, Ajay Likhite, Jatin Bhatt, "Study on quantification of oxide phases in exsitu AlN/Al metal matrix nanocomposites" *Trans. Indian I Metals* 67, 762-767, (2014).
12. Sandeep Fale, Ajay Likhite, Jatin Bhatt "The wear behavior of in-situ Al-AlN metal matrix composites" *Trans. Indian I Metals* 67, 841-849, (2014).
13. Sandeep Fale, Ajay Likhite, Jatin Bhatt "Nanoindentation studies of ex -situ AlN/Al metal matrix nanocomposites", *J. Alloys Compd.* 625, S392-S396, (2014).
14. S. Vincent, M.J. Kramer, B. S. Murty, J. Bhatt "Micro and nano indentation studies on $\text{Zr}_{60}\text{Cu}_{10}\text{Al}_{15}\text{Ni}_{15}$ bulk metallic glass" *Materials and Design*, 65, 98–103, (2015).
15. Sandeep Fale, Ajay Likhite, Jatin Bhatt "Compressive, tensile and wear behavior of ex-situ Al/AlN metal matrix nanocomposites" *J. Comp. Mater.* (Online available: DOI: 10.1177/0021998314540197)
16. S. Vincent, A. Daiwile, S.S. Devi, M.J. Kramer, M.F. Besser, B. S. Murty, J. Bhatt "Bio-corrosion and Cytotoxicity Studies on Novel $\text{Zr}_{55}\text{Co}_{30}\text{Ti}_{15}$ and $\text{Cu}_{60}\text{Zr}_{20}\text{Ti}_{20}$ Metallic Glasses" *Met. & Mater. Trans.A*
17. Singh Kritika, Khatirkar Rajesh K., Sapate Sanjay G. (2015). Microstructure evolution and abrasive wear behaviour of D2 steel. *Wear*, 328-329, 206-216.

18. Taiwade R.V., Ingle A. & Khatirkar R. K. (2014). Assessment of inter-granular corrosion susceptibility of 304L stainless steel using non-destructive electrochemical techniques. *ISIJ International*, 54, No. 8, 1898-1905.
19. Vashistha Himanshu, Taiwade R.V., Khatirkar R. K., Ingle A. & Dayal R.K. (2014). Welding behavior of low nickel chromium-manganese stainless steel. *ISIJ International*, 54, No. 6, 1361-1367.
20. Unnikrishnan, R., Idury, K. S. N. S., Ismail, T. P., Bhadauria, A., Shekhawat, S. K., Khatirkar, R. K., & Sapate, S. G. (2014). Effect of heat input on the microstructure, residual stresses and corrosion resistance of 304L austenitic stainless steel weldments. *Materials Characterization*, 93, 10-23.
21. Rahul Unnikrishnan, S.K. Shekhawat and R.K. Khatirkar, "Microstructural and textural developments in ULC steel during deformation in ferritic region and annealing", *Proceedings of the International Conference on Emerging Materials and Processes*, (2014), IMMT, Bhuneshwar, India.
22. Kritika Singh, R.K. Khatirkar and S.G. Sapate, "Effect of microstructure on the abrasive wear of D2 steel", *Proceedings of the International Conference on Advances in Tribology*, (2014), NIT, Calicut, India
23. H. Agrawal, P. Sharma, P. Tiwari, Ravindra V. Taiwade and RK Dayal, "Evaluation of Sensitization and Self-healing Behaviour of AISI 304 Stainless Steel using Electrochemical Techniques" published in *Transaction IIM*, Dec. 2014 (SCI-E Journal) DOI :10.1007/s12666-014-0467-7
24. Ravindra V. Taiwade, Avinash Ingle and R.K.Khatirkar, "Assesment of Intergranular Corrosion Susceptibility of 304L Stainless Steel using Non-destructive Electrochemical Techniques" *Iron and Steel Institute of Japan International*, Volume 54, No 6. (2014), pp 1361-1367. (SCI Journal).
25. Himanshu Vashishtha, R.V.Taiwade, R.K. Khatirkar, Avinash Ingle and R.K.Dayal, "Welding Behaviour of Low Nickel Chrome-Manganese Stainless Steel." *Iron and Steel Institute of Japan International*, Volume 54, No 8. (2014), pp 1898-1905. (SCI Journal.)
26. Prashant Parhad , Ajay Likhite , Jatin Bhatt, Dilip Peshwe, "The Effect of Cutting Speed and Depth of Cut on Surface Roughness During Machining of Austempered Ductile Iron", *Trans Indian Inst Met* (2015) 68(1):99–108.
27. P A Kakde, S N Paul, Effect of Alumina nanoparticles addition on Tue mechanical and wear behaviour of reinforned ABS Polymer, *Int J of Advance in ESS & Tech*, 5(6),(185-192),2014

Research Publication in International Conferences / National Conferences

1. Dipika R. Barbadikar, A.R. Ballal, D.R. Peshwe, J. Ganeshkumar, K. Laha and M.D. Mathew, A study on the effect of tempering temperature on tensile properties of P92 steel by automated ball indentation technique, *ICONS 2014, Procedia Engineering*, Volume 86, Pp 910–918, 2014
2. Abhilasha Jain, D. R. Peshwe, Paper published in proceeding of UGC sponsored national conference on Advanced Materials (NCAM-2014) March-01-2014 'Synthesis and Luminescence Characterization of Polymer Capped Ca₂P₂O₇:Dy³⁺ Phosphor'.
3. Abhilasha Jain, D. R. Peshwe, Influence of processing parameters on long lasting hybrid phosphor for LED applications'- online paper published in 16th NASA 2014 proceedings.
4. Shekhawat, Rajesh K. Khatirkar and S.G. Sapate, Microstructural and textural developments in ULC steel during deformation in ferritic region and annealing , *Proceedings of the International Conference on Emerging Materials and Processes*, (2014), IMMT, Bhuneshwar, India
5. B Rathod, S G Sapate, R .K.Khatirkar, Slurry abrasive wear behavior of weld deposited alloy steel using silica sand slurry, *Proceedings of the International Conference on Emerging Materials and Processes*, (2014), IMMT, Bhuneshwar, India
6. Kritika Singh, R.K. Khatirkar and S.G. Sapate, "Effect of microstructure on the abrasive wear of D2 steel", *Proceedings of the International Conference on Advances in Tribology*, (2014), NIT, Calicut, India.

7. K.S.N Satish Idury, B.S. Murty and Jatin Bhatt, "Designing the composition with high Glass Forming Ability in Cu-Ti-Zr-Pd system by Thermodynamic Modeling", Proc. on International conference on Emerging Materials and Processes", CSIR-IMMT Bhubneswar, 2014, 228-231.
8. K.S.N. Satish Idury and Jatin Bhatt, "Designing of High Entropy Metallic glass composites in Zr-Al-Co-Nb quaternary system through thermodynamic modeling", Proc. Of 6th International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM) 29-31 December 2014, Indian Institute of Technology Kharagpur, Kharagpur, India, ISBN: 978-93-80813-30-1, 2014.
9. V V Karambelkar, S N Paul, J D Ekhe, First international Conference on Emerging Materials, characterization application (EMCA), processing and development of polypyridyl/P2T blends as novel sensor, CGCRI, Calcutta Dec 4-6, 2014

Mining Engineering

Research Publication in International / National Referred Journals.

1. Agarwal, A. K, Kadu, M. S., Pandhurnekar, C. P. and Muthreja I. L., (2014) "Characterization of coal fly ash and its ability to remove Ni⁺⁺ ions from Aqueous Solution" International Journal of The Holistic Approach to Environment. (ISSN 1848-0071). Vol. 4(1) pp 17-29
2. C.P. Verma, John Loui, Thote N.R. & P. PalRoy (2014). Empirical approaches for design of Web Pillar in highwall mining: Review and Analysis, International Journal of Geotechnical and Geological Engineering, V-32, N-2, April 2014, Springer Publication, Netherland (H Index=21, Impact Factor = 0.27, ISSN 0960-3182) pp 587-599
3. Verma P. Chandrani, Thote N.R. & Porathur J.L. (2014), Highwall Mining Technology- A review of the current status and design method, Canadian International Journal, V-5, N (4), pp 227-236
4. Dr R.R. Yerpude Anupam Anant Kher, "Safety Information and Decision Support System for Underground Coal Mine" Indian Mining & Engineering Journal. Vol 54 No 2 Feb 2015, pp 21-27.
5. Dr. R. R. Yerpude, Deepak V. Walke "Investigation in to the Risk Factors Associated with Roof Falls in Underground Coal Mine" International Journal of Engineering Research & Technology, Vol. 3 - Issue 10 (October - 2014) e-ISSN: 2278-0181, pp 1249-1257

Research Publication in International Conferences / National Conferences

1. I L Muthreja, Dr R R Yerpude, Dr. J L Jethwa, (June 2014) "Techniques for Improving Coal Mine Waste Dump Stability Using Geogrids: A New Concept"; Seminar on Sustainable Development of Mineral & Earth Resources New Delhi
2. Thote N.R., Venkat Ramana, Sai Prasad (2014). Accidents in opencast mines: a case study, National conference on Environment by IMEJ, New Delhi June, 2014
3. Thote N. R. (2015), Demolition of structure by blasting in urban area: recent trend in blasting, Nat. Conf by I.E. and NIT, Rourkela, Jan 2015

Applied Physics

Research Publication in International / National Referred Journals.

- 1) V.U. Rahangdale and V.K. Deshpande, "Study of Physical Properties of PbTiO₃ Based Glass-Ceramic with Variation of Heat Treatment Duration" Ferroelectrics, 467:1 pp 85 (2014).
- 2) V.U. Rahangdale and V.K. Deshpande, "Study of dielectric and Ferroelectric properties of lead titanate Glass-Ceramics", Transactions of Indian Institute of metals, DOI No. 10.1007/s12666-014-0392-9, (2014).
- 3) DD Ramteke, K Annapurna, VK Deshpande, RS Gedam "Effect of Nd³⁺ on spectroscopic properties of lithium borate glasses" Journal of Rare Earths 32 (12), 1148-1153 Dec-2014.

- 4) DD Ramteke, RS Gedam "Spectroscopic Properties of Dysprosium Oxide Containing Lithium Borate Glasses" *Spectroscopy Letters* 48 (6), 417-421, Jan (2015)
- 5) DD Ramteke, RS Gedam "Insight of conduction mechanism of Gd³⁺-containing lithium borate glasses" *Ionics*, 1-5, DOI 10.1007/s11581-015-1381-7 (2015).
- 6) Deepak P. Dubal, Pedro Gomez-Romero Babasaheb R. Sankapal, Rudolf Holze, Nickel Cobaltite as an Emerging Material for Supercapacitors: An Overview, *Nano Energy*, 11 (2015) 377-399
- 7) SR Tetgure, AU Borse, BR Sankapal, VJ Garole, DJ Garole, Green biochemistry approach for synthesis of silver and gold nanoparticles using *Ficus racemosa* latex and their pH-dependent binding study with different amino acids using UV/Vis absorption spectroscopy, *Amino Acids*, (2015) 1-9
- 8) DB Salunkhe, DP Dubal, JV Sali, BR Sankapal, Room temperature linker free growth of CdSe quantum dots on mesoporous TiO₂: solar cell application, *Ceramics International*, 41(3)A, (2015) 3940–3946
- 9) D.B. Salunkhe, D.P. Dubal, J.V. Sali, B.R. Sankapal, Linker free synthesis of TiO₂/Bi₂S₃ heterostructure towards solar cell application: Facile chemical routes, *Materials Science in Semiconductor Processing*, 30 (2015) 335-342
- 10) N.B. Sonawane, K.V. Gurav, R.R. Ahire, ; J.H. Kim, B.R. Sankapal, CdS nanowires with PbS nanoparticles surface coating as room temperature LPG sensor, *Sensors & Actuators: A. Physical*, 216 (2014) 78-83
- 11) P Baviskar, A Ennaoui, B. R. Sankapal, Influence of processing parameters on chemically grown ZnO films with low cost Eosin-Y dye towards efficient dye sensitized solar cell, *Solar Energy*, 105(2014) 445-454
- 12) Narayana Thota, Y.P. Venkata Subbaiah, P. Prathap, Y.B.K. Reddy, G. Hema Chandra, Two step growth mechanism of Cu₂ZnSnS₄ thin films, *Physica B: Condensed Matter* 449: 255-260 (2014).
- 13) N. S. Satpute, A. V. Deshpande, "Correlation of Ionic Conductivity of Lithium Borosilicotitanate Glasses with Structure", *Trans Indian Inst Metals*, (2014). doi : 10.1007/s 12666 -014-0454z
- 14) Nanocomposite of PANI And ZnO: Preparation, Characterisation, Optical and Electrical Properties, Published in *International Journal of Nano Research* Vol.24.,(2014), pp 123-132

10. Participation in International Conference / National Conference in India & abroad

S.No.	Name of faculty	Place of Conference	Date(s) of conference
Applied Mechanics			
1	Dr. Ratnesh Kumar	IIT Roorkee	11-13, Dec 2014
2	Dr. R. K. Ingle	IIT Roorkee	11-13, Dec 2014
3	Dr. D Datta	IIT Delhi	SEC 2014, 22-24 Dec 2014
4	Dr. S.V. Bakare	Paris	25-28 June 2014
Architecture and Planning			
1	V.S. Kapse	'Interface with Planning Education and Profession' workshop organised by ITPI, New Delhi	05 th July 2014
2	V.S. Kapse	'Architecture – Education today for the profession tomorrow' National Conference organised by Council of Architecture and Institute of Architects at Habitat Centre, New Delhi	01 st Sept. 2014
3	V.S. Kapse	'Town and Country Planning Education' International Conference organised by Mysore University, Mysore in association with Institute of Town Planners India, New Delhi and School of Planning and Architecture, New Delhi, Bhopal and Vijayawada	21 st – 23 rd Nov. 2014
4	V.S. Kapse	'High Growth inclusive Urban Settlements', National conference organised by Institute of Town Planners India, New Delhi at Chennai	09 th to 11 th Jan. 2015

S.No.	Name of faculty	Place of Conference	Date(s) of conference
5	Sameer Deshkar	3 rd UN World Conference on Disaster Risk Reduction, Sendai, Japan	16 th March 2015
6	Sameer Deshkar and Amit Deshmukh	Academic Diplomacy and its Spheres of Positive Influence on Cross – Cutting Issues, Nagoya, Japan	17 th and 18 th March 2015
7	Sameer Deshkar and Amit Deshmukh	Environmentally Sustainable Transportation in Asian Cities, organised by UNCRD and Nagoya University, Nagoya, Japan	19 th March 2015
Chemistry			
1	Dr. S.S. Umare	Enhanced photocatalytic activity of multi-doped TiO ₂ for degradation of Methyl orange' BITS Pilani, Goa,	19 th May 2014
2	Dr. Anupama Kumar	The 8th International Congress on Molecular Imprinting (MIP, 2014); Jiangsu University, Zhenjiang 212013, China	18-21 September, 2014
3	Dr. Anupama Kumar	International conference on Green Technology for Environmental Pollution Prevention and Control. Department of Chemical Engineering, National Institute of Technology Tiruchirappalli, India	27 th -29 th September 2014
4	Dr. Anupama kumar	National Conference on "Recent Advances in Polymer Science and Technology". LIT Nagpur.	23-25 January, 2015

S.No.	Name of faculty	Place of Conference	Date(s) of conference
5	Dr. Anupama Kumar	National seminar on “Science for national development” VNIT, Nagpur	14-15 March, 2015
6	Dr. Anupama Kumar	International Conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences (ICFM - 2015)	5-7 February, 2015
7	Dr. Sujit Kumar Ghosh	Indo-UK International workshop on Advance Materials and their application in Nanotechnology, BITS-Pilani Goa Campus	17 th May to 19 th May 2014.
8	Dr. Ramani Motghare	Matrafured 2014 International conference on Electrochemical Sensors, Budapest, Hungary	June 15, 2014 to June 20, 2014
9	Dr. Chayan Das	<i>MACRO-2015, International Symposium on Polymer Science and Technology.</i> IACS, Kolkata, India	Jan 23-26, 2015.
10	Dr. A. V. Wankhade	Different Temperatures in International Conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences, Nagpur	5 th to 7 th February 2015
Chemical Engineering			
1.	Dr. K. L. Wasekar	4 th Asia-Pacific Conference on Ionic Liquids and Green Processes, Sydney Australia,	28 Sept – 1 Oct. 2014

S.No.	Name of faculty	Place of Conference	Date(s) of conference
1.	Dr. K. L. Wasewar	2 nd Int. Conference on Ionic Liquids in Separation and Purification Technology, Toronto, Canada,	June 29 – July 2, 2014
2.	Dr. K. L. Wasewar	“CHEMIX-15” a National Conference on inter-disciplinary areas of chemical engineering	March 28-29, 2015
3.	Dr.S.S.Sonawane	PHD Chamber of commerce	27 th February 2015
4.	Shyam M. Kodape	Department of Chemical Engineering, VNIT Nagpur.	March 28-29, 2015,
5.	Sachin A Mandavgane	NIT Agartala	5-6 Sept 2014
6.	Sachin A Mandavgane	NIT Trichy	27-29 Sept 2014
7.	Sachin A Mandavgane	IIM Ahmadabad	19-21 Jan 2015
8.	Sachin A Mandavgane	FICCI Delhi	13-14 Nov 2014
9.	Sachin A Mandavgane	BARC Mumbai	3-5 Feb 2015
10.	Sachin A Mandavgane	ISC Mumbai	4-6 Jan 2015
11.	Dr. A. S. Chaurasia	National Conference on Recent Trends in Chemical Engineering and Technology (REACT 2015), Laximinarayan Institute of Technology, Nagpur, India	February 27-28, 2015
12.	Dr. A. S. Chaurasia	National Conference on Interdisciplinary Blend of Chemical Engineering (CHEMIX 2015), VNIT, Nagpur, India	March 28-29, 2015

S.No.	Name of faculty	Place of Conference	Date(s) of conference
14.	Dr. Vijayakumar R. P.	National Conference on Interdisciplinary Blend of Chemical Engineering (CHEMIX 2015), VNIT, Nagpur, India	March 28-29, 2015
Civil Engineering			
1.	Dr. Rajesh Gupta	World Environmental and Water Resources Congress at Portland, OH, USA	June 1-5, 2014
2.	Dr. Rajesh Gupta	Water Distribution System Analysis Symposium 2014	July 14-17, 2014
3.	Dr. Rajesh Gupta	47 th Annual Convention of IWWA, Calcutta	Jan.30-Feb. 1, 2014
5.	Dr. A. D. Ghare	HYDRO 2014 at MANIT, Bhopal	18-20 December 2014
6.	Dr A. R. Tembhurkar	London UK	21-22 March 2015
7.	Dr. Dilip H. Lataye	Houston, Texas, USA	June 9-13, 2014
8.	Dr. V S Landge	International Conference on Natural Science & Engineering / Kyoto Japan	May 7-9, 2014
9.	Dr. V S Landge	University of Brussels / Brussels, Belgium	June 1-13, 2014
10.	Dr A. R. Tembhurkar	7th international conference on Environmental science & technology / Crozon Plaza, Houston, Texas	June 9-13, 2014
11.	Dr. A. Mandal	Sydney, Australia	9-11 July 2014
12.	Swapnil Wanjari	London UK	21-22 March 2015
13.	Dr.Tapan Chakrabarti	CHEMIX '15 (National Conference on Inter - and Intra - Disciplinary Blend of Chemical Engineering) at VNIT,Nagpur	March 28,2015

S.No.	Name of faculty	Place of Conference	Date(s) of conference
Computer Science & Engineering			
1.	Mansi A. Radke	Greater Noida	24 th to 27 th September 2014
2.	R. B. Keskar	Gwalior, India	4-6 April, 2015
Electrical Engineering			
1	H.M. Suryawanshi	Invited in IEEE Industrial Electronics Society, IECON 2014, Dallas, TX, USA	29 th Oct.-01 st Nov.2014
2	Mohan V. Aware	IEEE, ISIE2014, Istanbul, Turkey	1-4 June 2014
3	Dr. Swapnajit Pattanaik	9th IEEE conference on Industrial Electronics & Applications 2014/ Hangzhou, China	June 9-11, 2014
4	Mohan V. Aware	PEDES 2014, IIT, Mumbai	16-19 Dec 2014
5	V.S.K ale	Brasov, Romania	May 2014
Electronics and Communication Engineering			
01	Dr. K. D. Kulat	IIT Bombay National Conference on Communications	Feb 27-March 1, 2015
02	P.H.Ghare	IIT, Bombay	27 th Feb – 01 st March
03	Prof Abhay Gandhi	IIT Bombay National Conference on Communications	Feb 27-March 1, 2015
04	Dr. A. G. Kothari	IIT Bombay National Conference on Communications	Feb 27-March 1, 2015
05	Dr. A. G. Kothari	USA MOU	28 th November, 2014
06	Dr. A. G. Keskar	IIT Bombay National Conference on Communications	Feb 27-March 1, 2015
07	Dr. K. M. Bhurchandi	USA MOU	18 th September 2014
08	V. R. Satpute	IEEE International Symposium on Signal Processing and Information Technology	December 15-17, 2014

S.No.	Name of faculty	Place of Conference	Date(s) of conference
09	V. R. Satpute	9th IEEE International Conference on Industrial and Information Systems (ICIIS2014)	December 15-17, 2014
Humanities			
1	Dr. G.N.Nimbarte	Dhanawate National College Nagpur	24 th January,2015
Applied Mathematics			
1.	Dr. G. P.Singh	80 th Conference of Indian Mathematical Society, ISM, Dhanbad	December 27-30,2014
2.	Dr. P. Pramod Chakravarthy	International Journal of Arts & Science (IJAS), International conference for Technology & Science held at University of London, London, UK	4-7, November 2014
Mechanical Engineering			
1.	Dr. A B Andhare	NIT Trichy	Dec 5-7, 2014
2.	Dr. A B Andhare	VETOMAC-X at University of Manchester, Manchester, UK.	9-11 September 2014
3.	Dr. Y M Puri	Eurocorr Pisa,Italy	8-12 sept 2014
4.	Dr. J G Suryawanshi	FMFP 2014 IIT Kanpur	Dec 2014
5.	Dr. V. R. Kalamkar	5 th International and 41 st National Conference on Fluid Mechanics and Fluid Power, IIT Kanpur	December 12-14, 2014

S.No.	Name of faculty	Place of	Date(s) of conference
1.	Prof. M S Kotambkar	kakkatia University Warangal International conference ICAD & M14, NIT Trichy ICNDME-14 Mullana -133207 INDIA	18-20 Feb 2015
2.	Prof. P V Kane,	NIT Trichy	Dec 5-7, 2014
3.	H. P. Jawle	Montreal, Quebec, Canada	Nov14-2014
4.	Prof. D A Jolhe	Chennai, India.	January 6-8, 2015
5.	A A Thakre	NIT Surat ICADM	26-28 June 2014 5-7 Dec 2014
6.	S S Chiddarwar	IDETC/CIE 2015, Boston, Massachusetts, USA	August 2-5, 2015
7.	Dr. R.V. Uddanwadikar	International Conference on Advanced in civil, Structural and Mechanical Engineering, Nagpur	15 June 2014
8.	Arun K. Singh	TEQIP Design and Degree Show (DDS) 2014 Conference held at IDC, IIT Bombay	27th June to 29th June-2014
9.	Dr. A M Kuthe	International Conference on Computational Methods / University of Cambridge, UK	July 28-30, 2014
10.	Nitin Kumar Lautre,	International microwave symposium IEEE, Tampa Bay, Florida	June 1-6, 2014

S.No.	Name of faculty	Place of	Date(s) of conference
Metallurgical & Materials Engineering			
1	Dipika R. Barbadikar, T. Sakthivel, A.R. Ballal, D.R. Peshwe, J. Ganeshkumar, and M.D. Mathew	VNIT Nagpur	18th National Seminar on Aerospace Structures 2014
2	M.M.Thawre	VNIT Nagpur	18th National Seminar on Aerospace Structures 2014
3	Ashish Kulkarni, Ashwini Kumar, Varun Mohan, S.J. Dhoble, Jatin Bhatt and D.R. Peshwe	Wroclaw, Poland.	International Conference on Luminescence (ICL'14), July 2014
4	Dipika R. Barbadikar, A.R. Ballal, D.R. Peshwe, and M.D. Mathew	College of Engineering Pun	NMD-ATM, 12-15 November 2014 Conference,
5	Lakshmiprasad Maddi, AR Ballal, DR Peshwe, RK Paretkar, K Laha and MD Mathew	VNIT Nagpur	NASAS 2014, 5-17 December 2014
6	Dipika R. Barbadikar, A.R. Ballal, D.R. Peshwe, J. Ganeshkumar, K. Laha and M.D. Mathew	Research Scholars' Day 2014, VNIT,	20 th September 2014
7	Lakshmiprasad Maddi, AR Ballal, DR Peshwe, RK Paretkar, K Laha and MD Mathew,	NMD ATM 2014, COEP,	12- 15 November 2014
8	Lakshmiprasad Maddi, AR Ballal, DR Peshwe, RK Paretkar and MD Mathew,	Research Scholars' Day 2014, VNIT	20th September 2014
9	Dr. V K Didolkar	WCCI, 16th World Conference on Education / San Diego, California	August 17-24, 2014
10	AP Patil	COCON 2014, Mumbai, India	12-15 November 2014
11	Jatin Bhatt	IIT Madras, India	March 28-29,2015
12	Jatin Bhatt	Shanghai, China	August 24-28, 2014
13	Jatin Bhatt	Dubai UAE	April 2-3, 2014
14	AR Balall	TMS'2015, Orlando	15-19 March 2015
Applied Physics			
1	Dr. (Mrs.) A. V. Deshpande	Dept. of Applied Physics, V. N. I. T., Nagpur	14 th -15 th March 2015
2	Dr. (Mrs.) S. M. Giripunje	Dept. of Applied Physics, V. N. I. T., Nagpur	14 th -15 th March 2015



R & D Projects

11. R& D Projects

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
Applied Mechanics					
1	Standardised Design procedure and Type Design for Elevated Service Reservoir	Department of Drinking Water Supply, Rajiv Gandhi National Drinking Water Mission Ministry of Rural Development New Delhi	3.7 Lakhs	Dr. R. K. Ingle	Ongoing
2	Optimization of Module mounting structures for Solar Power Using Different Structural Configuration	Head, Mahindra EPC Services Pvt. Ltd., Mahindra tower, Dr Bhosle Marg, Worli Mumbai	2.44 Lakhs	Dr. R. K. Ingle	Ongoing
3	Evaluation of Toughcrete <i>Steel Fibre</i> – Concrete Composites for flexural, compressive, impact strength and other relevant properties	Precision Drawell Pvt. Ltd. 09 th April 2014	2.3 Lakhs	Dr. Ratnesh Kumar, Dr. R. K. Ingle	Ongoing
Architecture and Planning					
1	Assessing Urban Sustainability through Urban/Spatial Clusters using GIS and Multivariate Analysis	HSMI/HUDCO (5 th April 2013)	18.4 lakhs	Rajashree Kotharkar, Principal Investigator and Pankaj Bahadure, Co-investigator	Ongoing

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
2	Evolving strategies for mitigating urban heat island in Nagpur using 'Local Climate Zones' and Human Thermal Stress	Science & Engineering Research Board, New Delhi (SERB)	28 lakhs	Dr. Rajashree Kotharkar, Principal Investigator and Sarika Bahadure, Co-investigator	Ongoing

Applied Chemistry

1	"Physicochemical studies and the identification of DNA damage by porphyrin sensitized alkylating quinones"	DST, India	25.6	Dr.Sujit Kumar Ghosh	Ongoing
2	"Photophysical studies of some selected DNA damage reactions"	CSIR, India	21.21	Dr.Sujit Kumar Ghosh	Ongoing
3	"Feasibility study on fabrication and evaluation of electrochemical sensor for some beta-blockers and digoxin in	Department of Science and Technology	15.365	Dr.Ramani Motghare	Towards completion
4	Study of thermodynamic, transport and acoustic properties of some pharmaceutical compounds in aqueous solution at different temperatures.	DST-SERB	12	Dr.Sangesh P. Zodape	Ongoing

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
5	Biocatalysis for the sustainable development of organic synthesis	Science and Engineering Research Board (DST-SERB) from July 2013	32.71	Dr.Umesh Pratap	Ongoing
Chemical Engineering					
1	Synthesis and Application of Ionic Liquids for deep-desulfurization of liquid fuels'	Council of Scientific and Industrial Research (CSIR), Government of India, India	Rs. 20 lakh	Dr. K. L. Wasewar. Dr. M. N. Varma. Dr. D. Z. Shede	Completed
2	Rheological Study of Hydroxyl Terminated Polybutadiene (Htpb) – Aluminium Nanoparticle (ANP) – Ammonium Perchlorate (AP) Composite Suspension	HEMRL, DRDO Pune	Rs. 10 lakh	Dr. K. Wasewar. Dr. D. R. Peshwe Dr. D. Z. Shede	Ongoing
3	Development of Controlled Shape and Size Metal Oxides Nanoparticles, Synthesis of Nanofluids and Application in Heat Exchanger	DST	19.20 Lakhs	Dr.S.S.Sonawane	1. Output:02 SCI publications 2. 01 Ph.D. students ongoing 3. 02 SCI under writing (work done)

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
	Development and testing of micro fine powder bio-pesticide using Neem	BRNS 2013	22.60	Sachin A Mandavgane Sonali Tajane	Ongoing
	Removal of chlorinated herbicides from dilute aqueous solution using biomass ashes	SERB 2014	45.00	Sachin A Mandavgane Ashish Chaurasia	Ongoing
	Design Development of Sustainable Construction Material from Agricultural Waste	HUDCO 2014	23.76	Sachin A Mandavgane Rahul Ralegaonkar	Ongoing
	Production of liquid hydrocarbons and carbon nanotubes using waste plastics as precursor	Science and Engineering Research Board under Fast Track Young Scientist (SB/FTP/ETA-0235/2013)	27.6	Dr. Vijayakumar R. P.	Ongoing

Civil Engineering

1.	National Ambient Air Monitoring Programme (NAMP)	Maharashtra Pollution Control Board (MPCB), Mumbai	7,05000/- per year	Principal Coordinator – Prof. V. A. Mhaisalkar Coordinator – Dr. D. H. Lataye	Ongoing
2.	State Ambient Air Monitoring Programme (SAMP)	Maharashtra Pollution Control Board (MPCB), Mumbai	7,05000/- per year	Principal Coordinator – Prof. V. A. Mhaisalkar Coordinator – Dr. D. H. Lataye	Ongoing

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
3.	Seismic behaviour of underground structures : A research & development project proposal approved by Co-principal investigator	Department Of Science And Technology (DST) Government Of India	53.35	A. Mandal Y B Katpatal O R jaiswal	Ongoing
4.	Technical & Feasibility study of overburden rock of Dongri Buzurg & Kandri Mines for consolidated hydraulic stowing in underground mines	MOIL, India	39.25	Prof I. L. Muthreja, Dr. Rajendra Yerpude Dr. A. D. Ghare	Ongoing
5.	Design development of sustainable construction material from agricultural waste	HSML, HUDCO, New Delhi	23.76	Dr. R V Ralegaonkar Dr. S A Mandavgane Dr. Ssachin Bakre	On-going
6.	Modeling of permeability in multi-layered soil system using shear and compression wave velocities at different confining stress	Science & Engineering Research Board, SERB, DST Govt of India, July 2014	22.61	Dr. A. Patel	Ongoing
7.	Pavement performance of roads using RB1 grade	M/s Alchemist date 12.10.14	12.0	V. S. Landge and Dr A. D. Vasudeo	ongoing

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
Computer Science & Engineering					
	IBM Shared University Research Project	IBM (20/06/2014)	Rs. 19.50 Lakhs	Umesh Deshpande Manish P. Kurhekar, Ravindra B. keskar,	To be completed in June 2015
Electrical Engineering					
1	Reliable and Efficient System for Community Energy Solutions (RESCUES), Consortium Project*	DST+EPSRC (UK) 2014-2017	Ongoing 10.73 Cr (VNIT=42.00 Lakhs)	H. M. Suryawanshi	Ongoing
2	Development of Efficient converter for Grid Integration	DST (SERI) Solar Oriented Fundamental Research (SOFR)	Sanctioned 58 Lakhs	H. M. Suryawanshi	ongoing
1	"Development of Industrial Fractional Order PID controller"	BRNS .Date May 2014	25 lakhs	Prof.M.V.Aware Prof.A.S.Junghare	ongoing
Electronics and Communication Engineering					
01	Interference Mitigation In (BAN) Body Area Network through Spectrum Sensing	CoE	6.30 lakhs	Dr. A. G. Kothari Dr. A. G. Keskar Mrs. P.H.Ghare	Continuing
02	Acoustic Enhancement/ Optimizations of A Typical Lecture Hall Through Architectural Interventions and Signal Processing In hot dry climate	CoE	9.87 lakhs	Dr. A. G. Kothari Dr. A. G. Keskar Dr. K. M. Bhurchandi Dr. A. R. Dongre Prof Akshay Patil Prof. Amit Wahurwagh	Continuing

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
03	Smart Structures with failure alarm & adaptive control System	CoE	15.01 lakhs	Dr. A. G. Kothari Dr. K. M. Bhurchandi Prof. A. Y. Vyawhare Prof. Ashish Tiwari Prof. Ashwin Dhabale	Continuing
04	Design, development & Fabrication of humanoid robot with adaptive gripping capabilities	CoE	10.08 lakhs	Dr. K. M. Bhurchandi Dr. A. G. Keskar Dr. A. G. Kothari Prof. Sheetal Chiddarwar (Mech)	Continuing
05	Development of camera based sensor for motion detection and its application for energy saving.	CoE	12.25 lakhs	Dr. A. G. Kothari Dr. S. S. Bhat (EEE) Dr. M. R. Ramteke (EEE)	Continuing
06	Scale Invariant Human Face Detection and Recognition System for Gray Level Still Images	BRNS	21.95	Dr. K. M. Bhurchandi (PI) V. R. Satpute (CI)	Completed two years
Applied Mathematics					
1	Numerical methods for solving singularly perturbed delay differential equations with large delays	DAE (NBHM) December 2012	Rs. 9, 56,500/-	Dr. P. P. Chakravarthy	Ongoing

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
2	Studies on the flows of two immiscible incompressible micropolar and viscous fluids	NBHM, DAE (accepted for financial assistance on 22-10-2014 and got the financial sanction on 28-01-2015)	Rs. 9, 56,500/-	Dr.M. Devakar	Ongoing
3	Numerical Methods for Hyperbolic Conservation Laws	NBHM, DAE 7/11/2014	Rs. 9, 56,500/-	G. Naga Raju	Ongoing
Mechanical Engineering					
	Dye sensitized fuel cell (DST)	DST	46.56	Dr. S B Thombre	Submitted
	Development of Robot programming by demonstration system for spray painting operation	DST FAST TRACK	Rs.25,15,000/-	Dr. S. S. Chiddarwar	On going
	Design, development and fabrication of Humanoid robot	COE	Rs. 10,00,000/-	Dr. S. S. Chiddarwar	On going
	Development of light weight functional hand prosthesis	Ministry of social justice and Empowerment	23	Dr. R.V. Uddanwadikar	Submitted
	Development of digital dental restoration system	Ministry of Science and Technology	9.09	Dr. R.V. Uddanwadikar	Submitted

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
Metallurgical & Materials Engineering					
1	Development of Carbide Austempered Inoculated Low Carbon Equivalent Iron	Deptt. of Science & Technology (DST)	Rs. 50.00 lacs	A.A.Likhite D.R.Peshwe	In progress
2	Influence of normalizing & tempering heat treatment on tensile & creep properties of grade 92 steel	BRNS	Rs.82.14 lacs	D.R.Peshwe	In progress
3	Testing for Damage Evaluation of New Composite Materials & Components	ACECOST	Rs.167.3 lacs	R.K.Paretkar D.R.Peshwe M.M.Thawre J.G.Bhatt	In progress
4	Characterization of Creep properties of grade 92 steel using small punch creep testing method	UGC-DAE	Rs.4.00 lacs	D.R.Peshwe R.K.paretkar A.R.ballal	In progress
5	Characterization of Tensile and Fracture Properties of Grade 92 Steel using Ball Indentation Technique	UGC-DAE	Rs.4.00 lacs	D.R.Peshwe A.R.Ballal	In progress
6	Dissemination of Rural Technologies in various clusters	KVIC	Rs. 27 Lacs	D.R.Peshwe	In progress
7	Structural developments during deformation and annealing in two phase materials	DST-SERB (FASTTRACK) 2015-2018	26 Lakhs	Dr.RK Khatirkar	In progress

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
Mining Engineering					
1	Technical & Feasibility study of overburden rock of Dongri Buzurg & Kandri Mine for consolidated stowing in underground mines	MOIL Ltd, Nagpur, April 2013	39.25	I L Muthreja, Coordinator Dr R R Yerpude Co-coordinator Dr A.D.Ghare Co-coordinator	Ongoing
2	Risk and Vulnerability Investigations for Disaster Control due to mining and other industries in Wardha river vicinity and Chandrapur area (MS) Revised proposal submitted to NMDA/Coal Ministry/ CIL	NMDA/Coal Ministry/ CIL	Rs 70	Dr.R.R. Yerpude Prof.I.L. Muthreja Dr. Y.B. Katpatal	
Applied Physics					
1.	"Study of the Effect of Neutron and Gamma Irradiation on the Properties of Lithium Borosilicate Glasses"	B.R.N.S.	Rs.24.09 Lakhs	Dr. V.K. Deshpande And Dr. (Mrs) A.V. Deshpande	Ongoing
2	Synthesis and characterization of glasses containing semiconductor quantum dots (QDs) for optical filters	DST, SERB 24.4. 2014	32.65 Lacs	Dr.R.S.Gedam	Ongoing

S. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
3	Studies and development of polymer and/or inorganic material coated carbon nanotube thin films towards supercapacitor application	DST-SERB	38.75 Lakhs	Dr B R Sankapal	ONGOING June 2014-May 2017
4	Investigations on $\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4$ thin films leading to the development of heterojunction solar cells	DST (SERB) May 2013.	23.98 Lakhs	Dr. G. Hema Chandra	On going
5	Investigations on $\text{Cu}_2\text{ZnSnSe}_4$ thin films leading to the development of heterojunction solar cells	UGC-DAE CSR, Indore November, 2014	7.686 Lakhs	Dr. G. Hema Chandra	On going



Industry Institute Collaboration

12. Institution Industry Collaboration

Applied Mechanics

S. No.	Name of Industry / organization	Consultancy Topic / Activity	Amount in Lakhs	Investigator(s)	Present Status
1	Sub Divisional Engineer ZP Rural Water Supply sub Division Katol	Technical Scrutiny	0.1	R K Ingle & Ratnesh Kumar	Completed
2	The Gondwana Engineers Limited Nagpur	Technical Scrutiny	0.1	R S Sonparote	Completed
3	Sapan Prabhu Architect and Planner, Vashi Navi Mumbai	Technical Scrutiny	0.1	R S Sonparote	In progress
4	Deputy Engineer MIDC Sub-Division Gondia	Technical Scrutiny	0.1	R S Sonparote	In progress
5	M/s Satish Raipure 102 Vighnaharta Apartment Shradhanandpeth Mate square SA Raod Nagpur 440022	Technical Scrutiny	0.15	R K Ingle	Completed
6	M/s Shivam Infrastrutres Engineers and Contractores 'SHARADA SADAN' Behind gayatri mandir vinoba nagar talpara road Bilaspur (CG) 495001	Technical Scrutiny	0.15	L M Gupta & G N Ronghe	Completed
7	Sub Divisional Engineer ZP Rural Water Supply sub Division Katol	Technical Scrutiny	0.15	R K Ingle & Ratnesh Kumar	Completed
8	M/s Shivam Infrastrutres Engineers and Contractores 'SHARADA SADAN' Behind gayatri mandir vinoba nagar talpara road Bilaspur (CG) 495001	Technical Scrutiny	0.15	L M Gupta & G N Ronghe	Completed

S. No.	Name of Industry / organization	Consultancy Topic / Activity	Amount in Lakhs	Investigator(s)	Present Status
10	M/s Satish Raipure 102 Vighnaharta Apartment Shradhanandpeth Mate square SA Raod Nagpur 440022	Technical Scrutiny	0.15	R K Ingle	Completed
11	M/s Singh Builders Jabalpur	Technical Scrutiny	0.15	R S Sonparote	Completed
13	SMS Infrasturctures Limited 20, IT PaRatnesh kumar Parsodi nagpur 440022	Technical Scrutiny	0.15	L M Gupta & G N Ronghe	Completed
14	M/s Singh Builders Jabalpur	Technical Scrutiny	0.15	R S Sonparote	In progress
15	M/s Om Prakash Kalia A-5 Contactor Professor colony opposite Meuseum Circular road Chinnwara (MP) 480001	Technical Scrutiny	0.2	L M Gupta & G N Ronghe	Completed
16	Shri Deepak Hurde Sr Engg Power Grid Corporation of India Limited Ramayan complex 1st floor VIP road Baid Layout Gitai Nagar Nalwadi Wardha	Technical Scrutiny	0.2	R K Ingle	Completed
17	M/s Punam construction 12, Pawan Kuti BhaRatnesh kumarre layout Balaji Nagar Nagpur 440027	Technical Scrutiny	0.2	L M Gupta & G N Ronghe	Completed
19	Gondwana Engineers Limited Nagpur Athner Dist Betul	Technical Scrutiny	0.2	R S Sonparote	In progress
20	Sapan Prabhu Architect and Planner, Vashi Navi Mumbai	Technical Scrutiny	0.2	R S Sonparote	In progress
21	Sapan Prabhu Architect and Planner, Vashi Navi Mumbai	Technical Scrutiny	0.2	R S Sonparote	In progress
22	Executive Engineer MIDC Division No 1 Nagpur	Technical Scrutiny	0.2	R S Sonparote	In progress

S. No.	Name of Industry / organization	Consultancy Topic / Activity	Amount in Lakhs	Investigator(s)	Present Status
23	Harshwardhan Nagpure Vividh Concepts Nagpur	Technical Scrutiny	0.2	R S Sonparote	In progress
24	Sarpanch Gram Panchayat Office Chikalgaon Panch Samiti Wani Dist: Yavatmal	Technical Scrutiny	0.21	R K Ingle & S B Borghate	Completed
25	Executive Engineer MIDC Division No 1 Nagpur	Technical Scrutiny	0.25	R S Sonparote	Completed
26	SMS Infrastructures Limited 20, IT PaRatnesh kumar Parsodi nagpur 440022	Technical Scrutiny	0.25	L M Gupta & G N Ronghe	Completed
27	M/s Balaji Associates GS-37, Amar Jyoti Palace Lokmat Sq Wardha road Nagpur	Technical Scrutiny	0.25	R K Ingle	Completed
28	Rohan Construction Nagpur	Technical Scrutiny	0.25	R S Sonparote	Completed
29	Executive Engineer Nagpur Improvement Trust (North) Nagpur	Technical Scrutiny	0.25	R S Sonparote	Completed
30	M/S R K Sanchett Chandrapur	Technical Scrutiny	0.25	L M Gupta & G N Ronghe	Completed
32	CEO Nagar Parishad Warora Dist Chandrapur Maharashtra	Technical Scrutiny	0.25	R K Ingle & S B Borghate	Completed
33	Shri S Dube SR DGM © 1, Rites Bhavan Kadbi Chawk Nagpur	Technical Scrutiny	0.25	R K Ingle	Completed
34	M/s Vatan Singh & Company Unit No 11, Wing Sita Estate Aziz Baugh Chembur Mumbai-440074	Technical Scrutiny	0.25	L M Gupta & G N Ronghe	Completed
35	m/s RITES Nagpur D K SaRatnesh kumarar Add GM (Civil) 1, Rites Bhawan Kadbi chowk Nagpur 440004	Technical Scrutiny	0.25	R K Ingle	Completed

S. No.	Name of Industry / organization	Consultancy Topic / Activity	Amount in Lakhs	Investigator(s)	Present Status
36	Dy Engineer MIDC, Sub-division No 1 Butibori	Technical Scrutiny	0.25	S S Gadve	In progress
37	Gondwana Engineers Limited Nagpur	Technical Scrutiny	0.25	R S Sonparote	In progress
38	Dy. Engineer MIDC Sub- Division No. 1 Butibori	Technical Scrutiny	0.25	S S Gadve	In progress
39	M/s Rajesh B Waghela Civil Contractor Ramashray 2 K R Nagar Katol Road nagpur	Technical Scrutiny	0.25	R S Sonparote	In progress
41	The Executive Engineer PWD Bridge Construction Division Rajnandgaon	Technical Scrutiny	0.27045	L M Gupta & G N Ronghe	Completed
42	Executive Engineer PWD Bridge construction Division Bilaspur (CG)	Technical Scrutiny	0.32595	L M Gupta & G N Ronghe	Completed
43	M/s Laxmi Civil Engineering Services Pvt ltd Ramdaspath Nagpur	Technical Scrutiny	0.4	L M Gupta & G N Ronghe	Completed
44	M/s Punam construction 12, Pawan Kuti BhaRatnesh kumarre layout Balaji Nagar Nagpur 440027	Technical Scrutiny	0.4	L M Gupta & G N Ronghe	Completed
45	m/s Vijaykumar M Angadi Engineer & Contractors 88A/30, 1st floor Gauravi Aptt Surana Layout near Green paRatnesh kumar Rajnagar-13	Technical Scrutiny	0.4	L M Gupta & G N Ronghe	Completed
46	m/s Rakesh Kumar Jain Railways Contractors Jagmal Chauk Bilaspur (CG)	Technical Scrutiny	0.4	L M Gupta & G N Ronghe	Completed

S. No.	Name of Industry / organization	Consultancy Topic / Activity	Amount in Lakhs	Investigator(s)	Present Status
47	The Executive Engineer PWD Bridge Zone Bilaspur (CG)	Technical Scrutiny	0.4087	L M Gupta & G N Ronghe	In progress
48	Executive Engineer PWD Bridge Construction Rajnandgaon Division	Technical Scrutiny	0.44455	L M Gupta & G N Ronghe	In progress
49	m/s Horizon Construction S-2, Shree Chintamani survey NO 1/1148, Mahajan Path Model colony Shivaginagar Pune 411016	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
50	SMS Infrastructures Limited 20, IT PaRatnesh kumar Parsodi nagpur 440022	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
51	m/s Bhushan stell LTD at Narendrapur PO Kusapanga Meramandaliiiiii Dist Khenkaned Orrissa	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
52	SMS Infrastructures Limited 20, IT PaRatnesh kumar Parsodi nagpur 440022	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
53	M/s Vatan Singh & Company Unit No 11, Wing Sita Estate Aziz Baugh Chembur Mumbai-440074	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
54	M/s Sadhbav Engineer Ltd Ghat Parasia Post Umariya PS Kundipure chindwara (MP)	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
55	M/s N N Regalia Nagpur	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
56	m/s Rakesh Kumar Jain Railways Contractors Jagmal Chauk Bilaspur (CG)	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed

S. No.	Name of Industry / organization	Consultancy Topic / Activity	Amount in Lakhs	Investigator(s)	Present Status
57	M/s Pilcon Engineering "Zainab Villa", 16-19, Najaj colony near Mankapur ring road Sadiqabad Nagpur	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
58	M/s Sadhav Engineers Ltd. Ghat Parasia, post-Umariya PS Kundipara Chindwara (MP) 480001	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
59	M/s United sales carporation 303 sunflower valley wanwaree Pune 411040	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
60	Vishvaraj Infrastructure Ltd. 4th floor Madhu Madhav tower Laxmi Bhawan Square Dharampeth Nagpur 440010	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
61	M/S Sundari Construction Company Raipur	Technical Scrutiny	0.5	L M Gupta & G N Ronghe	Completed
62	Gondwana Engineers Limited Nagpur	Technical Scrutiny	0.5	R S Sonparote	In progress
63	Vighnaharta Constructions Plot no 20 Prasad nagar Nagpur Maharashtra	Technical Scrutiny	0.5	S V Bakre & Ratnesh Kumar	In progress
64	M/s Abrar Ahmed c/o City Engineer Nagpur Muncipal Carporation First Floor North Wing Mahanagarpalika Marg Civil Lines Nagpur	Technical Scrutiny	0.5	R K Ingle	In progress
65	The Executive Engineer PWD Bridge Construction Division Rajnandgaon (C.G.)	Technical Scrutiny	0.5885	L M Gupta & G N Ronghe	In progress
66	Sandeep Roopchandani Antrolkar Nagar No 1 Office no 9-10 Hotgi road Solapur	Technical Scrutiny	0.6	R K Ingle	In progress

S. No.	Name of Industry / organization	Consultancy Topic / Activity	Amount in Lakhs	Investigator(s)	Present Status
68	M/s V M Matere Infrastructure India Pvt Ltd Matere House PCNIDA Msdhit Pune-411039	Technical Scrutiny	0.75	R K Ingle	Completed
69	Mr. Devidas Thorat Deputy Manager Design Security solution division godrej and Boyce Mfg co Ltd Vikhroli Mumbai 400083	Technical Scrutiny	0.75	R K Ingle	Completed
70	Sr Dy General Manager (C) Rites Limited, Rites bhawan, Kadbi Chawk nagpur 440004	Technical Scrutiny	0.8	L M Gupta & G N Ronghe	Completed
71	M/s Wapcos Limited 76-C Institutional Area Sector-8 Gurgaon 122015	Technical Scrutiny	0.8	L M Gupta & G N Ronghe	Completed
72	Rajiv Kumar & Associates B-46 vibhuti Khand, gomti Nagar Lucknow(UP)	Technical Scrutiny	0.89	R S Sonparote	In progress
73	Shri N H Gurbani GM (C) 1, Rites Bhavan Kadbi Chawk Nagpur 440004	Technical Scrutiny	1	R K Ingle	Completed
74	Satish Raipure 102 Vighnaharta Apartment Shraddhanandpeth Mate Square S A road Nagpur	Technical Scrutiny	1	R K Ingle	Completed
76	M/s Satish Raipure 102 Vighnaharta Apartment Shradhanandpeth Mate square SA Raod Nagpur 440022	Technical Scrutiny	1	R K Ingle	Completed
77	M/s Satish Raipure 102 Vighnaharta Apartment Shradhanandpeth Mate square SA Raod Nagpur 440022	Technical Scrutiny	1	R K Ingle	In progress

S. No.	Name of Industry / organization	Consultancy Topic / Activity	Amount in Lakhs	Investigator(s)	Present Status
78	Sapan Prabhu Architect and Planner, Vashi Navi Mumbai	Technical Scrutiny	1	R S Sonparote	In progress
79	Executive Engineer Indore Development Authority Indore, 7 Race Course road, Indore 452005 Madhya Pradesh	Technical Scrutiny	1.4	R K Ingle	Completed
80	Shri A K Mishra Sr DGM (C) 1 Rites Bhavan Kadbi chauk Nagpur 440014	Technical Scrutiny	1.5	R K Ingle	In progress
81	Executive Engineer Slum Rahabilitation authorit Nagpur	Technical Scrutiny	1.7179	R S Sonparote	In progress
82	The Executive Engineer Public WoRatnesh kumar Division Amravati	Technical Scrutiny	2.07	L M Gupta & G N Ronghe	In progress
83	Executive Engineer Integrated Unit (M) PW Nagpur	Technical Scrutiny	2.3	R S Sonparote	Completed
84	The Executive Engineer PWD Bridge construction Division Bilaspur	Technical Scrutiny	2.8075	L M Gupta & G N Ronghe	In progress
85	M/S Rites Limited NTDC- Mauda Dist Nagpur	Technical Scrutiny	3.24	R K Ingle	In progress

Architecture & Planning

1	A World Bank funded consultancy project in Collaboration with IIIT, Hyderabad	“Cool Roof for Rural Poor: Saving Energy, Beating the Heat Affordably”	9.00 Lakhs	Rajashree Kotharkar	Work Commenced
2	RTM Nagpur University	1. Extension of Health Center 2. Extension of Dept. of Chemistry (VMIT Works) 3. Renovation of Dept. of Fine Art 4. Renovation of Dept. of Sericulture	80,000/-	Vijay Kapse	Construction Completed
3	National Environmental Engineering Research Institute, Nagpur -10	1. Design of engineering Services Unit 2. Extension of Silver Jubilee Building and Annex Building	2.75 lakhs	Vijay Kapse	Drawing Completed
4	National Institute of Technology, Silchar	1. Renovation of Amenity Building (Lecture Hall Complex) 2. Renovation of Mechanical Workshop (Lecture Hall Complex)	1.20 Crores	Vijay Kapse	Drawing Completed
5	LMN Institute of Information Technology, Jaipur	Department of Mechatronics	4.50 lakhs	Vijay Kapse	Drawing Completed
6	Visvesvaraya National Institute of Technology	Extension of Boys Hostel Block No. 6 – 7, 250 Students	Free Service	Vijay Kapse	Construction Completed
7	Visvesvaraya National Institute of Technology	Extension of Civil Engineering Lab.	Free Service	Alpana Dongre	Conceptual Design Completed
8	Visvesvaraya National Institute of Technology	Faculty Quarters for Associate Professors (21) and Assistant Professors (60)	Free Service	V.S. Adane	Conceptual Design Completed
9	Visvesvaraya National	Class Room Complex G+4	Free Service	Vijay Kapse	Work Commence

Civil Engineering

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Amount (Rs.)	Investigator(s)	Present Status
1	Maharashtra Jeevan Pradhikaran	Design of Gravity Main Systems from Wena Water Works	53,833	Rajesh Gupta and Shilpa Dongre	Completed
2.	Unity Infrastructure, Pune	Surge Analysis & design of surge protection system for Vasana LIS	1,68,540	Rajesh Gupta	Completed
3.	Hiremath Irrigation Consultant Pune	Surge Analysis & design of surge protection system for Jigaon 08 LIS	1,23,596	Rajesh Gupta	Completed
4.	Hiremath Irrigation Consultant Pune	Surge Analysis & design of surge protection system for Jigaon 4,5,6,7 LIS	1,40,450	Rajesh Gupta	Completed
5.	Irrigation Deptt Bhandara	Surge Analysis & design of surge protection system for Tewda-Shioni LIS, Gondia	1,12,360	Rajesh Gupta	Completed
6.	Ujjani Project Div. No. 8, Solapur	Alternative design of surge protection for Ashti LIS	39,326	Rajesh Gupta	Completed
7.	Siddharth Infrastructure Jalgaon	Surge Analysis & design of surge protection system for Kurha-Vadodara LIS	1,23,596	Rajesh Gupta	Completed
8.	Upper Wardha Canal Div. Amravati	Surge Analysis of Gurukunj LIS	1,39,327	Rajesh Gupta	Completed
9.	Mah. Krushna Velly Dev. Corporation, Satara	Surge Analysis & design of surge protection system for Urmodi LIS	2,62,923	Rajesh Gupta	Completed
10	Project Division Majalgaon, Beed	Surge Analysis & design of surge protection system for Majalgaon LIS	1,57,304	Rajesh Gupta	Completed

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Amount (Rs.)	Investigator(s)	Present Status
11	Irrigation Deptt. Aurangabad	Bramagavan LIS	1,23,596	Rajesh Gupta	Completed
12.	Irrigation Department Chandrapur	Lalnalla LIS	1,73,035	Rajesh Gupta	Ongoing
13	Kalyan Toll Infrastructure Indore	Proof Checking of Hydraulic Design of Barwani	1,40,450	Rajesh Gupta	Completed
14	Minor Irrigation Chandrapur	Borghat LIS Haldi purani LIS Palasgaon	5,19,105	Rajesh Gupta	Ongoing
15	Irrigation Div. gadchiroli	Kotgal LIS Dongargaon LIS	3,34,833	Rajesh Gupta	Ongoing
16	Kalyan Toll Infrastructure	Proof Checking of Udgawan Grouped WSS	1,79,776	Rajesh Gupta & A. R. Tembhurkar	Completed
17	Aasha Engineering Works, Indore	Proof checking of Hydraulic Design of Intake Well	15,000	Rajesh Gupta and A. D. Ghare	Completed
18.	Central Groundwater Board Ministry of Water resources, Govt. of India.	Collaborative National Project of Aquifer mapping on 1:50,000 scale for 3D scenario for aquifer disposition, Five year period for 43000 sq. km. in Maharashtra and UT.	-	Dr. Y. B. Katpatal (as an External Expert)	Ongoing
19.	Chief Conservator of Forests (Territorial) Government of Maharashtra Gadchiroli	Development and testing of sustainable construction materials (Bricks & False ceiling panels) using Fly Ash and paper industry Waste	2.7	Dr. R V Ralegaonkar Dr. S A Mandavgane Dr. V A Mhaisalkar	Completed
20.	Maharashtra Power Generation Co Ltd., Koradi,	Soil tests for rectification of pipeline deformation,	Rs.110,113.00	Dr. A. Patel and Dr. A. Mandal	Completed

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Amount (Rs.)	Investigator(s)	Present Status
21.	Maharashtra Enviro Power Limited	Analysis of Landfill Slope Stability	Rs.33708.00	Dr. A. Patel and Dr. A. Mandal	Completed
22.	Power Grid Corporation of India Limited, at NPTI site	Site Investigation at NPTI site	Rs.117978.00	Dr. A. Patel and Dr. A. Mandal	Completed
23.	Irrigation Project Division, Nagpur	To access the Bearing capacity of foundation strata at project site f or Khindsi Feeder Canal, Ramtek	Rs.49439.00	Dr. A. Patel and Dr. A. Mandal	Completed
24.	Vishvaraj Infrastructure Limited.	Geotechnical service for 200 MLD STP Bhandewadi	Rs 67416.00	Dr. A. Patel and Dr. A. Mandal	Completed
25.	Vidharaba Irrigation Development Corporation	Stability calculation for treatment given to Gosikhurd Right Bank Main Canal in Km.21	Rs.95,506.00	Dr. A. Patel and Dr. A. Mandal	Completed

Computer Science & Engineering

S. N.	Name of the Organization	Consultancy Topic / Activity	Consultant Amount	Investigator(s)	Present Status
1	Maharashtra Animal & Fishery Science University, Nagpur June 2014	Technical Evaluation of tenders for 'Web Based Online Admission Process and Student Cycle Management Software' (Ready to Use)	Rs. 0.18 Lakhs	Dr. P. S. Deshpande & Anil S. Mokhade	Completed
2	Nagpur Municipal Corporation, Assesment Department	Computerization of Property Survey Data & Integration with NMC Software Systems & GIS	Rs. 0.56 Lakhs	Dr. P. S. Deshpande & Anil S. Mokhade	Ongoing

Electrical Engineering

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount	Investigator(s)	Present status
01	MRSAC,NAGPUR	Tender specifications for Transformer and DG	Rs 5000/ -	M.V.Aware	Complete
02	Nagar ParishadRamtek,	Assessment of PV solar plant	Rs.15,000/-	M.V.Aware	Complete
03	Nagar Parishad, Babai, Hoshangabad	Checking of Electrical scheme of water supply project,	Rs. 20,000/-	M.V.Aware	Complete
04	ICAI, Mumbai, India	Application Note on re-rolling mills in central India	Rs.500,000/-	M.V.Aware	On-going
05	JNARDDC, Nagpur	Assessment of existing electrical system and re-configuration	Rs 20,000/-	M.V.Aware	On-going

Electronics and Communication Engineering

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Amount	Investigator(s)	Present Status
1.	Nagpur Rural Police	Design of wireless CCTV system for Kamptee Town. Preparation of tender document (specifications and BOQ as per design)	Rs. 1,20,000=00	Dr. Abhay Gandhi Dr. Sunil Bhat	Completed
2.	Gorakshan Sabha, Nagpur:	Design of GPS/GSM based RF tags for health motoring and tracking of cattle.	Rs. 1,00,000=00	Dr. A. G. Keskar Dr. A. G. Kothari	In progress
3.	CICR, Nagpur :	Consultation for finalizing technical specification of bidding process of the bulk voice messaging system.	Rs. 0.10 Lakhs	Dr. A. G. Keskar Dr. A. G. Kothari	Completed

Mechanical Engineering

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Amount	Investigator(s)	Present Status
1	Ordinance Factory Chandrapur	Calibration of Air flow meters	24000	Dr. S B Thombre	
2	Office of chief conservator of forest	Testing of fire wood chulhas and Ula chulha	60000	Dr. S B Thombre	
3	MSME	Guest Lecture	-	Dr. R.V. Uddanwadikar	

Metallurgical & Materials Engineering.

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Amount	Investigator(s)	Present Status
	SIB Associates	Investigation on failure of molasses tank	1,20,000/-	AP Patil & RC Rathod	Completed
	Khaparkheda Super Thermal Power Station	Failure Investigation	Rs, 25,000/-	Ajay Likhite D. R. Peshwe	Completed
	GIMMCO, MIDC, Nagpur	Failure Investigation	Rs, 25,000/-	Ajay Likhite D. R. Peshwe	Completed

Mining Engineering

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Amount	Investigator(s)	Present Status
1	Western Coalfields Ltd	Human Resources Developement	2.7 lakhs	Prof Shringarputale Prof I L Muthreja Dr N R Thote Dr R R Yerpude Dr S S Gupte	Completed
2	Western Coalfields Ltd	Human Resources Developement	2.3 Lakhs	Prof Shringarputale Prof I L Muthreja Dr N R Thote Dr R R Yerpude Dr S S Gupte	Completed



Innovation & Technology Transfer

Innovation & Technology Transfer

Civil Engineering

S.No.	Name of the faculty	Details of Investigation & Technology Transfer
1.	Dr. R V Ralegaonkar Dr. V A Mhaisalkar	The developed mix design for the <i>Sustainable Bricks</i> using boiler ashes were transferred to Gadchirouli manufacturing sites.

Electronics and Communication Engineering

S.No.	Name of the faculty	Details of Investigation & Technology Transfer
01	Dr. A. G. Keskar Dr. A. G. Kothari	<p>As per the guidelines by NP IU regarding technology transfer cell, a visit to Deolapar village was organized to meet the Sarpanch and Rural Development Officer and villagers to discuss real life challenges encountered by the villagers due to unavailability and inaccessibility to the technology.</p> <ul style="list-style-type: none"> • Located at about 75 km from Nagpur in the adjoining district of Ramtek. • Having total tribal population of around 8-10 thousand with Gond and Pardhan as two major tribes. • The village has two more small villages Zanzari and Nimtola under its Grampanchayat

Mechanical Engineering

S.No.	Name of the faculty	Details of Investigation & Technology Transfer
1	R.V.Uddanwadiker	Complete process of Implant design and Manufacturing for Augmentation Rhinoplasty for nose surgery

Mining Engineering.

1	I L Muthreja, Dr R R Yerpude, Dr A D Ghare	Technical & Feasibility study of overburden rock of Dongri Buzurg & Kandri Mine for consolidated stowing in underground mines	Collaborative R & D project initiated and ongoing
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13. Seminars / Summer Schools /short Term Courses/ workshops

Applied Mechanics

1. Organized by VNIT

Name of the Coordinator	Title	Duration
Dr R S Sonparote	Analysis and design of RC Building	21 to 25 March 2015 (1 week)
Dr. Ratnesh Kumar & Dr. R. K. Ingle	Indo-Norwegian training programme on Seismic Design of Multi-Storey Buildings: IS 1893 vs Eurocode 8"	7-9 Dec, 2014 (3 Days)
Dr. R. S. Kotharkar and Dr. Ratnesh Kumar	Sustainable Built Environment for Growth with Resilience	Jan 9 -10, 2015 (2 Days)

Architecture & Planning

I. Organised by VNIT

Name of the Coordinator	Title	Duration
Rajashree Kotharkar	'Cool Roofs for Rural Poor: Saving Energy, Beating the Heat Affordably', Multi stake holder Workshop, Funded By World Bank Innovation Challenge Program, FY 2014, In Collaboration with International Institute of Information Technology, Hyderabad	11 th June 2014
Alpana Dongre Co-Coordinator	'Building Sustainability & Retrofitting', STTP under Industry Institute Interaction Cell at VNIT	28 th - 29 th November 2014
Dr. Rajashree Kotharkar, Head	Sustainable built environment for growth with resilience	09 th -10 th , January, 2015

II Guest Lectures Given outside the Institute

Name of the Faculty	Conference/Seminar/Organization	Topic	Dates
Alpana Dongre	Earthquake Resistant design workshop for Architecture students, NPEEE, IIT Kanpur	Earthquake Resistant Construction	29 th June to 5 th July 2014
Akshay Patil	One week training program on 'Research Methodology' organized by NIASA at Pune	Complexity Science, Paradigm shift	8 th July 2014
Rajashree Kotharkar	PWD, Irrigation Department	Green Buildings	
Rajashree Kotharkar	MEDA & NMC one day workshop on 'ECBC' at Nagpur	Introduction to Green Building	17 th Oct. 2014
Rajashree Kotharkar	MEDA one day workshop on 'ECBC' at Amravati	What is Green Building, its necessity & existing scenario	28 th Oct. 2014

Name of the Faculty	Conference/Seminar/Organization	Topic	Dates
Ar. Smita Pazare Senior Planner, CRDF, Ahmedabad	Guest Lecture and Interactive Session	Urban Planning	09 th and 10 th October, 2014
Mr. Vinay Deshmukh, Senior Director Oracle India Pvt. Ltd.	Guest Lecture and Interactive Session	Management Principles for successful life	21 st November, 2014
Dr. Minakshi Wankhede, Child Specialist	Guest Lecture and Interactive Session	Difficulties encountered by spastic children in build environment	09 th February, 2015
Ar. Surabhi Shringarey	Guest Lecture and Interactive Session	"How to read a book"	12 th February 2015
Ar. Snehal Shah, Practicing Architect & Visiting Faculty CEPT University, Ahmedabad	Guest Lecture and Interactive Session	Contemporary Works and Learning from history	13 th February 2015

Applied Chemistry

Name of the Coordinator	Title	Duration
Dr. Sujit Kumar Ghosh & Dr. Chayan Das	"Computational Drug Design using Molecular Docking and Virtual Screening"	12-14 th March, 2015

II Staff members deputed by the Institute

Name	Name of Programme	Organizing agency/sponsors	Date
Dr. J.D .Ekhe	Delevered Lecture on Gas Chromatography	M.B patel College Sakoli, Dist. Bhandara	
Dr. J.D .Ekhe	M.B Patel College Sakoli, Dist. Bhandara	Department Of Chemistry, RTM Nagpur University UGC, Refresher Course	
Dr.Ramani Motghare	Science for National Development -2015	Deptt of Applied Physics VNIT	March 14-15, 2015
Dr. Chayan Das	Short Research Project	Leibniz Institute of Polymer Research, Dresden, Germany	26 th May, 2014 to 27 th July, 2014
Dr.Susanta Kumar Nayak	Faculty Development Programme under TEQIP-II on Achieving Academic Excellence	IIM Raipur	March 23-28, 2015
Dr.Sorokhaibam Laxmi Gayatri	Faculty Development Programme on Academic Excellence	IIM Raipur under TEQIP II	23-28 March 2015

Chemical Engineering

I. Organised by VNIT

Name of the Coordinator	Title	Duration
Dr. K. L. Wasewar Dr. D. Z. Shende Dr. M. N. Varma	National Workshop on 'Advances in Explosive and Propellants'	17-18 April 2015
Dr. K. L. Wasewar	Short Term Course on 'Intensification in Process Industry'	30 th March 2015
Dr. K. L. Wasewar Dr. Vijayakumar R. P.	CHEMIX '14, A National Conference on Inter - & Intra – Disciplinary Blend of Chemical Engineering	28-29 March 2015
Dr. K. L. Wasewar	Interactive Workshop on 'Scope of Chemical Engineering in Biotechnology Industries and Its Financial Aspects'	30 th January 2015
Sachin A. Mandavagne Sonali Tajane Ashish Chaurasia	Three days intensive course on 'Process Equipment Design'	12 th -14 th September 2014

II. Staff members deputed by the Institute

Name	Name of Programme	Organizing agency / sponsors	Date
Dr. K. L. Wasewar	Residential Programme on Knowledge & Innovation Management	National Productivity Council 1 (NPC), Govt. of India, New Delhi	31 st May – 4 th June, 2014
Dr. K. L. Wasewar	4 th Asia-Pacific Conference on Ionic Liquids and Green Processes, Sydney Australia.	The University of New South Wales, Australia	28 Sept – 1 Oct. 2014
Dr. K. L. Wasewar	2 nd Int. Conference on Ionic Liquids in Separation and Purification Technology, Toronto, Canada,	University of Notre Dame, USA	June 29 – July 2, 2014
Dr. K. L. Wasewar	"CHEMIX -15" a National Conference on inter-disciplinary areas of chemical engineering	VNIT, Nagpur	March 28-29, 2015
Dr.S.S.Sonawane	Citation analysis and impact factor workshop	PHD Chamber of commerce, Delhi	27 th February 2015

Civil Engineering

I Organized by VNIT

Name of the Coordinator	Title	Duration
Dr. V. A. Mhaisalkar	Water Treatment Plant Design	January 06.01.2015 to 12.01.2015
Rajesh Gupta and A. R. Tembhurkar	Environmental Systems Modelling	8- 10 Jan 2015
R. V. Ralegaonkar	Short Term Training Program on 'Building Sustainability and Retrofitting'	28 th -29 th November 2014.
Dr. A. Mandal and Dr. A. Patel	STTP on Practical & Design Aspects in Geotechnical Engineering	2 Days (28 - 29 March 2015)
Dr.Tapan Chakrabarti	Training Programme on Approach to Remediation of Contaminated Sites in India	January 16-17,2015.

II. Staff members deputed by the Institute

Name	Name of Program	Organizing agency / sponsors	Date
Dr. R V Ralegaonkar	Training program on "Basic pedagogy training: Objective and outcome based education system-transforming engineering education to match global needs" EQUATE, New Delhi	VNIT, Nagpur	5-7 September 2014
Dilip H. Lataye	National forum on air quality management: transport, health and sustainability	Indian Institute of Technology Bombay, Mumbai (IITB), Maharashtra Pollution Control Board (MPCB), National Environmental Engineering Research Institute (NEERI), Mumbai and Washington University, St. Louis	January 21-23, 2015
Dr. S. R. Dongre	One Week ISTE STTP for Coordinators on Environmental Studies	MHRD, Govt. of India (Under the National Mission on Education through ICT) Conducted by IIT Bombay	23-27 March, 2015

Training Programs Organised



Computer Science & Engineering

I. Organised by VNIT

SN	Name of the Co-ordinator	Title	Duration
1	Dr. U.A. Deshpande, Dr. M.M. Dhabu	ACM – India Compute Conference	October 09-11, 2014
2	Manish P. Kurhekar, Ravindra B. Keskar, Umesh A. Deshpande	Research Promotion Workshop on Geometric and Graph Algorithms	15-17 January, 2015
3	M P Kurhekar (Co-ordinator for VNIT Remote Center)	Two Week ISTE Main Workshop on Computer Programming (Organized by IIT Bombay)	(Between) May 20th, 2014 to June 21st, 2014
4	Dr. P.S. Deshpande	Statistics using R	21 st August to 23 rd August 2014
5	Dr. P.S. Deshpande	ACM Compute	16-18 October 2014
6	R.B. Keskar	IBM BlueMix workshop	13 September, 2014.
7	D. D. Shrimankar	Two Week ISTE Main Workshop on Computer Networking (Organized by IIT Bombay)	5 th May to 10 th May, 2014
8	M.M. Dhabu	Two Week ISTE Main Workshop on Cyber Security (Organized by IIT Bombay)	10 th July to 20 th July, 2014

II. Staff members deputed by the Institute

Name	Name of the Programme	Organizing Agency / sponsors	Date
A. S. Mokhade	Design & Degree Show Conference	Design & Degree Show Conference	27-29th June, 2014
A. S. Mokhade	Workshop on “Software Effort Estimation”	Workshop on “Software Effort Estimation”	22nd August, 2014
A. S. Mokhade	National workshop on “Innovative in IT for Urban Local Bodies & Development Authorities”	National workshop on “Innovative in IT for Urban Local Bodies & Development Authorities”	17th September, 2014
S. A. Raut	Author’s Workshop	Dr. Sapate, Springer India	March 2015
S. A. Raut	Basic Pedagogy Training: objective and outcome based education system	Equate/TEQIP-II, VNIT, Nagpur	5 th to 7 th Sep. 2014
R.B. Keskar	Basic Pedagogy Training: objective and outcome based education system	Equate/TEQIP-II, VNIT, Nagpur	5 th to 7 th Sep. 2014
M.M. Dhabu	Basic Pedagogy Training: objective and outcome based education system	Equate/TEQIP-II, VNIT, Nagpur	5th to 7th Sep. 2014

Name	Name of the Programme	Organizing Agency / sponsors	Date
M.P. Kurhekar	Basic Pedagogy Training: objective and outcome based education system	Equate/TEQIP-II, VNIT, Nagpur	5th to 7th Sep. 2014
Dipti Shrimankar	Basic Pedagogy Training: objective and outcome based education system	Equate/TEQIP-II, VNIT, Nagpur	5th to 7th Sep. 2014
Mansi Radke	Basic Pedagogy Training: objective and outcome based education system	Equate/TEQIP-II, VNIT, Nagpur	5th to 7th Sep. 2014
M. M. Dhabu	ISTE Coordinators Workshop on Cyber Security	IIT-Bombay	17 th to 21 st May, 2014
D. D. Shrimankar	ISTE Coordinators Workshop on Computer Networking	IIT-Bombay	5 th to 9 th May, 2014
M.P. Kurhekar	ISTE Coordinators Workshop on Computer Programming	IIT-Bombay	21 st to 26 th April, 2014

Electrical Engineering

I. Organised by VNIT

Name of the Coordinator	Title	Duration
H. M. Suryawanshi M.S. Ballal	Smart Grid Application in collaboration with Imperial College London	09-10 th Jan.-2015.
H. M. Suryawanshi M.S. Ballal	Opal RT: Interfacing and Application	18-19 th September - 2014
M.S. Ballal H. M. Suryawanshi	Programming and DAQ device Interfacing and Applications	7-8 th Aug.2014
M. V.Aware, N.R.Patne	PQ issues and their mitigation	Jan 9-11,2014
M.V.Aware	Transformer condition Monitoring	6-8 March 2014
M.V.Aware	Workshop on "Sustainable and clean energy technology management"	8-9 Feb 2015
Prof. O.R.Jaiswal Prof.A.S.Junghare	Student Mentor Program (SMP) at VNIT Half-Day Workshop By Prof.V.M.Gadre (Prof. From IIT Mumbai)	14 th November 2014
Prof. O.R.Jaiswal Prof.A.S.Junghare	Student Mentor's interaction (student Mentors from VNIT and IIT Bombay) MHRD-TEQIP-KITE, IIT Bombay	28 and 29 th March 2014
Prof Anjali Junghare DeepaliDeshpande	Workshop on Women Empowerment Women's Day Celebration	9 TH April 2015

II. Staff members deputed by the Institute

Name	Name of Programme	Organizing agency / sponsors	Date
M.V.Aware	Solar Power techno economic analysis	WISE, Pune	June 2014
Anjali Junghare	"Dynamics & control in State Space"	QIP Short term course, IIT, Mumbai	May 19 - 23, 2014
P. S. Kulkarni	Short Course on 'Power Electronic Applications for Renewable Integration'	Electrical Engg. Department, IIT, Kanpur	30 th March – 01 st April 2015.

Electronics & Communication Engineering

I. Organized by VNIT

Name of the Coordinator	Title	Duration
Mrs. P. H. Ghare, Dr. A. G. Kothari & Mr. V. R. Satpute	Basic Pedagogy – 'Objective and Outcome Based Education System. Transforming Engineering Education to Match global needs.	5 th Sept – 7 th Sept, 2015
Mrs. P. H. Ghare, Dr. A. G. Kothari & Mr. V. R. Satpute	Basic Pedagogy – 'Objective and Outcome Based Education System. Transforming Engineering Education to Match global needs.	25 th Sept – 27 th Sept, 2014
Mrs. P. H. Ghare	Advance Digital System Design using FPGA	26 th March-1 st April, 2015
Dr. K. M. Bhurchandi	Embedded Design using ATMEL 8 bit & 32 Bit Micro Controllers	15 th to 16 th December 2014
Dr. K. M. Bhurchandi	Seminar on "How to identify R & D project topics and write proposals for funding	22 nd January-2015
Dr. K. M. Bhurchandi	Under water signal processing algorithms for Indian Scenario	26 th Feb. 2015
Dr. A. G. Kothari	Antenna Workshop	8 th Nov 2014 -16 th Nov. 2014
J. Sengupta	Arrange a Lecture series on "EMI & EMC" under TEQIP II	10 th -13 th November 2013
J. Sengupta	Self sponsored STC on Advanced Digital Signal Processing & its Applications	5 th -9 th May 2014
Sanjay B. Dhok, Joydeep Sengupta and Vinay Kumar	Advanced Digital Signal Processing and its application	5-9 th May 2014

II. Staff members deputed by the Institute

S.No.	Name of faculty	Name of Program	Date(s) of conference
01	Dr. K. D. Kulat	IIT Bombay National Conference on Communications	Feb 27-March 1, 2015
02	P.H.Ghare	IIT, Bombay	27 th Feb – 01 st March, 2015
03	Prof Abhay Gandhi	IIT Bombay National Conference on Communications	Feb 27-March 1, 2015
04	Dr. A. G. Kothari	IIT Bombay National Conference on Communications	Feb 27-March 1, 2015
05	Dr. A. G. Kothari	USA MOU	28 th November, 2014
06	Dr. A. G. Keskar	IIT Bombay National Conference on Communications	Feb 27-March 1, 2015
07	Dr. K. M. Bhurchandi	USA MOU	18 th September 2014
08	V. R. Satpute	IEEE International Symposium on Signal Processing and Information Technology	December 15-17, 2014
09	V. R. Satpute	9th IEEE International Conference on Industrial and Information Systems (ICIIS2014)	December 15-17, 2014

Mechanical Engineering

I. Organized by VNIT

Name of the Coordinator	Title	Duration
Dr. A. B. An dhare & P. V. Kane	Self-financed training program on Vibration Analysis and Condition Monitoring	18-20 March 2015
Dr. Rashmi Uddanwadikar	Non-linear, contact & Transient Analysis using ANSYS	3 days
Dr. S B Thombre	Solar Thermal power an IIT Bombay initiative (Dr. J K Nayak)	One day 28/6/14
Dr. S B Thombre	Renewable Energy Systems (Dr. L K Shripathi)	One day 24/6/14
Dr. Y. M. Puri	Self sponsored workshop on CAM tools (03/03/15)	One day
A.B.Andhare and R.V. uddanwadiker	Exhibition at Indian Science Congress	Jan 2015
Dr. Y. M. Puri	Self sponsored workshop on CAM tools (28/03/15)	One day

II. Staff members deputed by the Institute

Name	Name of Program	Organizing agency / sponsors	Date
P V Kane	Basic Pedagogy	TEQIP-VNIT	September 2014
Dr. A. B. Andhare	Basic Pedagogy	TEQIP-VNIT	September 2014
Dr. Rashmi Uddanwadikar	Basic Pedagogy Training: Objective and outcome based Education system - Transforming Engineering Education to Match Global Needs	EQUATE, New Delhi	5-7th September 2014

Mettalurgical & Material Engineering

1. Organized by VNIT

Name of the Coordinator	Title	Duration
Dr. D. R. Peshwe- Convener Dr. J.G. Bhatt- Co-convener Dr.M.M.Thawre- Co-convener	XVIII National Seminar on Aerospace Structures (NASAS)	15-17 Dec 2015
Dr. D. R. Peshwe	Renaissance	22-23 March 2015

II. Staff members deputed by the Institute

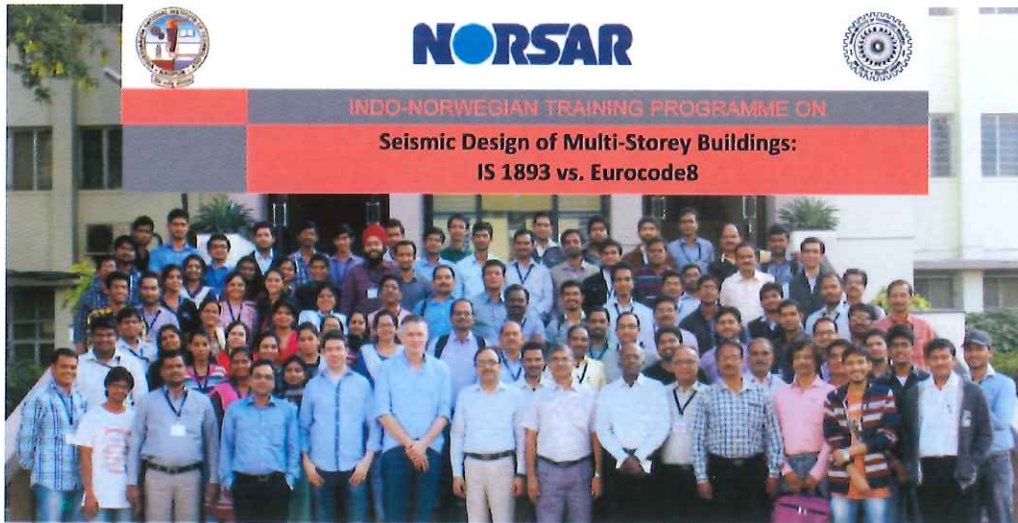
Name	Name of Program	Organizing agency / sponsors	Date
Dr. R.V.Taiwade Dr. M.M.Thawre Dr.J.G.Bhatt Y.Y.Mahajan	Basic Pedagogy Training : Objective and Outcome based Education-System Transforming Engineering Education to Match Global Needs" under TEQIP II Section 1.2.	VNIT Nagpur + EQUATE, New Delhi	25-27 Sept. 2014

Mining Engineering
I. Organized by VNIT

Name of the Coordinator	Title	Duration
Dept of Mining Engineering & VNIT Mining Alumni Association Convener: M S Tiwari	National Summit on "Challenges Before Mining Industry for sustainable developemnt"	2 days 22-23 November 2014

Applied Physics
I. Organized by VNIT

Name of the Coordinator	Title	Duration
Dr. V.K. Deshpande	Organized a National Seminar on "Science for National Development" SND-2015.	14-15 March 2015
Dr.R.S.Gedam & Dr. B.R. Sankapal	Short Term Training Program (STTP) on "Materials: Synthesis to Diverse Applications (MSDA)-2014" (Self Financed)	December 18-22, 2014



Training Programs

14. Patents

Sr. No.	Name of Faculty	Patent title	Application No. with date	Present status
Applied Chemistry				
1.	K.N.Pande, D.R.Peshwe & Anupama Kumar	Effectiveness of Optimised Cryo-treatment on polymer composite	1724/MUM/2014 25 th June,2014	Filed
2	Dr.Sorokhaibam Laxmi Gayatri	Novel adsorbent for removing pollutants/chemicals from aqueous as well as organic streams and preparation thereof	Provisional filing number: 2586-DEL-2014	Filed
Chemical Engineering				
1	Dr.S.S.Sonawane & Mr.Rahul N.Sharma	Development of Packing Material for Liquid-Liquid Extraction"	No.:1538/MUM/2014 C.B.R. No:6992 Docket No: 9707	Publish ed
2	Dr.S.S.Sonawane & Mr.Rahul N.Sharma	Development of Novel Al ₂ O ₃ and OMMT nano packing material for Liquid-Liquid Extraction	No:2155/Mum/2014 C.B.R. No:10574 Docket No: 14403	Publish ed
Civil Engineering				
1	Y B Katpatal	Generation of Cumulative Road Network Service Quality Index for Road Networks in an Urban Area using Geo-informatics Approach	TEMP/E-1/6073/2015-MUM DATED 05/03/2015	Under Process
2	Y B Katpatal	System for Generating Geotechnical Strength Characteristics in GIS from Geological Parameters for Foundation Designing	TEMP/E-1/6073/2015-MUM DATED 05/03/2015	Under Process
3	Rahul V Ralegaonkar, M. V Madurwar	Energy efficient building blocks & method of making the same	N0.-2506/MUM/2013, ref.- CBR No. 1104 dated 29/7/2013	Filed
4	Rahul V Ralegaonkar, S A Mandavgane	Reflecting cum insulating material for thermal shielding in the built environment	N0.-2506/MUM/2013, ref.- CBR No. 1104 dated 29/7/2013	Publish ed, Publica tion date-27/09/2013 Journal

Sr. No.	Name of Faculty	Patent title	Application No. with date	Present status
5	Ritesh Vijay, A. Sharma, T. Chakrabarti, Rajesh Gupta and S. R. Wate	GIS based Noise Simulation Software: <i>N-GNOIS</i>	Registration to Copyright Office, New Delhi, on February 13, 2015, through IPMD, Council of Scientific and Industrial Research (CSIR), New Delhi)	Copyright yet to be awarded
Computer Science & Engineering				
1	Dr. S.A. Raut	Information Mining in Microarray Gene Expression Analysis	1783/MUM/2014A 29/08/2014	Patent filed and published in the month of Aug. 2014
Electrical Engineering				
1	H.M. Suryawanshi M. S. Ballal	Remote condition monitoring system for distribution transformer	3749/MUM/2014 26/11/2014	Published
2	H.M. Suryawanshi M. S. Ballal	The online comprehensive system for Monitoring, controlling, Metering and Protection of domestic/distributed generation	839/MUM/2014 29/04/2014	Published
3	H.M. Suryawanshi M. S. Ballal	Intelligent condition monitoring system for grid interconnected / power transformers	2660/MUM/2013 14/08/2013	Published
4	H.M. Suryawanshi M. S. Ballal	Binary system based on - line model for the condition monitoring of power transformers in utilities and consumer's substations	1316/MUM/2013 04/04/2013	Published
5	M.V. Aware	Development of Piezo -wheel for Electric Vehicle.	3398/MUM/2014	Filed
Electronics & Communication Engineering				
01	Dr. K. M. Bhurchandi	Assistive device for navigation in the dark or no-visibility ambience	No. 406/MUM/2014 05/02/2014	already filed
02	Dr. K. M. Bhurchandi	Rapid Reconfigurable Modular Robot System	No. 319/MUM/2014 29/01/2014	already filed

Sr. No.	Name of Faculty	Patent title	Application No. with date	Present status
Mechanical Engineering				
1	Dr. Ms. S S Chiddarwar	Reconfigurable snake robot	-	
2	Dr. S. S. Chiddarwar	Method of generating trajectory for treating a surface for use in a robotic device	317/MUM/2015 06.04.2015	Filed
3	Dr. R.V. Uddanwadikar	Torsion testing equipment for dental archwires used for crooked teeth	2228/MUM/2014	Under evaluation
4	Dr. A B Andhare	Mechanism for transferring load horizontally and vertically and vice versa".		Submitted
5	Dr. Y. M. Puri	Method and apparatus for electrical discharge machining of curved hole	1505/MUM/2012 17/05/2012	Published
Metallurgical & Materials Engineering				
1.	Dr. Kavita Pande, Dr. D.R.Peshwe A. Kumar	Filed patent on "Effectiveness of optimized cryo-treatment on polymer Composite"	1724/NUM/2014	(In process)
Mining Engineering				
1	Dr I L Muthreja with Prof Ajay Agrawal	Efficient Zn++ ions removal techniques from aqueous solution using mixture of fly ash and chitosan and its environmental friendly disposal by solidification with Portland Cement	1818/MUM/2014A dated 2/6/2014	Published on 15/8/2014



Books

15. Books authored during the year 2014-15

Sr. No.	Author	Title of the Book	Publisher
Applied Mechanics			
1.	R S Sonparote	Matrix Method of Structural Analysis	PHI, India
Applied Chemistry			
2.	Anupama Kumar, Sushma Pardeshi, Rita Dhodapkar	“Handbook of sustainable polymers: processing and application” (Contributed a Chapter entitled “Molecularly Imprinted Polymers: A versatile tool in pharmaceutical applications”)	Pan Stanford Publishing Pte Ltd (the “Publisher”), Singapore, 2014
3.	Laxmi Gayatri Sorokhaibam, M. Ahmaruzzaman	Book Chapter on Phenolic Wastewater treatment: Development and applications of new adsorbent materials in Industrial Wastewater Treatment, Recycling & Reuse	Butterworth-Heinemann, Elsevier, Oxford, UK, ISBN: 9780080999685, Page: 323-368, 2014
4.	Vinay M. Bhandari, Laxmi Gayatri Sorokhaibam, Vivek V. Ranade	Book chapter on Ion Exchange Catalysis: An Overview in Industrial Catalytic Processes for Fine and Specialty Chemicals	Elsevier (submitted)
Civil Engineering			
5.	Tapan Chakrabarti (2014)	Emergence of Green Technologies Towards Sustainable Growth	Springer India.
6.	Tapan Chakrabarti Abhay Fulke, K. Krishnamurthi, S. Saravana Devi (2014)	CO ₂ Sequestration by Microalgae: Advances and Perspectives.	Recent Advances in Microalgal Biotechnology, Omics publisher, California, USA.
Electronics and Communication Engineering			
7.	Vishal R. Satpute, Ch. Naveen, Kishore D. Kulat, Avinash G. Keskar	“Fast and Memory Efficient 3D-DWT Based Video Encoding Techniques with EZW Based Video Compression Mechanism”,	Transactions on Engineering Technologies, 2015, publisher Springer, pp 397-412, ISBN: 978-94-017-9587-6.
8.	Abhay Gandhi	Analog and Digital Communications: Theory and Lab Work, 1/e	Cengage Publication
Mechanical Engineering			
9.	DR. Mrs. R V Uddanwadikar and Dr. P M Padole	Analysis of Dental structures: A Finite Element Approach	Create space, marketed by Amazon

16. General information : Library

Total : 1,61,954 (Books, Journals, and Standards & Non Book materials)

Collection of Books

General Books – 70,698
Book Bank – 28,574
Social Welfare Book Bank – 15,978
Gratis Books – 4235
British Council Book Bank – 291
Addl. Intake 120 - 256

(Total Books –1,35,849)

E-Books – 4948
Book from Students Aid Fund – 3,941
UGC Book Bank - 483
UGC / SAF Books – 4,331
Book Bank Scheme for ST – 386
UG Project Report/PG/PhDs Thesis -1,728

Periodicals

National Print – 37
Gratis Periodicals & Pamphlets – 73
Bound Volumes – 13,754

(Total Periodicals & Bound Volumes – 14,615)

International Print - 45
E-Journal through Indiatata (New Delhi) - 01
E- Journals (Through ACS) – 41
E- Journals (Through T & F) – 01
E- Journals – (1 Set) 425
E-Journals – 06 Complimentary
E- Standards – 155 Complimentary
E- Conference Papers – 77 Complimentary
(Through IEL for 2 Years) (2013-14 & 2014-15)

Standards

Indian Standards – 8,759

(Total Indian & Foreign Standards – 9,096)

Society Standards – 337

Non-Book Material

CDs & Floppy's -1366
Audio / Video Material – 730

(Total Non Book Material – 2394)

Audio Visual Material - 298

Expenditure during the year (1st April 2014 to 31st March 2015)

Sr. No.	Grants	Amount Allocation	Amount Spent	Volumes added
1	General Books & Maps	20.00 Lac	7,07,842.38	228
2	Book Bank Books		2,52,373.10	624
3	Books TEQIP - II	1.00 Lac	26,736.20	206
4	E-Books TEQIP - II	43,402 EU	43,402 EU (Rs. 30,53,281.13)	884
5	Periodicals & News Papers	28,17,014.00	28,17,014.00	955
5	IEL – Online Periodicals For 2013-14 & 2014-15	52,57,728.00	52,57,728.00	(1 Set) 425+ (238 Complimentary) = 663

Details of electronics resources available through INDEST:

ACM Digital Library, ASCE Journals, ASME Journals, IEL Online, and Springer Verlag's Link.

Highlights:

1. Web Based Library Information is available at URL <http://192.168.15.27001>
2. The E-resources are also available through our www.vnit.ac.in web sites- Library-Electronic resources during this year of report.
3. Xerox copies services of Research Papers/ Periodicals Article.
4. The NPTEL are also made accessible through www.vnit.ac.in web sites.
5. The emerging technology called RFID has been in its functioning mode from June 2011. The most advantage of this technology is to find out the misplacement of books. 'N' Numbers of books can be transacted within seconds thus avoiding long queue near Circulation Counter with the help of INFORMATION KIOSK. The circulation can be done outside working hours with the help of INFORMATION KIOSK.
6. The CCTV Technology is implemented in LIRC. The advantage of this technology is to detect theft, misplacement of Books and the suspicious movement of clientele.

Regular Services:

- Circulation
- CAS
- SDI
- OPAC
- Reference
- Serials Reading
- Photocopying
- Reading Material Searching & Retrieval
- Book-Bank & SWBB, Internet Access
- On Line Full Text/Images Article Retrieval through INDEST

Special Services Provided On Demand:

- Technical Enquiry Service
- Industries Institute Interaction
- Frequently Asked Question, Referral Services

17. Major Departmental Laboratories

Applied Mechanics

1. Engineering Mechanics Laboratory
2. Computer Laboratory
3. Strength of Material Laboratory
4. Instrumentation Laboratory
5. Structural Dynamics Laboratory
6. Structural Analysis Laboratory
7. Structure/Earthquake Engineering Laboratory
8. Research Scholar Laboratory
9. Reading Room (Departmental Library)
10. Data processing Laboratory
11. Advance computing Laboratory
12. Concrete Laboratory

Architecture & Planning

1. Computer lab
2. Photography Lab
3. Carpentry Lab (Modelling Workshop)
4. Building material Bureau
5. Climatology Lab
6. Construction Technology Lab.
7. Acoustics and Illumination Lab.

**** In addition department maintains Departmental library**

Applied Chemistry

1. UG Laboratory for B.Tech. 1st& 2nd Sem.
2. Physical Chemistry Laboratory – 3rd sem. Chemical Engg.
3. Organic Chemistry & Synthesis Lab. – 3rd Sem. Chemical Engg.
4. Organic Chemical Technology Lab. – 4th Sem. Chemical Engg.
5. Organic chemistry lab - PG Laboratory for M.Sc. 1st Semester
6. Inorganic Chemistry Lab - PG Laboratory for M.Sc. 2nd Semester
7. Physical Chemistry Lab - PG Laboratory for M.Sc. 1stSemester
8. Analytical Chemistry Lab - PG Laboratory for M.Sc. 2nd Semester
9. Synthesis and Characterisation Lab- PG Laboratory for M.Sc. 3rd Semester
10. Computational chemistry Laboaratory- M.Sc. 3rd Semester

Chemical Engineering

1. Advance Separation Processes
2. Chemical Reaction Engineering
3. Modelling and Simulation laboratory
4. Process Control Lab
5. Heat Transfer
6. Mass transfer

7. Mechanical operation
8. Fluid mechanics
9. Technical Analysis

Civil Engineering

1. Engineering Geology
2. Remote Sensing and GIS
3. Environmental Chemistry
4. Environmental Microbiology
5. Civil Engineering Computer lab
6. Building Materials and Technology
7. Concrete Technology
8. Transportation Engineering
9. Geotechnical Engineering
10. Surveying lab.
11. Water Resources Engineering

Computer Science & Engineering

1. Basic Electrical Lab.
2. Measurement and Instrumentation Lab.
3. Network Theory Lab.
4. Electrical Machines Lab.
5. UG Computer Lab.
6. Control System Lab.
7. Electrical Workshop
8. Microprocessor Lab.
9. Power Electronics Lab.
10. Non-Conventional Energy Lab.
11. Power System Protection Lab.
12. High Voltage Lab.
13. PG Computer Lab.
14. Drive Lab.
15. Research Lab.

Electronics and Communication Engineering

1. EDC-DIC Lab. –I
2. EDC-DIC Lab. –II
3. Electronics Workshop
4. Microprocessor Lab.
5. DSP Laboratory
6. Embedded Electronics Labs.
7. Communication Electronics Lab.
8. Communication Networking Lab.
9. VLSI Lab.

10. RFCD Lab.
11. Analog Circuits Lab.
12. Integrated Circuit and System Design Lab (ICS DL) (Formerly known as VLSI Design Lab)
13. Electrical Characterization Lab
14. EDA Lab
15. High Performance Computation Lab (HPC Lab)
16. National MEMS Design Center (NMDC)
17. Image Processing and Computer Vision Laboratory
18. Advanced Embedded Lab
19. Advanced Research Lab(BRNS)

Mechanical Engineering

1. CAD-CAM lab
2. Biomechanical lab
3. Hydraulics and fluid power lab
4. Heat transfer lab
5. IC engine lab
6. Robotics lab
7. Flexible manufacturing system lab
8. Robotics
9. Metrology and quality assurance
10. Advance measurement lab
11. Refrigeration and air conditioning lab
12. Ergonomics lab
13. Tribology and Dynamic Laboratory

Metallurgical & Materials Engineering.

1. Testing Of Materials
2. Physical Metallurgy
3. Thermal Characterization Lab
4. Wear Lab
5. Welding lab
6. Foundry Technology Lab
7. Chemical Characterization Lab
8. Polymer Processing lab
9. XRD & SEM Lab
10. Corrosion Lab

Mining Engineering

1. Rock Mechanics and Ground Control Laboratory
2. Mine Surveying Laboratory
3. Mine Machinery Laboratory
4. Mine Environment Laboratory
5. Mine Systems and Design Laboratory
6. Rock Blasting Laboratory

Workshop

Workshop carries out practical based teaching in conventional workshop practices to B.Tech courses in areas like Fitting, Carpentry, Welding, Turning, Milling, Drilling, Pattern making and Foundry. Carpentry section is equipped with 'Bosch Power Tools'.

Workshop is having CNC center with two CNC lathe machines and one CNC milling machine (VMC) and further its up gradation with simulation software for CNC milling and CNC turning for 10 user license is under consideration. Workshop arranges short term training programs for introduction of 'Basic machining and fabrication skills' with practical exposure to school dropout children of the society.

Workshop is having well equipped seminar hall with intension to develop a audio-visual lab for showing hightech machining process videos those processes otherwise can be seen in industrial scenario only

Hospital, Post Office, Shopping Centre and Other Facilities

Hospital

The Institute has a dispensary popularly known as Health Care Centre. A residential medical Officer with a team of part time lady doctor and visiting doctors in Ayurveda, Homeopathy, Physiotherapy, ENT, and eye specialist cater to needs to the staff, their families and students of the Institute.

The Dispensary also provides services of a Psychologist and a Dietician. Routine pathology tests are carried out in the dispensary. A Dental Centre and Yoga Centre also are housed in the Dispensary premises. The Institute firmly advocates holistic approach. Periodical Health Awareness Camps / lectures are conducted in dispensary by inviting experts in Medical / Health Services. Blood Donation camps are also organized from time to time.

Post Office

An independent building is made available to the postal department for providing postal services to the students and staff of the Institute.

Shopping Centre

The Institute has a shopping centre in the hostel area. It has a fruit stall, cycle repairing shop, hair cutting saloon, flour mill, stationary shop, tea stall and also a well furnished canteen. Cafeteria is also housed on the campus.

Physical facilities

Each hostel has a Volley Ball ground, Table Tennis rooms, Badminton courts. All hostels have a common ground for Hockey and Football. The Institute has a Cricket ground with turf wicket. A well equipped state-of-the art Gymnasium and a well equipped Physiotherapy Centre are also housed on the campus. The campus attracts good number of joggers from the city. The campus has a Recreation Club for supporting staff and Staff Club for teachers and officers. The campus has a fully air-conditioned Guest House with dining facility.

Games and Sports facilities

- One cricket ground with six turf wickets.
- One football ground with flood light arrangement.
- Two volleyball courts with flood light
- Three lawn tennis courts.
- One flood-lit basketball court.
- Well equipped gymnasium
- Table tennis hall
- Cricket pavilion with the seating capacity of 500 students



Students' Co-Curricular Activities

Building Nation at VNIT





Encouraging Students at VNIT



Glimpses

**Mr. Vishram Jamdar,
The chairman,
Board of Governors
VNIT, Nagpur**



**Alumni Association
and Support to VNIT**





Village Upliftment Initiatives



The Joy of Giving





Hindi Publicity



Women cell

- Indoor badminton stadium with four wooden sprung surfaced badminton courts
- A big hall to accommodate at least 12 table tennis tables
- A hall to Practice Yoga
- Class rooms
- Sports Medicine Research Lab

18. Other facilities : Hostel, Messes, Staff Quarters, Administrative buildings

1. Total Number of Hostels	:	a) Boys Hostels- 8 Nos.- Capacity 3058 students
		b) Girls Hostels - 6 Nos. - Capacity 665 students
		c) Transit Accommodation - 48 Students
2. Total Number of Quarters	:	a) Type I (Class IV) -28 Nos.
		b) Type II (Class III) -33 Nos.
		c) Type III (Asth. Lect) - 08 Nos.
		d) Type IV (Lecturer) -42 Nos.
		e) Type V (Ass. Prof.) -18 Nos.
		f) Type VI (Prof.) -21 Nos.
3. Total No. of Classrooms & their capacity:	a) Class rooms	: 100 capacity- 14 Nos.
		: 60 capacity - 28 Nos.
		: 50 capacity - 04 Nos.
		: 40 capacity - 13 Nos.
		: 30 capacity - 13 Nos.
<hr/>		
		Total = 72 Nos.
4. Number of Playgrounds	:	10 Nos.
5. Number of Gymnasium	:	02 Nos.
6. Number of Auditorium	:	01 No.
7. No. of Seminar Halls/ Conference Halls:	:	08 Nos.
8. Any other Facilities available in the Campus:	Medical centre, Shopping centre, Banks, ATMs, Post office, Canteen, Recreation clubs.	

19. Notable Achievements / Highlights

Ranking

Times Engineering has ranked VNIT Nagpur as overall **11th Best Engineering Institute**.

Director's Visit

- Dr. Narendra Chaudhari, Director VNIT was a part of academic delegation with Hon. President of India Shri Pranab Mukherjee during his excellencies visit to Belarus and Sweden during 31st May to 4th June, 2015.
- Director, VNIT also visited France, Germany and Netherland as a part of FICCI Higher Education delegation during 21st -27th June, 2015.

Students Achievement

- Three students of VNIT visited Rashtrapati Bhavan for presenting their novel research ideas, New Delhi in 2015.
 1. Vincent Shantha Kumar Ph. D student from the Metallurgical and Materials Engineering Department selected for 'NITS Scholars In-Residence Programme' at Rashtrapati Bhavan, on 11-17 April, 2015
 2. Ranjit Bhinge, 4th year B.Tech Student from Electrical Engineering Department for Festival of Innovation held on 7-13 March, 2015.
 3. Anshul Paigwar, 3rd year B.Tech Student from Mechanical Engineering Department for Festival of Innovation held on 7-13 March, 2015
- Two meritorious students of VNIT invited for the Republic Day Parade 2015 from the Prime Minister's Box at Rajpath.
 1. Idris Manaqibwala, 3rd year B.Tech Student from Civil Engineering Department
 2. Prem Ramesh Auti, 4th year B.Tech Student from Mechanical Engineering Department
- Three VNIT students received O.P. Jindal Scholarship (Bank Cheques of Rs. 80, 000 for each Engineering Students & Certificates) on January 2015. These scholarships are aimed at promoting academic and leadership excellence and are awarded to meritorious students and have the potential to become leaders in entrepreneurial excellence and innovation.
 1. Siddhant Prakash Goyal
 2. Pundalik Gaurav Girish
 3. Akshay Shrivastava
- VNIT students scored All India Rank in GATE 2015 exam.
 1. Srijay Parag Deshpande of B.Tech. Final year Computer Science and Engineering has scored 12th All India Rank in GATE 2015 exam.
 2. Swapnil Kakde of B.Tech Computer Science and Engineering 2014 pass-out batch has scored 83rd All India Rank in GATE 2015 exam.
- Mr. Ajay Damodkar, B. Tech. Electrical Engineering Department student spent one month internship at TUM Munich, Germany for working on sensor-less drives.

Departmental Achievements

Applied Mechanics

Mr. Pravin Kumar Rao received Innovative student projects Award 2014 at Master's level by Indian National Academy of Engineering

Architecture & Planning

- Department of Architecture and Planning got third prize in participation in Hindi Rajbhasha Prachar-Prasar
- Students of Architecture designed and made the memento give to Dr. A.P.J. Kalam at Axis 2014

Faculty Achievement

- V.S. Adane, A.R. Dongre, V.K. Bakde, V.S. Kapse, A.P. Patil, A.M. Deshmukh, K.N. Joglekar: Appointed as Experts by Council of Architecture for Inspection of Colleges.
- Vijay S. Kapse nominated as member of Academic Council, SPA, Vijaywada
- Vijay S. Kapse, Chandra Sabnani, Akshay Patil, Smita Khan, Sameer Deshkar and Vidya V. Ghuge: Completed PhD.
- Vilas Bakde submitted Ph.D. under QIP to IIT Rorkee

Rajashree Kotharkar

- First Prize for Paper titled, 'Assessment of the Impact of Cool Roofs in Rural Buildings in India' at Third International Conference on Counter Measures to Urban Heat Island, Venice (Italy) on October 13 to 15, 2014
- Qualifies as Energy Conservation Building Code (ECBC) Master Trainer
- Examiner at SPA, Delhi for M.Tech. in Environmental Planning in May 2014
- Reviewer for International Journal "Science for Total Environment"
- Fourth IC2UHI planning committee member, conference to be held at NUs, in 2016

Alpana Dongre

- Examiner for Post Graduate by research 'Urban design International, Palgrave', at RTM Nagpur University

V.S. Kapse

- Nominated member in Academic Council, SPA, Vijaywada
- Elected as national council member of ITPI for the term 2014-15
- Invited as Repporture in National Congress of ITPI, New Delhi at Pune on 8-10th Jan 2014
- Staff Selection Committee for "Teacher Trainee" for NIT, Uttarakhand at IIT, Roorkee on 28th May 2014.
- Council of Architecture nominee for Staff Selection Committee at Dignity College of Architecture, Bhilai.
- Selection Board of Deputy Architect for CPWD at Union Public Service Commission, New Delhi from 28th July to 1st Aug. 2014.
- Nominated as a member of Selection committee of Selection of Architect through Architectural Competition for Building Projects of NIT, Roulkela on 16th Aug. 2014.

- Expert member of committee for approval of Architectural Design of various Buildings of NIT, Uttarakhand on 6th & 7th Sept. 2014.
- Expert member of committee for evaluation Master Plan of Washim city, Town Planning Dept., Govt. Of Maharashtra, Nov 2104.
- Elected as Chairman of Chapter Building Committee of Institute of Town Planners, India, Maharashtra Regional Chapter, Nagpur.
- Represented as BOG and BWC member at School Planning and Architecture, Vijayawada, Andra Pradesh.
- Invited as an Expert member by AICTE, New Delhi for
 - Standing Appellate Committee,
 - Standing Complaint Committee,
 - Scrutiny Committee and
 - Expert Visit Committee
- Invited by Council of Architecture, New Delhi as Expert member of Inspection Committee to visit school at Hyderabad.
- Institute of Town Planners, India, New Delhi nominated the member of
 - Board of Planning Education,
 - Education Standing Committee,
 - Board of examination
 - Regional Chapter Building Committee
- Visited as AICTE expert to SGS College of Engineering and Technology, Nanded, Maharashtra on 17th Oct. 2014 for evaluation of construction of Boys Hostel.
- Invited as advisor by NIT, Silchar for starting of New Architecture program.
- Invited as Expert member for finalization of Campus plan of NIT, Uttarakhand.
- Invited as BC representative in Staff Selection Committee, NIT Uttarakhand.
- Dept. of Town Planning, Govt. of Maharashtra nominated as expert member for evaluation the Master Plan of Deori, Dist.- Wardha, Chikhaldara, Dist.-Amaraoti and Ner-Nababganj, Dist- Yavatmal.
- Guided Associate examination thesis (equivalent to M. Planning) of ITPI. Title – Impact of Guntwari Act 2001: A case study of Nagpur City. Scholar – Sanjay Barai, Town Planner, Dept. Of Town Planning, Govt. Of Maharashtra.
- A.P. Patil:
 - Appointed as Examiner-cum Observer for Stage-I, B.Arch. Examination Conducted by CoA, New Delhi at Malviya National Institute of Technology, Jaipur, on 15-16 February, 2014
 - Appointed as Examiner at School of Architecture, CEPT (PG – Urban Design)
- Aniket Deshmukh:
 - Member, Education standing Committee ITPI, New Delhi session 2014-15
- Sameer Deshkar:
 - Expert Lecture on Resettlement and Rehabilitation at Aurangabad, on 5-6 April 2014
 - Member of board of studies for M. Plan (Environment Management) at School of Planning & Architecture, Bhopal, 2014-15)

- Reviewer for International Journal of Resilience in Built Environments, Salford, UK.
- Book Chapter titled "Community Resilience approach for prioritising infrastructure development in urban areas" under publication- Springer Publication, Oct 2014
- Consultancy project for Design of Regional Training center HVPC, Chandrapur. Estimated Cost- 1.5 crore, Status- Drawing & Design (On-going), Oct. 2014
- Coordination Faculty for MoA signed with Asian University Network for Environment and Disaster Management, Nov 2014
- Joint Coordinator for Indo-Japan-Myanmar International Seminar 2015 held at Aichi Gakuin University, Nagoya, Japan, March 2015
- Pankaj Bahadure
 - Reviewer for the Journal 'Cities' and Journal of Science Research Reporter
 - Examiner for Urban Planning Course (B.Arch.) at SPA Bhopal on 13th and 14th May 2014

Applied Chemistry

Dr. J.D. Ekhe

Worked as Reviewer of International Journals including ACS, Elsevier Publications

Dr. Anupama Kumar

- Awarded second prize for the posters presented by the research student working under the supervision of Dr. Anupama Kumar in the National Conference on "Recent Advances in Polymer Science and Technology" at LIT, Nagpur during 23-25 January, 2015.
- 9th edition of the Hindi Magazine of the Institute "Rajbhasha Prerna" won 3rd prize amongst 150 Magazine. Dr. Anupama Kumar was the Chairperson for this 9th edition. Prizes were given by Nagar Rajbhasha Karyanvayan Samiti (NARAKAS) on 26th February, 2015
- Dr. Anupama Kumar reviewed papers from Springer, Taylor and Francis and Elsevier and got free access to Scopus twice.
- Dr. Anupama Kumar was invited as women representative at NIT Uttarakhand for one of the Interviews during October, 2014.
- As per the Journal report sent by Food Chemistry (Elsevier; Impact factor: 3.26) and Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Impact factor: 2.1; Elsevier) research paper in the vol 146, 385–393, March-2014 and vol 116, 562-573, December, 2013 published by Dr. Anupama Kumar was viewed/ downloaded 1160 times and 310 times respectively.
- Dr. Anupama Kumar was invited as "Guest of Honour" at for the prize distribution and for the Valedictory function of "Science association" at Manoharbhair Patel College of Arts, Commerce & Science, Sakoli on 13th March, 2015

Dr. Sujit Kumar Ghosh

- Worked as Reviewer of International SCI Journals of Elsevier science.
- Invited talk: STTP on "Recent Trends in Heterocyclic Compounds and Material Science", going to be held from 26-30 May 2014, in Department of Chemistry, National Institute of Technology, Raipur.
- Invited Talk: Department of Applied Physics, VNIT Nagpur on "Single molecule Electron Transfer Dynamics in Dye-Sensitized TiO₂ Nanoparticles" in December 2014.

Dr.Chayan Das

- Visited Leibniz Institute of Polymer Research, Dresden, Germany as a Guest researcher during May-July, 2014
- Reviewed several research papers of J. App. polym Sc. (Wiley& Sons.)

Dr.Sangesh Zodape

- Invited lectutre at 12th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM-2014) at Greece, Rhodes Palace Hotel, Rhodes during September 22-26, 2014.
- Invited lectutre on at workshop on Hadronic Chemistry, Mathematics and Physics held at at Department of chemistry, RTMNU. Nagpur during October 21-26, 2013.

Dr.Umesh Pratap

Editorial board member of Journal of Chemistry & Applied Biochemistry (Open science publication)

Chemical Engineering

Dr. Kailas L. Wasewar Delivered Expert talks/ lectures:

- Intensification in Process Industry' on 6th April 2015 at Department of Chemical Engineering, Lakshmi Narain College of Technology (LNCT), Bhopal.
- Advance Application of Nanotechnology', One Week STTP on Application of Bioprocess and Nanotechnology in Chemical Engineering 18 – 22 December 2014, Department of Chemical Engineering, SGGS Institute of Engineering and Technology Nanded. 22nd December 2014.
- Research and Its Components', Short Term Course On Recent Research Methodologies And Instrumentation Techniques On Chemical And Bio-Medical Engineering 15 – 19 December 2014, Department of Chemical and Bio-Medical Engineering, National Institute of Technology (NIT), Raipur C.G. 15th December 2014
- Innovations in Process Industry' Keynote Speaker in 'National Conference on “Innovative Trends in Applied Sciences, Humanities, Management and Environment' on Oct 14, 2014 at Shri Vaishnav Institute of Technology Indore.
- Basics Of Computational Fluid Dynamics (CFD) for Chemical Engineers on 25th June 2014 in Short Term Course on '*Chemical Process Modeling and Simulation*' during 23-27 June 2014 organized by Dept. of Chem. Engg. NIT Raipur.
- CFD for Chemical Engineers' expert talk and be a Chief Guest for Valedictory of Short Term Course on '*Simulation of Flow Processes using Computation Fluid Dynamics*' on 6th June 2014. NIT Raipur

Dr. Kailas L. Wasewar is Member of Board of Studies:

- Department of Chemical Engineering, Ujjain College of Engineering, Ujjain
- Department of Chemical Engineering, Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded Maharashtra

Dr.S.S.Sonawane

- BOS member at NMU UDCT

Dr. Kailas L. Wasewar was the chief guest for Valedictory of Short Term Course on '*Simulation of Flow Processes using Computation Fluid Dynamics*' on 6th June 2014. NIT Raipur

Dr. S.S.Sonawane

- Judge for AVISHKAR 2015 (State Level Scientific Forum Competition)

Dr. Kailas L. Wasewar was PhD Examiner at:

- Department of Chemical Engineering, IIT Roorkee
- Department of Chemical Engineering, NIT Raipur
- Department of Energy, NIT Raipur
- Department of Chemical Engineering, BATU Lonere

Dr. Kailas L. Wasewar was MTech Examiner at:

- Department of Chemical Engineering, College of Engineering Ujjain, Ujjain
- Department of Chemical Engineering, NIT Raipur
- Department of Chemical Engineering, SGB Amravati University, Amravati
- Department of Chemical Engineering, College of Engineering and Technology, Akola
- Department of Chemical Engineering, Anuradha College of Engineering and Technology, Chikhali

Dr S.A.Mandavgane

- Winner of first prize for the presentation 'Pedagogy shift from what to think to How to think' at FICCI's Higher Education Summit 2014.

Civil Engineering

- Dr. R. V. Ralegaonkar was awarded membership, became editorial board member and reviewer for esteemed Journal as well as technical institutions like
 - Association of Energy Engineers, USA (2014)
 - Life Member-Materials Research Society of India (MRSI)- LMB2430
 - CSID Journal of Infrastructure Development, Indonesia, 2014
 - Inspection of technical colleges affiliated to Chattisgarh Swami Vivekanand Technical University (Chairman) 23-24 March 2015.
- Dr. V. S. Landge successfully bagged biggest industrial consultancy worth 3.5 Crore for designing of Ring Road

Computer Science & Engineering

- Srijay Parag Deshpande of B.Tech. Final year CSE has scored 12th All India Rank in GATE 2015 exam.
- Swapnil Kakde of B.Tech CSE 2014 pass-out batch has scored 83rd All India Rank in GATE 2015 exam.

Electrical Engineering

Prof. M.V.Aware

- Worked as a Visiting faculty at University of Qatar and Texas University, Qatar campus, Qatar.
- Awarded INEA Innovative Student project to UG students 2014” Unified Multi-input DC-DC Converter for Hybrid Distributed Generating Systems”.
- Won II prize for the M.Tech. project competition at National Science day- 24 March 2014.
- Chaired session in IEEE ISIE 2014, Istanbul Turkey “Power electronics system for efficient and secure energy management in smart grid-I” .4th June 2014. 9-11.20 AM.
- Chaired two sessions at IEEE PEDES 2014 conference at IIT, Mumbai.

Prof. H.M.Suryawanshi

1. Associate Editor of IEEE Transaction on Industrial Electronics

Prof. A.S.Junghare

Participated in starting the Student Mentor Program at Institute Level on the guidelines from Student Mentor Program run at IIT Mumbai.

Prof. P.S.Kulkarni

Received BEST POSTER PAPER AWARD to paper authored by Sandeep N, P. S. Kulkarni and Udaykumar R.Y,”A Single-Stage Active Damped LCL-Filter- Based Grid-Connected Photovoltaic Inverter with Maximum Power Point Tracking”, 18th National Power Systems Conference, Department of Electrical Engg., IIT Guwahati, Dec. 18-20, 2014.

Prof. B.S.Umre

Project “Design and Development of an Intelligent Fault Tracking System using Optical Fiber in Railway station” is selected for Semifinal award – a cash prize of 200USD

Applied Mathematics

1. Dr. G. P.Singh is a member of Board of Studies, Basic Sciences, SRKNEC, Nagpur second term 2014-2016.
2. Dr. G. P.Singh is a member of Board of Studies First Year Engineering, G H Raison College of Engineering, Nagpur second term 2014-2016.
3. Dr. G. P.Singh has delivered invited talk on Applications of Mathematics at GH Raison Institute of Engineering & Technology for Women, Nagpur on September 13, 2014.
4. Dr. P. P. Chakravarthy is a reviewer for Journal of Computational and Applied Mathematics, International Journal of Numerical methods in fluids, Journal of Applied Mathematics and Informatics, Non linear Analysis: Modelling & Control.
5. Dr. Dr. P. P. Chakravarthy is working as HOD, Mathematics Department from 12-4-2013.
6. Dr. Dr. P. P. Chakravarthy was a Chairmen of M.Sc. admissions 2014-15.
7. Dr. M. Devakar worked as Coordinator for DRDO Entry Test 2014 on 1st FEB 2015

7. Dr. M. Devakar worked as Paper Setter for IIT JEE (Main)-2014 conducted by CBSE.
8. Dr. M. Devakar is a co-ordinator, First Year B. Tech.
9. Dr. M. Devakar was a Faculty In Charge, UGADI (GUDI PADWA) Puja 2015.
10. Dr. M. Devakar has obtained financial sanction from NBHM (DAE) for the Research Project entitled "Studies on the flows of two immiscible incompressible micropolar and viscous fluids."
11. Dr. Pallavi Mahale worked as member of M.Sc. admissions committee for 2014-15.
12. Dr. Pallavi Mahale worked as member of convocation committee for year 2014.
13. Dr. Pallavi Mahale worked as faculty mentor for the year 2014-15.
14. Dr. R. P. Gupta has been awarded PhD degree at IIT Kanpur.
15. Dr. R. P. Gupta was Selected for final interview for DST- INSPIRE faculty.
16. Dr. R. P. Gupta Got AIMS-South Africa Post-doctoral fellowship at Stellenbosch University (Not availed).
17. Dr. D.K. Patel has been awarded PhD degree at SVNIT Surat.

Mechanical Engineering

1. Dr. S. S. Chiddarwar
Fabrication of circularity measurement setup for Metrology Lab
D printer for robotics lab

A collaborative project proposal along with (Dr. R.P. Pant of VNIT Nagpur and Dr. T.N. Singh of IIT Bombay) on glacial slope stability to MoES, GOI. We have defended the project in the recent review meeting of the 7th- PAMC meeting at BHU Varanasi. We have got the positive response from the review committee and hoping for the project fund from the Ministry very soon.

Metallurgical & Materials Engineering.

1. Dr. D.R. Peshwe Dr. A.A. Likhite received Best Technical presentation award From The Institute of Indian Foundry men for the year 2014.
2. Dr. A.R. Ballal was awarded Sir Dorabjee Tata Trust – TR Anantharaman Faculty Fellowship for the period of January 2015 to May 2015 for carrying out research at university of Colorado , Boulder, USA
3. Dr A. P. Patil was invited by NIT Raipur for Academic Review of Dept. of Metallurgical Engineering.
4. Dr A. P. Patil was reviewer for Transactions of Indian Institute of Metals
5. Dr. J.G. Bhatt and his teams paper titled "Study on crystallization pathways in Zr₆₀Cu₁₀Al₁₅Ni₁₅ bulk metallic glass forming alloy" was presented in 144th Annual Meeting and Exhibition TMS 2015, March 2015, Orlando, Florida, USA using CSIR Fellowship. This paper was presented by Mr. Vincent S Kumar with co-author ship of B.S. Murty and M.J. Kramer, Joysurya Basu.
6. Dr. J.G. Bhatt's Ph.D. student, Mr. Vincent S Kumar, has been selected by the Institute and is Invited by the President of India for One week in house residential programme for NIT research Scholars.
7. Palak Marwah 6th semester student was selected for conference in Harvard, " Harvard project for Asian and International Relationships (HPAIR) 2015 " from 13-16th February 2015
8. Dr R.K. Khatirkar was a reviewer for Materials Science and Engineering A – SCI Journal and ISIJ International – SCI Journal.

9. Dr R.K. Khatirkar was also Paper setter (Materials Characterization Techniques, Advanced Physical Metallurgy) for Institution of Engineers – Metallurgy stream
10. Dr. R. K. Khatirkar was in expert committee member , JNARDDC for procurement of Scanning electron microscope.
11. Dr.R.V.Taywade was Reviewer of Welding in the World (WIW) – Springer – International Institute of Welding (IIW) (from January 2014): Impact Factor : 0.424 (SCI-E).
12. Dr.R.V.Taywade Reviewer of Acta Metallurgica Sinica (English Letters) – Springer (from January 2015): Impact Factor-0.426 (SCI-E). Number of papers reviewed : 1

Mining Engineering

1. I.L.Muthreja: One of the Nominee Member for the prestigious Infosys Awards 2014
2. I.L Muthreja: Guest of Honour in National Workshop on "Applied Ergonomics in Mining" 29th November 2014 organised by National Institute of Miner's Health, Nagpur
3. I L Muthreja: Resource Person in One Day's Training Programme on "Ventilation Practices in Deeper Underground Mines" organised by MOIL at Mansar Training Centre
4. Dr.R.R. Yerpude is nominated as expert member in Board of Studies & Faculty, Mining Engg. of RTM Nagpur University and Gondwana University , Chandrapur
5. Taken over as additional charge of Registrar, VNIT, Nagpur since Dec 2013 and continuing till date
6. Ten of IV Semester B.Tech. (Mining) students participated in National Level Competition Surang2K15 at Department of Mining Engineering, Anna University and won prizes.



Analysis of Financial Statements for the year 2014-15

20. VISVESVARAY NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR

Analysis of Financial Statements for the year 2014-15

Financial Statements for year 2014-15 are finalised on accrual basis of accounts as per directives received from MHRD. In view of this change, there are changes in recognising revenues as well as expenditure in financial reports, especially in case of Income & Expenditure account. MHRD guide lines referred in above circular are mostly followed, except:

1. Recognition of Income on Account of Non-Plan Govt. Grants - Recurring,
2. Recognition of future Liability in Financial Reports on account of Employee retirement benefits i.e. Pension, Family Pension, Gratuity, Leave Encashment. Similarly, no provision is charged to current year Income & Expenditure Account on account of this Liability.
3. Institute has charged Depreciation on assets on Written Down Value (WDV) basis instead of Straight Line Method (SLM), on all existing assets, in line with prevailing practice.

Brief analysis of the Financials is furnished here with, to appraise financial performance during year under report:

BALANCE SHEET:

1. Corpus & Capital Fund:

Corpus fund Increased from Rs. 80.15 Crs. in 2013-14 to Rs. 113.36 Crs. i.e. by Rs 33.21 Crs as under:

Transfer from Inc. & Exp. A/c.	25.36
Inst. Share in Tech & Consultancy	0.72
Int. Earnings on Op. Corpus	7.09
Others	<u>0.04</u>
TOTAL	<u>33.21</u>

2. General Fund :

General Funds Increased from Rs. 22.50 Crs. to Rs. 28.36 Crs. due to transfer of surplus in Inc. & Exp Account after transfers made to Corpus

3. Designated & Ear marked & Endowment funds:

Amount of above funds, increased from Rs. 18.43 Crs. to Rs. 21.57 Crs. i.e by Rs. 3.14 Crs. Break up details of increase in Individual funds are:

GPF Fund	1.70
DD Fund	0.94
Insurance Coverage fund	0.43
Other Funds	<u>0.07</u>
TOTAL	<u>3.47</u>

4. Current Liabilities & Provisions :

There is increase from Rs. 205.44 Crs to 223.80 Crs. Major amounts constituting Current Liabilities and Provisions are:

		(Rs. in Crores)
Unutilised Plan Funds- Assets	:	36.70
Plan Grant – Stipend	:	4.92

EMD / S. D from Suppliers & Contractors	:	2.65
Mess Deposits	:	3.24
Fee Recd. pertaining to 2015-16	:	2.22
Tech & Cons. Fee – Advance recd	:	1.35
Prov. for March Salary & other Exp.	:	6.21
Prov. for payment of Goods & Services	:	2.65
Non – Plan Grants (Net of Salary & Others)	:	(2.79)
Scholarship amounts received	:	2.03
Plan Grant Liability	:	161.62
(Assets procured from Plan Grants)		
Others	:	<u>2.99</u>
Total	:	<u>223.79Crs</u>

Assets

1. Fixed Assets:

Additions to Fixed Assets during the year 2014-15 are Rs. 25.69 Crs. mostly out of Plan Funds. After charging Depreciation of Rs. 14.90 Crs., net block of Assets as on 31-03-2015 is Rs. 161.66 Crs. against Rs. 150.87 Crs as on 31.03.2014

Institute has entered in to MoU with NBCC Ltd. for construction of Boys & Girl Hostels, Mega Mess etc., and paid advance amount of Rs. 31.50 Crs. Construction of civil Works were also entrusted to CPWD in earlier years and are under execution.

2. Investments in Fixed Deposits:

Investments made in various funds as on 31.03.2015 is Rs. 130.69 Crs as against 128.01 Crs as on 31.03.2014, detailed as under:

Rs. in Crs

Sr. No.	Funds	31.03.2015	31.03.2014
1	Corpus Investment	87.78	60.87
2	Non-Plan Investment	1.06	12.09
3	Other Investments	10.59	2.15
4	GPF Investments	15.65	14.59
5	Plan Investments	6.51	32.03
6	Prize Fund Investments	0.12	0.12
7	Staff Dev. Fund Investments	1.33	1.22
8	Maint. Fund Investments	0.42	0.39
9	Depreciation Fund Inv.	0.39	0.36
10	DD Fund Investments	1.29	0.72
11	Gymkhana Investments	0.35	0.34
12	R&D Investments	5.19	3.14
	Total	130.68	128.02

3. Current Assets : Rs (Rs.36.89 Crs, Pr. Year 10.93 Crs.)

Current Assets mainly comprise Bank balance in Current Account with SBI and other banks amounting to Rs.34.10 Cr. Substantial increase in Bank Current Account balance is due to accounting of Rs. 39.02 Crs in books on 31.03.2015, based on communication received from MHRD on funds release, which actually got credited in bank subsequent to 31st March.

Loans & Advances: (Rs. 57.84 Cr, Prev. Yr. 36.70Crs)

Above amount mainly comprise Advance paid to CPWD Rs.25.58 Cr. and Rs.31.50 Crs paid to NBCC Ltd. Balance amount is on account of advances given to employees etc.,

Income & Expenditure account:

1. Gross revenue of the Institute during the year 2014-15 is 108.70 Crs compared to Rs. 91.27 Crs in 2013-14. Excess of Income over expenditure, in the year 2014-15 is Rs.31.11 Crs. against Rs. 20.99 Crs. In the year 2013-14. The increase in surplus of income over expenditure is due to higher revenues on account of academic receipts, Government Grants and other miscellaneous receipts.
2. Academic Receipts: Academic receipts from students in 2014-15 are Rs.25.36Crs. against Rs. 16.14 Crs, during 2013-14, break up of which is as under:

Rs. In Crs

	2014-15	2013-14
1. Tuition fee	22.36	14.45
2. Admission fee	0.11	0.00
3. Enrolment fee	0.01	0.04
4. Library Admission fee	0.26	0.24
5. Registration fee	0.17	0.15
6. Summer Term Course fees	0.02	0.03
7. Examination	0.41	0.42
8. Development fee	1.32	0.22
9. Other Fees	0.70	0.59
Total	25.36	16.14

1. Grants :

Rs. In Crores

Sr. No	Particulars	2014-15	2013-14
1	Plan General Stipend Appropriation	8.41	5.58
2	Non-Plan Grant 31 Gen- Appropriation	9.00	9.88
3	Non-Plan Grant(36 Salary- Appropriation)	58.40	51.93
4	Plan Grant SC recurring Appropriation	0.00	0.09
	Total	75.81	67.48

* Pending receipt of Non plan Grants - Salary , Rs. 35.56 Crs(Prev. Year 2013 -14 – Rs. 20.73 cr.)

4. Interest & Other Income:

Income earned under these heads mainly comprise offollowing :

No.	Particulars	2014-15	2013-14
1	Hostel Receipts	2.79	1.89
2	Tech Consultancy	1.78	2.78
3	Interest on non -Plan funds etc.,	1.34	0.35
4.	Other Receipts	1.60	2.62
	Total	7.51	7.64

5. Expenditure :

i) Salaries , Wages & Allowances

Expenditure on account of above head during 2014-15 is Rs. 54.35 Crs. against Rs. 49.40 Crs. during 2013-14. The increase is due to fresh recruitments made during the year, besides normal increase due to increase in DA, Increments to employees . Institute got non plan sanction against salaries during current year and after adjusting carried forward deficit of 2013-14 under Non- Plan Grant - salaries i.e. Rs. 20.73 crs.

ii) Academic Expenses:

Expenditure under the head during the year 2014-15 is Rs. 9.46 Crs (including Stipend payment of Rs. 8.41 Crs) against Rs. 6.54 Crs. during 2013-14 (Stipend Rs. 5.59 Crs.). Increase in Stipend payments are due to revision of Stipend amount to Research / PG Scholars and increase in research student strength.

iii) Administrative Expenses, Repairs & Maintenance & Other Expenses:

Expenditure during 2014-15 under above heads is Rs. 9.70 Crs. against Rs. 11.70 Crs. during 2013-14. Part of the reduction is due to regrouping of the expenditure as well as the shift in recognition of expenses under changed system.

NOTES TO ACCOUNTS

1. Annual Accounts of the year 2014-15 are finalised on accrual basis and in the revised formats as per directives received from MHRD, vide Letter. No. 29-4/2012-IFD Dtd. 17th April, 2015. All efforts are made to strictly comply with presentation of Financial Statements and disclosure of information as per directives received. Where ever there is deviation in the compliance, same has been disclosed in the “Accounting Policies” and in the “Notes to the Accounts”.
2. While furnishing details of various Capital and Revenue particulars and their Disclosure/ Treatment in Accounts, Materiality of the transaction and the impact on the over all financial results is taken into consideration.
- 3.1 Depreciation Rates adopted by Institute as mentioned in the Accounts Policy are at variance and are on higher side than Depreciation rates advised by MHRD vide the letter referred. The rates adopted are in line with Depreciation rates followed in earlier years and is based on assessed useful life period of the assets.
- 3.2 Depreciation is not charged to Income & Expenditure Account as most of the Assets have been procured from Grants received from Govt. of India. Institute, as a practice is reflecting the Fixed assets procured out of Plan funds at gross value and a corresponding amount is shown on Liabilities side of Balance Sheet Under head “Plan Grant Liabilities”. Depreciation chargeable in the year is reduced from Gross Value of Assets and corresponding amount is deducted from “Plan Grant Liabilities”. In case of assets procured out of Institute funds, depreciation is charged to Income & Expenditure account.
4. As on 31.03.2015, Court Cases filed against the Institution, are by former / present employees, and same are pending for decisions. The suits filed by employees were of establishment—related nature viz promotions, increments, pay scales, termination from services etc. The quantum of the claim is not ascertainable.
5. Letters of credit established by the Bank on behalf of the Institution and outstanding at the end of the year i.e. on 31.3.2015 is Rs 230.50 Lakhs (Previous year Rs. 172.55 Lakhs)
6. Capital commitments in respect of contracts remaining to be executed on Capital Account and not provided for (Net of Advances) amounted to Rs 271.33 lakhs as on 31.03.15. (Previous year Rs. 861.71 Lakhs).
7. Additions to Fixed Assets during the year, purchased out of Plan Funds Rs 2567.09 Lakhs and corresponding credit is made to Capital Liability Account. No assets were received by way of gifts during the year. Fixed Asses of the Institute does not include any assets procured out of funds received for sponsored Schemes/Projects
8. Till the year 2013-14, no separate details of expenditure incurred are maintained on Patents registered and is mostly charged to revenue expenditure. From current year, 2014-15, guide lines issued by MHRD are implemented.
9. The Hostel fee collected towards room rent, Electricity & Water charges and other expenses are taken to the credit of Income & Expenditure account and corresponding expenses and Maintenance costs are charged to the account. With regard to Mess operated for Hostel students, Mess charges are collected as per rates paid to contractors, running the Mess.
10. Valuation of retirement benefits payable to employees towards Pension, Family Pension, Gratuity and

Nature of	Valuation of Liability as on	Provision	Required (Year)	(Rs. In Lakhs)
Retirement Benifit	31.03.2015	31.03.2014	2014 -15	2013 -14
1. Pension and Family Pension	21322.47	19260.14	2062.33	---
2. Gratuity	1151.91	998.32	161.59	---
3. Leave Encashment	1265.06	1035.97	229.63	----

Leave encashment have been made through Actuarial basis, both as of 31.03.2014 and 31.03.2015 as per directives received from MHRD. The liability particulars and provision made towards these benefits during 2014-15 are as under:

1. No provision is made in accounts towards the above liabilities.
2. Provision Required is net of The Actual Payment made during the 2014-15, against the above retirement benefit.
11. Institute has incurred following expenses in Foreign Currency during the year 2014-15 on foreign Travel and import of Equipment

Expenditure Particulars	US \$	Euros	Japanese	Yens
Import of Equipment		2,28,537	1,60,422	25,90,000
Travel Expenses		----	----	3,10,000

12. Institute has not incurred any expenditure of exceptional and Extra-ordinary nature during the year.
13. In the opinion of the Management, the current assets, Loans, Advances and Deposits have a value on realization in the ordinary course, equal at least to the aggregate amount shown in the Balance Sheet.
14. Plan and Non-Plan Grants sanctioned for 4th Quarter of the Year 2014-15 and vide their letter Dtd. 12th March & 16th March 2015 and released by Ministry were credited to bank account on 4-04-2015, though they were released much earlier. (Due to intervening Public Holidays and closure of Bank on 1st April, 2015. Hence, credit for these amounts were taken in books of Accounts in 2014-15.
15. Particulars of General Provident Fund Account of employees for the year 2014-15, Viz., Interest liability on Employee fund balances, Liability to Employees as on 31-03-2015 together with Corpus of GPF fund and Interest earned by the Fund during the year 2014-15 are as under :
 - i. Total Interest Liability to Employees in 2014-15 : Rs 1,31,54,603.00
 - ii. Funds Liability to employees as on 31-03-2015 : Rs. 17,62,16,631.00
 - iii. Corpus of GPF as on 31-03-2015 : Rs.
 - iv. Interest Earnings of the fund from Investments : Rs. 1,35,43,202.00

The fund is having adequate funds to cover the employee liabilities.

16. Institute is regular in remittance of NPS subscriptions of employees / contributions of Employer. However, in respect of certain employees whose PRAN cards are in the

process of issue an amount of Rs. 10,75,057.00 Lakhs is pending for remittance with NSDL.

17. All the funds of the Institute are maintained with Scheduled Banks only and no investments are made in Non-Scheduled Banks.
18. Previous year figures have been re grouped in current year, as required by the revised formats
19. Figures in Final Accounts have been rounded off to the nearest Lakhs in Rupees.



INDIAN AUDIT & ACCOUNTS DEPARTMENT
OFFICE OF THE PRINCIPAL DIRECTOR OF
AUDIT (CENTRAL)

C-25, AUDIT BHAVAN, BEHIND INCOME TAX BLDG,
BANDRA KURLA COMPLEX, BANDRA(E),
MUMBAI 400 051.

Telephone: (022) 2657 2951 (Direct)

EPABX : 2657 1750/41/42/36 ; FAX: 657 2951 / 657 2451

No. PDA(C)/MUM./C&AB/SAR/2014-15/ VNIT/ Date:

To
The Secretary to the Government of India,
Ministry of Human Resource Development,
Department of Secondary Education & Higher Education,
Shastri Bhavan,
New Delhi 110 001.

Sub: Separate Audit Report on the accounts of Visvesvaraya National Institute of Technology, Nagpur for the year 2014-15.

Sir,

Please find enclosed the Separate Audit Report on the accounts of **Visvesvaraya National Institute of Technology, Nagpur** for the year ended 31 March 2015 along with the following documents for being laid on the Table of both the Houses of Parliament.

- (i) Statement of Accounts
 - (ii) Audit Report-cum-Audit Certificate in English along with annexure.
2. Copies of the documents as presented to the Parliament may please be forwarded to this office with an intimation regarding the date of their presentation to both the Houses of Parliament.
 3. Please acknowledge the receipt.

Yours faithfully,

Sd/-

Dy. Director/C&AB

✓ No. PDA(C)/MUM./C&AB/SAR/2014-15/ VNIT / 823

Date 30/10/15

Copy along with the Annual Accounts for the year ended 31 March 2015 together with Audit Certificate in English is forwarded to The Director, **Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur - 440 011** for information and necessary action. The date/s of presentation of the documents to the Parliament and a copy thereof may kindly be furnished to this office.

Dy. Director/C&AB

Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of the Visvesvaraya National Institute of Technology, Nagpur for the year ended 31 March 2015

We have audited the attached Balance Sheet of the Visvesvaraya National Institute of Technology, Nagpur ('the Institute') as at 31st March 2015, the Income & Expenditure Account and Receipt & Payment Account for the year ended on that date under Section 19(2) of the Comptroller and Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 22 (2) of the National Institutes of Technology Act, 2012. These financial statements are the responsibility of the Institute. 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 the financial transactions with regard to compliance with the Law, Rules and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we

plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by 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, the Income & Expenditure Account and the Receipt & Payment Account dealt with by this report have been drawn up in the format prescribed by the Ministry of Human Resource Development, Government of India vide order No 29-7/2012-FD dated 17 April 2015.
 - iii. In our opinion, proper books of accounts and other relevant records have been maintained by the Institute as required under Section 22(2) of the National Institutes of Technology Act, 2012 in so far as it appears from our examination of such books.

iv. We further report that:

A. Balance Sheet

A.1.1 Assets

A.1.1.1 Corpus: Rs.14171.81 Lakhs (Schedule 1)

As per the new format of accounts for Central Higher Educational Institute, capital/Corpus should include value of all assets purchased from Government Grants. Though the Institute has adopted the new format of Accounts, it depicted the assets purchased out of grants as a part of plan grants depicted under Current Liabilities as unutilized grants (Schedule 3 C). This has resulted in the corpus being understated and unutilized grants being overstated by the value of fixed assets purchased out of Grants amounting to Rs.16159.82 lakhs.

B. Income and Expenditure Account

B.1 Expenditure

B.1.1 Staff Payment & Benefits: Rs.5839.60 lakhs (Schedule 14)

The Institute has booked an amount of Rs.523.06 Lakh paid for outsourcing activities such as Gardening, Security, Sanitary Services and Maintenance under the head Salaries-Schedule 14. This being an operational cost of the Institute should have been booked under

4. Accounts of GPF/NPS not prepared

The Institute has not prepared separate accounts for GPF/NPS as per the Item 17 of Compilation of Financial Statements of Central Educational Institutes. The General Provident Fund liability to the employees of the Institute is shown as Rs.1762 Lakhs (Item 15- Notes to Accounts of Institute). In the absence of records audit was unable to verify the correctness of the above amount.

E. Grants-in-aid

Out of the Plan Grants of Rs.72.07 Crores received during the year (including Rs.48.05 Crores unspent balance of the previous year) the Institute could utilize Rs.34.07 Crores leaving an unspent balance of Rs.38 Crores. This does not include advances made to CPWD/NBCC amounting to Rs. 57.07 Crores.

Similarly, out of Non Plan Grants of Rs. 82 Crores the Institute recouped excess expenditure incurred in previous year amounting to Rs. 17.39 Crores leaving a balance of Rs. 64.61 Crores (Rs. 20.73 Crores – Rs. 3.33 Crores) to be utilized during 2014-15. The Institute expended an amount of Rs. 67.39 Crores in 2014-15 of which Rs. 2.78 Crores were met from Internal Revenue Generation.


F. Management letter

Deficiencies which have not been included in the Audit Report have been brought to the notice of the

Institute through a management letter issued separately for remedial/ corrective action.

- v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income & Expenditure Account/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 the Annexure 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 Visvesvaraya National Institute of Technology, Nagpur as at 31 March 2015; and
 - (b) In so far it relates to Income & Expenditure Account of the surplus for the year ended on that date.

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


Principal Director of Audit(C), Mumbai

**Place: Mumbai
Date: 30.10.2015**

included in Fixed Assets as assets of the Institute nor any disclosures to the effect made in Notes to Accounts.

2. The Institute was sanctioned grants amounting to Rs.82 Crores under Non Plan (Salary and General Activities) and Rs.24.02 Crores under Plan Grant (Non Recurring) for the year 2014-15. Though these grants were sanctioned for utilization of expenses for 2014-15 the Institute followed the procedure of adjusting excess expenditure incurred in previous year from the grants received for current year. An amount of Rs.20.73 crores under Non Plan Grant and Rs.0.90 crores under Plan Grant relating to expenditure of 2013-14 was adjusted from current years grant. The amount of deficit in current years Non Plan Grant amounting to Rs.35.56 Crores has been depicted in the Current Liability as a negative figure.

3. Though the Institute follows accrual system of accounting, it continued to account for Interest on deposits from various funds on cash basis as declared under Significant Accounting Policy (2). The Institute should adhere to accrual policy as far as possible and only in cases where it is difficult to account on accrual basis, it should be accounted on cash basis with proper disclosure.

Schedule 16 Administrative Expenses and Schedule 19 Repairs and Maintenance. Accounting of Outsourcing Expenses and Electrical Maintenance Expenses as Salaries resulted in Salaries (Schedule 14) being overstated by Rs.523.06 Lakh and Administrative Expenses (Schedule 16) and Repairs and Maintenance (Schedule 17) being understated by Rs.257.61 and Rs.265.45 Lakh respectively. This was commented in 2013-14 too. However, the Institute has continued with the wrong classification of expense.

C. Receipt and Payment Account (Schedule-20)

C.1. Payment Item VI (Rs. 1741.02) Lakhs


The Institute has accounted for Rs.1741.02 Lakhs as payment under the head 'Change in Working Capital' in the Receipt and Payment Account. No records for the changes in Working Capital was made available to audit nor any Sub Schedule was annexed to the Accounts. In the absence of any documents audit could not verify its authenticity and it remains unreconciled.

D. General Comments

1. An amount of Rs.3.52 Crores have been spent by Faculty under Cumulative Professional Development Allowance (CPDA) for purchase of Computers over a period of 6 years. However, these have neither been

Annexure

1.	Adequacy of Internal Audit System The Institute has an Internal Audit Cell. However, an Internal Audit Manual is still in the draft stage.
2.	Adequacy of Internal Control System The overall internal control system is inadequate.
3.	Physical verification of Assets Physical verification of assets has been conducted by the Institute. VNIT maintaining details of all assets through dead stock register in individual departments and particulars of assets procured with full details are available in department register but centralized details of individual assets are not maintained. Thus, due to non maintaining of centralized asset register and not providing of details of assets procured during the year by the department, there may be the possibility of non depiction of some of the assets in the Institution Account. Further there may be possibility of depreciation being provided on assets which have completed its useful life.
4	System of physical verification of Inventory. Physical verification of stores and stock has been conducted by the Institute.
5	Regularity in payment of statutory dues Institute is regular in payment of statutory dues.


Principal Director of Audit (C), Mumbai



VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY,
NAGPUR – 440010 (INDIA)
(SIXTH DECADE OF EXCELLANCE)



ANNUAL ACCOUNTS
2014 - 2015

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
BALANCE SHEET AS AT 31 MARCH 2015

(Rs. In Lakhs)

SOURCES OF FUNDS	Schedule	Current Year	Previous Year
CORPUS/CAPITAL FUND	1	14171.81	10265.25
DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	2	2,157.22	1,845.10
CURRENT LIABILITIES & PROVISIONS	3	22376.72	20542.28
TOTAL		38705.75	32652.63

APPLICATION OF FUNDS	Schedule	Current Year	Previous Year
FIXED ASSETS	4	16163.39	15087.93
Tangible Assets		13498.77	13177.30
Intangible Assets		79.74	85.47
Capital Works-In-Progress		2581.30	1820.85
Gymkhana + DD Fund		3.58	4.31
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	5	13069.04	12801.94
INVESTMENTS	6	0.00	0.00
CURRENT ASSETS	7	3688.96	1092.77
LOANS, ADVANCES & DEPOSITS	8	5784.36	3669.99
TOTAL		38705.75	32652.63
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS	21		
SIGNIFICANT ACCOUNTING POLICIES	22		

Date : 12.06.2015
Nagpur


REGISTRAR


DEAN (P&D)


DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
INCOME AND EXPENDITURE FOR THE PERIOD 31st MARCH 2015

(Rs. In Lakhs)			
Particulars	Schedule	Current Year	Previous Year
INCOME			
Academic Receipts	9	2536.51	1614.58
Grants / Subsidies	10	7580.71	6747.97
Interest earned	11	133.30	35.32
Other Income	12	618.07	729.03
Prior Period Income	13	1.17	0.00
TOTAL (A)		10869.76	9126.90
EXPENDITURE			
Staff Payments & Benefits (Establishment expenses)	14	5839.60	5202.06
Academic Expenses	15	946.00	653.54
Administrative and General Expenses	16	557.34	647.18
Repairs & Maintenance	17	181.08	247.38
Other Expenses	18	178.20	277.90
Prior Period Expenses	19	56.68	0.00
TOTAL (B)		7758.90	7028.06
Balance being excess of Income over Expenditure (A-B)		3110.86	2098.83
Transfer to Corpus Fund		2536.51	1600
Balance Being Surplus Carried to Capital Fund		574.35	498.83

Date: 12.06.2015
NAGPUR


REGISTRAR


DEAN (P&D)


DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015

SCHEDULE - 1 CORPUS/CAPITAL FUND

(Rs. In Lakhs)

Particulars	Current Year	Previous Year
Balance at the beginning of the year:		
Corpus	8015.13	4093.58
General Fund	2250.12	1162.30
Total (A)	10265.25	5255.88
Add: Contributions towards Corpus/Capital Fund		
Interest on FD Plan	84.39	
Apportioned for HB Advance (6.44-4.07)	2.37	
Corpus fund (Institute)	2608.92	
Interest on FD (Corpus)	625.43	
Reserve Fund General (11.45-0.35)	11.10	
Total (B)	3332.21	5009.37
Add: Other Additions		
Add: Excess of Income over expenditure trasferred from the Income & Expenditure Account	574.35	
Total (C)	14171.81	10265.25
Balance at the year end (A+B+C)	14171.81	10265.25

Date: 12.06.2015
NAGPUR

REGISTRAR

DEAN (P&D)

DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 2 (i)- DESIGNATED/ EARMARKED / ENDOWMENT FUNDS

(Rs.In Lakhs)

Particulars	Fund wise Breakup						Total	
	Depreciation Fund	Maintenance Fund	Staff Development fund	DD fund	Gymkhana Fund	GPF Fund	Current Year	Previous Year
A.								
a) Opening balance	44.61	46.78	124.87	35.43	14.24	1508.58	1774.51	1829.10
b) Additions during the year								
c) Income from investments made of the funds								46.97
d) Accrued Interest on investments/Advances	3.53	3.59	11.19	7.07	1.95	135.43	162.76	
e) Interest on Savings Bank a/c								
f) Other additions (Specify nature)				60.39	32.75	313.79	406.93	466.52
Total (A)	48.14	50.37	136.06	102.89	48.94	1957.80	2344.20	2342.59
B.								
Utilisation/Expenditure towards objectives of funds								
ii) Capital Expenditure	0.00	0.00	0.00					
ii) Revenue Expenditure	0.00	0.00	0.00	0.65	25.68	285.10	311.43	568.08
Total (B)	0.00	0.00	0.00		25.68	285.10	310.78	568.08
Closing balance at the year end (A - B)	48.14	50.37	136.06	102.24	23.26	1672.70	2032.77	1774.51
Represented by								
Cash And Bank Balances	8.84	8.50	3.53	40.41	4.03	112.83	178.14	
Investments	39.29	41.86	132.53	129.46	35.18	1565.33	1943.65	
Interest accrued but not due							0.00	
Total	48.13	50.36	136.06	169.87	39.21	1678.16	2121.79	

Note : - Separate investments are made in bank deposits against respective designated/ Earmarked/Endowment funds. However, exercise for reconciling of fund balances with respective amounts in the deposits has not been taken up earlier.Hence, the difference.

In respect of GPF of fund a separate exercise has been taken up to prepare separate accounts from that of Institute.

Date: 12.06.2015
NAGPUR


REGISTRAR


DEAN (P&D)


DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 2(ii) - DESIGNATED/ EARMARKED / ENDOWMENT FUNDS

(Rs. In Lakhs)						
Particulars	Other Fund	STUDENT AID FUND	HOSTEL WELFARE FUND	INSURANCE COVERAGE TO STUDENTS	Current Year	Previous Year
A.						
a) Opening balance	4.86	1.93	7.36	30.43	44.58	5.73
b) Additions during the year					0.00	
c) Income from investments made of the funds	4.35	7.65	7.73	53.53	73.26	-
d) Accrued Interest on investments/Advances					0.00	
e) Interest on Savings Bank a/c					0.00	
f) Other additions (Specify nature)					0.00	
Total (A)	9.21	9.58	15.09	83.96	117.84	60.90
B.						
Utilisation/Expenditure towards objectives of funds						
ii) Capital Expenditure		0.00	0.00	0.00	0.00	
ii) Revenue Expenditure	2.87	2.96	3.92	10.57	20.32	16.32
Total (B)	2.87	2.96		10.57	20.32	16.32
Closing balance at the year end (A - B)	6.34	6.62	11.17	73.39	97.52	44.58
Represented by						
Cash And Bank Balances						
Investments						
Interest accrued but not due						
Total						

Date: 12.06.2015
NAGPUR

[Signature]
REGISTRAR

[Signature]
DEAN (P&D)

[Signature]
DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE - 2(A) ENDOWMENT FUNDS

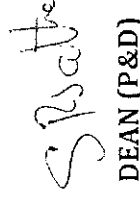
Specimen format of Sub Schedule to support the figures in the column "Endowment Funds" in the Schedule "Earmarked / Endowment Funds", forming part of the Balance Sheet.

(Rs.In Lakhs)

1.Sr. No.	2. Name of the Endowment	Opening Balance		Additions during the Year		Total		Expenditure on the object during the year	Closing Balance		Total
		3. Endowment	4. Accumulated Interest	5. Endowment	6. Interest	7. Endowment (3+5)	8. Accumulated Interest (4+6)		10. Endowment	11. Accumulated Interest	
1	Prize Fund	21.64		1.00	1.13	22.64	1.13	1.15	21.49	1.13	22.62
2	Award Fund	4.37				4.37		0.06	4.31	0.00	4.31
	Total	26.01	0.00	1.00	1.13	27.01	1.13	1.21	25.80	1.13	26.93

Date: 12.06.2015
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DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015

SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS

(Rs. In Lakhs)		Current Year	Previous Year
A. CURRENT LIABILITIES			
1. Sundry Creditors			
a) For Goods & Services			
Super Constructions (SD)	1.32		0.00
Unity Security Services	1.85		0.00
b) Others			
2. Deposit-Others (including EMD, Security Deposit)	264.32		339.03
3. Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS):			
a) Overdue	-		-
b) Others	35.38		25.31
Subtotal	302.87		364.34
4. Other Current Liabilities			
a) Salaries Payable	354.86		324.55
Subtotal	354.86		324.55
D D Fund			
Consultancy Deposits	76.80		43.48
Consumables Deposits	1.87		1.09
Field Man For WTP [V. A. Mhaisalkar]	0.03		0.03
Report Writing Deposits	5.44		2.42
Testing Deposits	51.44		33.59
Subtotal	135.58		80.61
Total	793.31		769.50

Date: 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015

SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS

(Rs.In Lakhs)

Institute	Current Year	Previous Year
Nal Conf.On Green Chemistry & Engg	0.32	0.32
AIEEE 2011	1.32	1.32
Comad 2010	0.16	0.16
EFIP Book Grants	0.04	0.04
Green Build Design Concept & Application	0.46	0.30
JEE 2012 Vnit Centre	0.06	0.06
Lapsed Deposit	13.89	93.82
R & D	-0.10	-0.08
Refundable Excess Receipts	18.22	3.35
Spectris Tech. Pvt. Ltd. (TEQIP)	6.18	6.18
Education Loan	0.98	0.00
Unclassified Deposits	26.54	5.45
CSAB 2013	9.25	0.00
CCMT (M. Tech Admission)	29.30	0.70
Deposit For Industry Inst. Interaction	0.06	0.06
G A Bhalave	0.00	0.20
A D Pofale	0.00	0.40
Stale Cheque	0.07	0.00
Fees Received In Advance	221.81	450.13
Subtotal	328.56	562.41
WORKSHOP	9.41	12.68
Total	337.97	575.09

Date: 12.06.2015
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S. S. S. S.
DEAN (P&D)

S. S. S. S.
DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015

SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS

(Rs. In Lakhs)

	Current Year	Previous Year
Hostel Electricity Deposit	0.02	84.50
Deposit For Breakages	8.87	16.88
Hostel Water Deposit	0.00	0.27
Mess Deposit / Expenditure	323.70	190.56
Hostel Room Rent Deposit	0.00	2.39
NRDA R-K Ingle	3.38	0.00
Non Plan Grant (31 General)	3277.16	333.37
Non Plan Grant (36 Salaries)	-3556.45	-2072.84
Deposits	93.37	55.76
Subtotal	150.05	-1389.11
5. Others		
Short Term Course Is-800-2007	0.06	0.06
Train.Course On Earthquake Analysis	0.97	0.97
Miscellaneous Receipt (Ddf)	0.02	0.00
Visit Charges Deposits	5.66	1.65
Unclassified Deposits (Ddf)	12.59	4.47
Subtotal	19.30	7.15
Service tax		
Service tax Deposit	0.44	-2.68
Service tax Payable	0.00	2.76
Subtotal	0.44	0.08
Total	169.79	-1381.88

Date: 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015

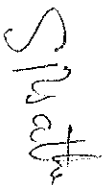
SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS

(Rs. In Lakhs)

	Current Year	Previous Year
R & D Liabilities		
Provision	0.83	0.57
Institute Liability	51.90	5.81
Security Deposit (3.26 Hindanio Co.)	0.50	0.50
Stale Cheque	0.31	0.31
R & D Interest & Others	37.71	65.69
Unclassified Deposits	2.63	4.35
Subtotal	93.88	77.23
Total (A)	1394.95	39.94

Date: 12.06.2015
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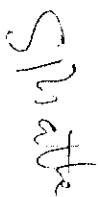
VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015

SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS		(Rs. In Lakhs)	
		Current Year	Previous Year
B)Provisions			
6.Others(Specify)			
Expense payable		266.24	14.00
Stipend (Payable)		28.90	4.68
Suman Construction Payable		0.90	0.00
ICCR SCHOLARSHIP		17.97	0.00
Scholarship		184.41	225.26
CPHEEO Grant		-0.03	-4.31
Shree Balaji Industries(SD)		2.38	0.00
S J Prasad		0.10	0.00
Subtotal		500.87	239.63
Total (B)		500.87	239.63
Total (A+ B)		1895.83	279.57

Note: Unutilized grants 6 (d) will include grants received in advance for next year.

Date: 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE - 3 (a) SPONSORED PROJECTS

1.Sr. No.	2.Name of the Project	Opening Balance		5.Receipts/Reco veries during the year	6.Total	7.Expenditu re during the year	Closing Balance	
		3.Credit	4.Debit				8.Credit	9.Debit
1	WCL	0.36		0.00	0.36		0.36	
2	ADV. ENGG. TECH. (PMP)	0.23		0.00	0.23		0.23	
3	SMDP (RMP)		0.30	0.00	-0.30	0.25		0.55
4	WCL WIND (ILM)	0.96		0.00	0.96	0.00	0.96	
5	MJP (RG)	1.20		0.00	1.20	0.00	1.20	
6	KVIC (DRP)	22.63		0.00	22.63	8.33	14.30	
7	MCIT (RMP)		11.46	0.00	-11.46	1.52		12.98
8	FIST-I (PMP)	1.78		0.00	1.78	0.00	1.78	
9	BRNS (MVA)	16.96		0.00	16.96	17.94		0.99
10	FIST-II (HMS/VBB)	11.31		0.00	11.31	16.21		4.89
11	(TICE) (RGSTC) (RMP)	51.63		0.16	51.79	28.40	23.39	
12	(NMSSPD) (DST) (PPC)		0.13	0.13	0.00	0.00	0.00	
13	(DST) (RVR)		0.37	0.00	-0.37	0.70		1.07
14	(DSDPTDESR) (MRD) (RK)	0.62		0.00	0.62	0.00	0.62	
15	B.C.B.SYS. (RK)	0.76		0.00	0.76	0.00	0.76	
16	NRRDA (DIK)	0.26		0.00	0.26	0.26	0.00	
17	NAQM (VAM)	3.07		0.00	3.07	0.00	3.07	
18	NAMP(MPCB) (VAM)	0.90		14.1	15.00	6.54	8.46	
19	SAMP (MPCB) (VAM)	8.10		14.1	22.20	7.25	14.95	
20	SADLF (CSIR) (KLW)	1.24		0.48	1.72	1.72	0.00	
21	DEV. OF TTIO2 (BRNS) (SSU)		0.16	0.16	0.00	0.00	0.00	
22	NEW MEMS(NPMASS)2014(RMP)	4.25		0.00	4.25	4.25	0.00	
23	NEW MEMS (NPMASS)(RMP)		2.52	14.25	11.73	11.08	0.65	
24	DCAILCEI (DST) (AI)	2.37		0.00	2.37	2.36	0.00	
25	INF. OF NORM. TEMP. STEEL (BRNS) (DRP)		1.69	0.00	-1.69	3.16		4.85
	Subtotal(A)	128.64	16.63	43.37	155.39	109.98	70.74	25.33

Date: 12.06.2015
Nagpur

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1.Sr. No.	2.Name of the Project	Opening Balance		5.Receipts/Reco veries during the year	6.Total	7.Expenditu re during the year	Closing Balance	
		3.Credit	4.Debit				8.Credit	9.Debit
26	T&F STUDY (MOIL) (ILM)	15.44		0.00	15.44	3.10	12.34	
27	(UGC-DAE) (ARB)	0.57		2.38	2.95	2.66	0.29	
28	CPG92SPCT (UGC-DAE) (DRP)		0.21	0.00	-0.21	1.15		1.36
29	FELLOWSHIP (MPCB) (VAM)	78.84		2.78	81.62	19.81	61.81	
30	D&DPASM (BRNS) (RMP)	5.80		0.00	5.80	7.13		1.33
31	ACECOST-III (AR&DB) (DRP)	9.04		17.82	26.86	4.91	21.96	
32	RNCRHA (AR&DB) (SAM)	0.18		0.00	0.18	2.11		1.94
33	OMMSPDSC (MNM) (RK)	2.44		0.00	2.44	0.60	1.84	
34	PSDDPSAQ (DST) (SKG)	5.34		4.02	9.36	7.75	1.61	
35	PSSDDR (CSIR) (SKG)		0.47	2.91	2.43	2.54		0.1
36	SIHF (BRNS) (KMB)	5.89		0.00	5.89	1.27	4.63	
37	NBHM-DAE (PPC)		0.08	2.28	2.20	2.62		0.42
38	FSFEBS (DST) (RVM)	0.06		2.5	2.56	1.73	0.83	
39	DTMFP (BRNS) (SAM)	4.03		0.00	4.03	4.68		0.65
40	AUSCU/SCMA (R.KOTHARKAR)	1.83		7.36	9.19	5.37	3.82	
41	FAST TRACK/ ROBOT PROGRAMMING (S S C)	2.18		0.00	2.18	1.37	0.81	
42	FAST TRACK/EHMC (RVU)	5.10		0.00	5.10	3.42	1.68	
43	(DST) INV. HETEROUNCTION SOLAR CELLS (GHC)	13.08		4	17.08	13.77	3.30	
44	BIOCATALYSIS SUSTAINABLE ORGANIC SYNTHESIS(URP)	13.38		1	14.38	6.48	7.91	
45	CSIR-FELLOWSHIP (GRANT)	0.00		1.25	1.25	2.35		1.1
46	BRNS (VKD)	20.25		0.00	20.25	1.45	18.79	
47	STT/APSPCAS (S.P.ZODAPE)	5.61		1	6.61	4.84	1.77	
48	CCABDA (U A DESHPANDE)	9.13		19.41	28.55	7.84	20.71	
49	NSAEP (D.Z.SHENDE)	0.50		0.5	1.00	0.00	1.00	
50	DDMAW/HUDCO (RVR)	9.50		0.00	9.50	5.29	4.21	
	Subtotal(B)	208.20	0.76	69.22	276.66	114.27	169.30	6.90

Date: 12.06.2015
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1.Sr. No.	2.Name of the Project	Opening Balance		5.Receipts/Reco veries during the year	6.Total	7.Expenditu re during the year	Closing Balance	
		3.Credit	4.Debit				8.Credit	9.Debit
51	FAST TRACK/DCNSA (S.S.SONAWANE)	10.32		0.00	10.32	3.65	6.67	
52	DST/RCH (SAM)	28.04		0.00	28.04	3.33	24.71	
53	BETCI/RGSC (A.M.KUTHE)	16.00		120.3	136.30	13.80	122.50	
54	ETSF (R.KUMAR/R.K.INGLE)	0.00		1	1.00	0.55	0.45	
55	SDPIN (B.R.SANKAPAL)	0.00		27	27.00	22.13	4.87	
56	SCGCS/SERB (R.S.GEDAM)	0.00		23	23.00	2.43	20.57	
57	MPMLSS (A.PATEL)	0.00		17.25	17.25	0.55	16.70	
58	SBUS/ SERB (A.MANDAL)	0.00		42.8	42.80	0.88	41.92	
59	SERB/ESMU (R.KOTHARKAR)	0.00		10	10.00	1.85	8.15	
60	BEPL/ETP (SAM)	0.00		1.00	1.00	0.51	0.49	
61	FAST TRACK/PLHC (VIJAYAKUMAR R.P.)	0.00		23.2	23.20	0.00	23.20	
62	STEEL DEVELOPMENT FUND (S.U.PATHAK)	0.00		25.45	25.45	13.29	12.17	
63	NMHCL (G.NAGA RAJU)	0.00		3.852	3.85	0.35	3.51	
64	AAKASH PROJECT (M.M.DHABU)	0.00		1.00	1.00	1.00	0.00	
65	DST/RESCUE (HMS)	0.00		24.54	24.54	0.00	24.54	
66	MMHOZ (AVINASH VASUDEO)	0.00		0.25	0.25	0.00	0.25	
67	Inv.CuZnSnSe 4(UGC-DAE) (GHC)	0.00		2.47	2.47	1.05	1.42	
68	NBHM/ SFIM(M.DEVAKAR)	0.00		1.83	1.83	0.00	1.83	
69	DRDO (KLW & DZS)	0.00		0.59	0.59	0.59	0.00	
	Subtotal(C)	54.36	0.00	325.53	379.89	65.95	313.94	0.00
	Total	391.20	17.39	438.13	811.94	290.20	553.98	32.23

Date: 12.06.2015
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VISHVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE-3(b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

Amount in Lakhs

1.Sr. no.	2.Name of Sponsor	Opening balance as on 01.04.14		Transactions during the year		Closing Balance as on 31.03.15	
		3.CREDIT	4.DEBIT	5.CREDIT	6.DEBIT	7.CREDIT	8.DEBIT
1	University Grants Commission						
	Total	0.00	0.00	0.00	0.00	0.00	0.00
2	Ministry...						
	GOI, MINISTRY OF SOCIAL JUSTICE & EMPOWERMENT NEW DELHI/GOI MINISTRY OF TRIBAL AFFAIRS, NEW DELHI	-	-	44.68	44.68	0.00	0.00
	GOI, MINISTRY OF TRIBAL AFFAIRS, NEW DELHI (NEW CENTRAL SCHOLARSHIP FOR TOP CLASS EDUCATION FOR ST STUDENTS)	-	-	14.16	3.08	11.08	0.00
	Total	0.00	0.00	58.84	47.76	11.08	0.00
3	Others (Specify Individually)						
	PROJECT OFFICER INTEGRATED TRIBAL DEV PROJECT, NAGPUR	24.35		9.98		34.33	0.00
	SOCIAL WELFARE DISTRICT HYDERABAD KR FOR POST MATRIC SCHOLARSHIP/JT. DIRECTOR.DY DIR(SW) RANGA REDDY DTST HYDRABAD/WARANGAL A.P.	0.40			0.40	0.00	0.00
	THE COLLECTOR (ADIVASI VIKAS) CHHINWADAH	0.20				0.20	0.00
	ASSISTANT COMMISSIONER GOVT INDIA POST SSC SCHOLARSHIP	92.40		5.78	35.68	62.50	0.00
	UNCLASSIFIED INFORMATION	1.65		6.61	0.83	7.43	0.00
	CEP-STC IIT KHARA	0.22				0.22	0.00
	JILHA KALYAN KARYALAY BHOJPUR	0.44				0.44	0.00
	ARARIA SAMAHARNALAY	0.45				0.45	0.00
	SARAN SAMAHARNALAY CHHAPRA	0.50				0.50	0.00
	COLLECTOR OFFICE (ADIVASI VIKAS) BALAGHAT	0.12				0.12	0.00
	SAMAHARNALAYA PURVI CHANPARAN MOTIHARI (JILHA KALYAN SHAKHA)	0.45				0.45	0.00
	Total	121.18	0	22.37	36.91	106.64	0
	Subtotal	121.18	0.00	81.21	84.67	117.72	0.00

Date: 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE-3(b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

Amount in Lakhs

1. Sr. no.	2. Name of Sponsor	Opening balance as on 01.04.14	Transactions during the year	Closing Balance as on 31.03.15	
	MAULANA AZAD NATIONAL FELLOWSHIP	0.93		0.93	0.00
	OIL & NATURAL GAS CORPORATION	1.60	1.20	1.20	0.00
	DR. K. L. MEMORIAL CHARITABLE TRUST GOMTI NAGAR LUCKNOW UP		0.12	0.12	0.00
	COLLECTOR OFFICE (TRIBAL DEVELOPMENT) DIST RAIPUR		0.28	0.28	0.00
	DY DIRECTOR/DISTRICT TRIBAL WELFARE OFFICER GUNTUR AP/ KHAMMAM (AP) (TS)		3.27	3.27	0.00
	SPECIAL DISTRICT SOCIAL WELFARE OFFICER, NAGPUR	101.55	107.16	157.75	50.96
	RAJASHREE SHAHU MAHARAJ MERIT SCH. PUNE/SW MH STATE PUNE		2.65	2.65	0.00
	EDCIL (INDIA) LTD NOIDA FOR SPDC SCHOLARSHIP DELHI		25.01	12.32	12.69
	OFFICE OF TALUKA WELFARE, SEDAM KARNATAKA		0.47	0.47	0.00
	DY/DIRECTOR /DISTRICT TRIBAL WELFARE OFFICER, KADAPA DIST		0.40	0.40	0.00
	SOCIAL WELFARE OFFICER BHALKI KARNATAKA		0.44	0.44	0.00
	AIEEE-2010 MERIT SCHOLARSHIP (CSAB, ROUKELA)		1.75	1.75	0.00
	KHANDELWAL PROFESSIONAL ASSOCIATIONS MUMBAI		0.70	0.70	0.00
	DISTRICT WELFARE OFFICER, PATNA (BIHAR)		0.51	0.51	0.00
	DY DIRECTOR/DISTRICT TRIBAL WELFARE OFFICER GUNTUR AP/ KHAMMAM (AP)		1.22	1.22	0.00
	DEPUTY DIRECTOR/DISTRICT TRIBAL WELFARE OFFICER, NALGONDA (TELANGANA)		1.64	1.23	0.41
	VISAKHAPATNAM STEEL PLANT, VISAKHAPATNAM (A.P.)			0.18	0.00
	JOINT DIRECTOR / DEPUTY DIRECTOR (SCDD), NIZAMABAD, HYDERABAD (TELANGANA) STATE (TS)		1.64	1.64	0.00
	CALSOFT PVT. LTD. (MH)		0.25	0.25	0.00
	DY. DIRECTOR / DISTRICT TRIBAL WELFARE OFFICER, WARANGAL (TELANGANA)		2.07	2.07	0.00
	DY DIRECTOR / D.T.W.O., ADILABAD (A.P.)		0.40	0.40	0.00
	Subtotal	104.08	0.00	151.18	66.87
					0.18

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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE-3(b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

1.Sr. no.	2.Name of Sponsor	Amount in Lakhs			
		Opening balance as on 01.04.14	Transactions during the year		Closing Balance as on 31.03.15
	JOINT DIRECTOR / DEPUTY DIRECTOR (SCDD), RANGA REDDY (TELANGANNA STATE)		1.62	1.62	0.00
	DISTRICT WELFARE OFFICER, VAISHALI SAMAHARNALAYA, VAISHALI (BIHAR)		0.48	0.48	0.00
	Total	0.00	2.10	2.10	0.00
	GRAND TOTAL	225.26	0.00	234.49	184.59

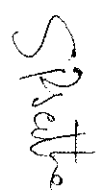
NOTE:

1.The total of Column 7(Credit) will appear under the above head, on the liabilities side of Balance Sheet (Schedule3).

2.The total of Column 8(Debit) will appear as Receivables on the Assets side of the Balance Sheet in Schedule 8(Loans,Advances & Deposits)

Date: 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015


SCHEDULE 3(c) UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS

(Rs. In Lakhs)

	Current Year	Previous Year
A. Plan grants: Government of India		
Unutilised Plan Grant balance as on 01/04/2014		
Plan Grant	4805.28	3605.90
Plan Grant Liabilities as on 01/04/2014	15083.62	13030.32
Total	19888.90	16636.22
Add: Receipts during the year		
Plan Grant	2402.00	5125.00
Plan Grant Liabilities(DCL) - Assets capitalised	2567.09	3308.26
Total	4969.09	8433.26
Total (a)	24857.99	25069.48
Less Refunds	-	-
Less: Utilized for Revenue Expenditure	-	-
Less: Utilized for Capital expenditure	-	-
Plan Grant Utilised	3407.96	3925.63
Plan Grant Liabilities(DCL) Depreciation	1490.89	1254.95
Total (b)	4898.85	5180.58
Unutilized carried forward (a-b)	19959.14	19888.90
*Grand Total (A+B)	19959.14	19888.90

Date: 12.06.2015
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DEAN (P&D)


DIRECTOR

SCHEDULE - 4 : FIXED ASSETS

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015

(Rs. In Lakhs)

Gross Block												Depreciation for the Year				Net Block	
S.No.		Assets Heads		Op Balance	Additions	Deductions	Closing Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Depreciation	31.03.15	31.03.14				
1		Land	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01				
2		Buildings	10628.73	912.78	0.00	11541.51	531.45	30.36			561.81	10979.70	10628.73				
3		Roads & Bridges	192.29	0.00	0.00	192.29	9.61	0.00			9.61	182.68	192.29				
4		Tubewells & Water Supply	32.97	2.10	0.00	35.07	1.65	0.04			1.69	33.38	32.97				
5		Electrical Installation and equipment	427.32	116.11	0.00	543.43	21.37	3.06			24.43	519.00	427.32				
6		Plant & Machinery	888.74	583.07	0.00	1471.81	355.5	87.59			443.09	1028.72	888.74				
7		Scientific & Laboratory Equipment	101.67	4.27	0.00	105.94	40.67	1.17			41.84	64.10	101.67				
8		Office Equipment	43.84	1.69	0.00	45.53	17.54	0.13			17.67	27.86	43.84				
9		Computers & Peripherals	383.74	69.39	0.00	453.13	153.49	11.93			165.42	287.71	383.74				
10		Furniture, Fixtures & Fittings	253.87	55.17	0.00	309.04	63.47	8.84			72.31	236.73	253.87				
11		Vehicles	0.33	13.15	0.00	13.48	0.08	2.20			2.28	11.20	0.33				
12		Lb. Books & Scientific Journals	223.65	16.4	0.00	240.05	111.82	0.63			112.45	127.60	223.65				
13		Small Value Assets															
14		Robot Aculator 6 PCS	0.14	0.00	0.00	0.14	0.05				0.05	0.09	0.14				
15		DD Fund Assets	0.51	0.00	0.00	0.51	0.20				0.20	0.31	0.51				
16		Gymkhana Assets	3.80	1.20	0.00	5.00	1.52	0.21			1.73	3.27	3.80				
		Total (A)	13181.61	1775.33	0.00	14956.93	1308.42	146.16	0.00		1454.58	13502.36	13181.61				
17		Capital Work in Progress (B)	1820.85	1860.21	1099.77	2581.29					0.00	2581.29	1820.85				
S.No		Assets Heads	Op Balance	Additions	Deductions	CI Balance	Dep Opening Balance	Depreciation for the Year	Deductions / Adjustment	Total Amortisation Adjustments		31.03.15	31.03.14				
18		Patents	0.26			0.26		0.17			0.17	0.09	0.26				
19		E-Journals				0.00					0.00						
20		Computer Software	85.21	32.52		117.73	34.09	3.99			38.08	79.65	85.21				
		Total (C)	85.47	32.52	0.00	117.99	34.09	4.16	0.00		38.25	79.74	85.47				
		Grand Total (A+B+C)	15087.93	3668.06	1099.77	17656.21	1342.51	150.32	0.00		0.00	16163.39	15087.93				

Date: 12.06.2015
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VISHVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 5 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (FUND WISE)

(Rs. in Lakhs)

Sr. No.	Funds	Current Year	Previous Year
1	Corpus Investment	8777.91	6086.79
2	Non-Plan Investment	105.95	1209.49
3	Other Investments	1059.36	215.48
4	GRF Investments	1565.33	1458.87
5	Plan Investments	650.59	3203.00
6	Prize Fund Investments	12.49	12.37
7	Staff Dev. Fund Investments	132.53	122.08
8	Maintenance Fund Investments	41.86	38.52
9	Depreciation Fund Investments	39.29	36.17
10	DD Fund Investments	129.46	72.40
11	Gymkhana Investments	35.18	34.42
12	R&D Investments	519.09	312.35
	Total	13069.04	12801.94

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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 7 — CURRENT ASSETS

(Rs. In Lakhs)		Current Year	Previous Year
1. Stock / Inventory		1.15	0.00
2. Sundry Debtors:			
a) Debts Outstanding for a period exceeding six months (Recovery from pensioners)		2.59	8.59
3. Cash and Bank Balances			
a) With Scheduled Banks:		0.00	0.00
In Current Accounts			
Canara Bank			
A/c. No. 0265201011772	21.54		256.74
A/c. No. 3124201000005	2.45		247.14
A/c. No. 3124201000008	7.73		0.75
Margin Money	230.50		172.55
State Bank of India			
A/c. No. 10259420288	2943.17		-249.6
A/c. No. 10259420299	14.92		10.55
A/c. No. 10259420302	112.83		55.17
A/c. No. 10259420798	40.41		50.51
A/c. No. 10259420801	4.03		13.89
A/c. No. 30009217911	8.09		341.73
A/c. No. 30057831492	8.50		8.26
A/c. No. 30057831695	3.53		2.78
A/c. No. 30057831822	8.84		8.43
A/c. No. 33808418507	3.24		0.00
Total (A)	3413.52		927.49

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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR

SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015

SCHEDULE 7 — CURRENT ASSETS

Transfer	(Rs. In Lakhs)	
TEQIP II	116.01	0.04
R & D (DD Fund)	10.00	10.00
R&D 6.48	3.86	0.00
Subtotal	129.87	10.04
Workshop		
(TICE)RGSTC RMP	27.70	0.00
(SNC/SAM)R&D	1.64	0.00
SDPIN (DST SERB PROJECT)	15.49	0.00
Mizoram A/c.	1.60	1.60
Leave Salary Contribution Receivable	0.00	14.94
TDS	2.61	0.00
Subtotal	49.04	16.54
R & D Assets		
Loans & Advances	6.37	1.20
Bank Accounts	72.11	136.81
Institute Assets	0.35	0.21
Margine Money (6.24 CIVN)	14.00	-
Margine Money (6.69 SDPIN)	3.30	-
DD Fund (LIB)	-0.10	-
VNIT (Rent)	0.50	0.48
Subtotal	96.53	138.7
Total (B)	275.44	165.28
Grand total (A+B)	3688.96	1092.77

Date: 12.06.2015

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S. P. S. Patil
REGISTRAR

S. P. S. Patil
DEAN (P&D)

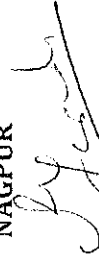
P. S. Chaudhari
DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

	(Rs. In Lakhs)	
	Current Year	Previous Year
1. Advances to employees: (Non-interest bearing)		
a) Salary		
b) Festival	3.00	2.69
c) Medical Advance	2.05	0.75
d) LTC Advance	0.05	2.47
e) Recoverable advance	11.63	13.09
d) Other (to be specified)	-	-
2. Prepaid Expenses		
a) Insurance	2.10	-
b) Other expenses	0.34	28.86
3. Deposits		
a) Electricity	28.41	28.41
b) Advance to CPWD	2557.50	3551.89
f) FD 32846538664 SHEELA CATERERS (SD)		0.50
c) Allied Gas Traders	0.02	0.02
d) HT Meter	5.03	5.03
e) Water Meter	1.00	1.00
f) Advance to NBCC	3173.05	0.00
4. Income Accrued:		
a) On Investments-Others (Non-plan)	0.19	35.28
TOTAL	5784.36	3669.99

Date: 12.06.2015

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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

	(Rs. In Lakhs)	
	Current Year	Previous Year
5. Other - Current assets receivable from UGC/sponsored projects		
b) Debit balances in Sponsored Fellowships & Scholarships	0.00	0.00
TOTAL	0.00	0.00
GRAND TOTAL	5784.36	3669.99

Date: 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 9 - ACADEMIC RECEIPTS

Amount in Lakhs		
	Current Year	Previous Year
FEEs FROM STUDENTS		
Academic		
1. Tuition fee	2235.76	1445.32
2. Admission fee	11.31	0.00
3. Enrolment fee	0.81	4.42
4. Library Admission fee	26.22	24.46
5. Registration fee	16.93	14.75
6. Summer Term Course fees	2.04	3.24
Total (A)	2293.07	1492.19
Examinations (B)	41.05	42.40
Total (A + B)	2334.12	1534.59

Date: 12.06.2015

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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 9 - ACADEMIC RECEIPTS

Amount in Lakhs		
Other Fees	Current Year	Previous Year
1. Identity card fee	3.60	1.91
2. Fine/ Miscellaneous fee	0.91	0.03
3. Internet & Computer Maint. Fees	24.52	20.27
4. Inter University Cultural Activity	1.35	1.97
5. Convocation Fees	3.17	2.90
6. Industry Inst. Interaction	7.99	8.07
7. Training & Placement Fees	10.45	4.43
8. Development Fees	132.12	22.05
9. Retention Fees	8.78	8.23
10. Gym Annual Day & Magazine Fees	2.63	7.92
11. Fine	1.00	0.05
12. Library Fees	5.87	
13. Direct Admission Student in Abroad		2.16
Total (C)	202.39	79.99
GRAND TOTAL (A+B+C)	2536.51	1614.58

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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 10 --- GRANTS / SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

Particulars	Amount in Lakhs				
	Plan		Total Plan	Non Plan UGC	Current Year Total
	Govt. of India	UGC			
		Plan	Specific Schemes		Previous Year Total
Balance B/F					
Plan General Stipend Appropriation	840.88				558.40
Non-Plan Grant 31 Gen-Appropriation	900.21				987.51
Non-Plan Grant 36 Salary-Appropriation	5839.62				5193.48
Plan Grant SC recurring Appropriation	0.00				8.58
			7580.71		
Total	7580.71		7580.71		6747.97

Date: 12.06.2015

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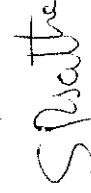
VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCESHEET AS AT 31st MARCH 2015
SCHEDULE 11 - INCOME FROM INVESTMENTS

Amount in Lakhs			
Particulars	Other Investments		Previous Year
	Current Year		
1. Interest			
2. Interest on Term Deposits	8.89		0.04
3. Income accrued but not due on Term Deposits	0.19		
4. Interest on Savings Bank Accounts			
5. Others			
Interest on NBCC	25.61		
Interest on non plan	56.33		35.28
Interest on FD mess	42.28		
Total			
Transferred to Earmarked/Endowment Funds			
Balance	133.30		35.32

Note: Interest accrued but not due on Term Deposits from HBA fund, conveyance advance fund and Computer Advance fund and on interest bearing advances to employees will be included here (Item 3), only where Revolving funds (EMF) for such advances have been set up.

Date: 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE 12- OTHER INCOME

		Amount in Lakhs	
A. Income from Land & Buildings		Current Year	Previous Year
1. Hostel Fees, Rent, other Receipts		278.58	188.69
2. Rent from staff quarters		8.91	7.61
3. Electricity charges recovered		63.90	166.69
4. Water charges recovered		9.69	47.59
5. Guest House Rent Receipts		16.13	16.33
6. Shop/Canteen/Bank & Post Office Rent		3.74	3.81
7. Schemes Overheads & others		7.13	0.12
Total		388.08	430.84
B. Others			
1. Income from Testing, consultancy & others		178.31	278.01
2. RTI fees, M Tech fees, Infrastructure usage fees		1.46	0.25
4. Sale of application form (recruitment)		5.74	-
5. Sale of tender form, waste paper, etc.		16.03	0.02
6. Medical Subscription & Registration fees		6.46	3.94
7. Gymkhana fees		21.99	15.97
Total		229.99	298.19
Grand Total (A+B)		618.07	729.03

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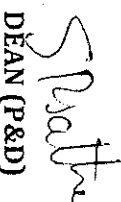

DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE 13 - PRIOR PERIOD INCOME

Particulars	Amount in Lakhs	
	Current Year	Previous Year
1. Academic Receipts		
2. Income from Investments		
3. Interest earned		
4. Other Income		
Guest House Rent Receipts	0.17	
Shop/Canteen/Bank & Post		
Office Rent	0.06	
Electricity charges recovered	0.94	
Total	1.17	0.00

Date: 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR

SCHEDULE 14 — STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

These shall be classified separately for teaching and non-teaching staff, adhoc staff, Arrears of DA, Salary arrears due to increment shall be shown separately

		Amount in Lakhs	
		Current Year	Previous Year
	Non Plan		
a) i. Salaries and Wages			
1. Teaching staff		2434.28	2064.45
2. Non Teaching Staff		478.48	419.00
3. Class IV & Supporting staff		254.93	234.45
4. Adhoc staff & Others		714.51	696.36
Subtotal		3882.20	3414.26
ii. Arrears DA		62.04	75.26
b) Bonus		5.68	6.16
d) Contribution to NPS			
1. New Pension Scheme (Faculty)		83.70	70.01
2. New Pension Scheme (Class III)		11.37	4.87
3. New Pension Scheme Support Staff		0.24	1.22
4. Pension Arrears		14.33	17.96
Subtotal		109.64	94.06
f) Retirement and Terminal Benefits			
ii. Pension		1219.39	1102.21
iii. Encashment Of EI		95.43	125.43
iv. Gratuity			
1. Support Staff		11.05	21.11
2. Faculty Staff		50.00	82.56
3. Non-Teaching Staff			0.32
4. Class Staff			18.54
Subtotal		61.05	122.53
Total		5435.43	4939.91

Date : 12.06.2015
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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR

SCHEDULE 14— STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

These shall be classified separately for teaching and non-teaching staff; adhoc staff, Arrears of DA, Salary arrears due to increment shall be shown separately

Amount in Lakhs

	Current Year	Previous Year
	Non Plan	Non Plan

g) LTC facility		
1. Leave Travel Concession Faculty	26.44	35.45
2. Leave Travel Concession Non Tech Staff	2.65	2.80
3. Leave Travel Concession Class III	2.64	2.02
4. Leave Travel Concession Support Staff	1.90	0.91
5. Leave Travel Concession Faculty (Nps)	2.84	2.19
6. Leave Travel Concession Non Tech(NPS)	0.36	
7. Leave Travel Concession Class III(NPS)	1.38	
Subtotal	38.21	43.37
h) Medical facility & Staff Welfare Expenses		
	66.82	68.45
i) Children Education Allowance		
1. Child. Edu. Allow. Faculty	17.81	9.66
2. Child. Edu. Allow. Non Teach. Staff	0.01	0.15
3. Child. Edu. Allow. Class III	9.66	8.24
4. Child. Edu. Allow. Support Staff	3.50	2.43
5. Child. Edu. Allow. Faculty (Nps)	4.71	9.80
6. Child. Edu. Allow Class III (Nps)	2.03	0.73
7. Child. Edu. Allow. Support Staff (Nps)	0.19	0.47
Subtotal	37.91	31.48
Telephone reimbursement	15.78	15.65
BOARD apprentice training	2.57	2.50
6. Professional Dev Allow.	242.88	100.70
Subtotal	261.23	118.85
Total	404.17	262.15
GRAND TOTAL	5839.60	5202.06

Date: 12.06.2015

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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE 15 - ACADEMIC EXPENSES

Amount in Lakhs

	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Laboratory expenses		2.96	2.96		6.58	6.58
b) Field work/Participation in Conferences		1.25	1.25		1.06	1.06
c) Expenses on Seminars/workshops		0.69	0.69		12.23	12.23
d) Payment to visiting faculty						
e) Examination						
1.Examination Exp		23.60	23.60		17.86	17.86
2.Refreshment Of Exam		3.96	3.96		3.01	3.01
f) Student Welfare expenses						
g) Admission expenses						
h) Convocation expenses		10.70	10.70		13.41	13.41
i) Publications						
j) Stipend/means-cum-merit scholarship	840.88		840.88	558.40		558.40
k) Subscription Expenses					0.01	0.01
l) Others						
1. Gymkhana(Sports)		7.07	7.07		7.00	7.00
2. Gymkhana(Activities)		3.78	3.78		8.56	8.56
3. Clubs		6.75	6.75		3.79	3.79
4. P.H.D. Full Time Contingency		18.80	18.80		13.81	13.81
5. National Board of Accreditation		16.56	16.56			
6. Payment of Visiting faculty					5.04	5.04
6. Other Academic expenses		9.00	9.00		2.78	2.78
TOTAL	840.88	105.12	946.00	558.40	95.14	653.54

Date: 12.06.2015
Nagpur


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DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE 16 - ADMINISTRATIVE AND GENERAL EXPENSES

Amount in lakhs

	Current Year	Previous Year
	Non Plan	Non Plan
A. Infrastructure		
a) Electricity and power	222.48	307.42
b) Water charges	25.74	53.60
c) Insurance	10.50	11.28
Subtotal	258.72	372.30
B. Communication		
e) Postage and Stationery	2.70	3.02
f) Telephone, Fax and Internet Charges	37.16	38.92
Subtotal	39.86	41.94
C. Others administrative expenses		
g) Printing and Stationery (consumption)	28.17	14.66
h) Travelling and Conveyance Expenses	8.03	17.28
i) Hospitality	6.40	6.91
j) Auditors Remuneration	1.31	1.40
k) Professional Charges/Legal charges	8.92	5.55
l) Advertisement and Publicity	17.59	18.99
m) Magazines & Journals	47.44	46.76
n) Computer consumables	12.06	11.61
Subtotal	129.92	123.16
TOTAL (A)	428.50	537.40

Date: 12.06.2015

Nagpur

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DEAN (P&D)

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DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE 16 - ADMINISTRATIVE AND GENERAL EXPENSES

Amount in lakhs

	Current Year	Previous Year
	Non Plan	Non Plan
d) Other general expenses		
Boards & Committees	16.32	15.99
Promotion Of Hindi	1.43	1.36
Nit Transit House	2.50	2.51
Nit Review Committee	4.84	18.48
Casual Work	2.62	2.37
Consumable	38.96	29.12
Garden / Horticulture Maint.	1.55	2.77
Maintenance Of Epabx/ Phones	8.09	5.11
Guest House Service Charges	22.97	20.83
Staff Recruitments	10.58	
Depreciation	1.94	2.20
Mis. Exp.	16.47	7.74
Transportation expense	0.57	1.30
Total (B)	128.84	109.78
GRAND TOTAL (A+B)	557.34	647.18

Date: 12.06.2015
Nagpur


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DEAN (P&D)

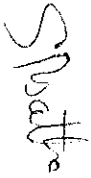

DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE - 17 :REPAIRS & MAINTENANCE

Particulars	Amount in Lakhs	
	Current Year	Previous Year
	Non Plan	Non Plan
a) Buildings	106.25	124.09
b) Furniture & Fixtures	33.32	31.03
c) Plant & Machinery		0.00
d) Office Equipment	19.37	3.88
e) Computers	15.26	80.11
f) Laboratory & Scientific equipment		0.00
g) Audio Visual equipment		0.00
h) Cleaning Material & Services	0.06	1.74
i) Book binding charges		0.00
j) Gardening		0.00
k) Estate Maintenance	6.82	6.53
l) Others (Specify)		0.00
Total	181.08	247.38

Date: 12.06.2015
Nagpur


REGISTRAR


DEAN (P&D)


DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULE 18 - OTHER EXPENSES

Amount in Lakhs

Particulars	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Provision for Bad and Doubtful Debts/Advances						
b) Irrecoverable Balances Written - off						
c) Grants/Subsidies to other institutions/organizations						
d) Others :						
1. Visit Charges expenses		0.30	0.30		1.93	1.93
2. Consultancy expenses		167.72	167.72		256.35	256.35
3. Consumables expenses		0.22	0.22		1.49	1.49
4. Report Writing expenses		0.06	0.06		0.55	0.55
5. Testing expenses		9.90	9.90		17.58	17.58
Total	0.00	178.20	178.20	0.00	277.90	277.90

Date: 12.06.2015
Nagpur


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE 19: PRIOR PERIOD EXPENSES

Amount in Lakhs

Particulars	Current Year				Previous Year			
	Plan	Non Plan	Total		Plan	Non Plan	Total	
1.Academic expenses								
Examination		0.01	0.01					
Technical Competition/Presentation		0.06	0.06					
2.Administrative expenses								
Advertisement		0.37	0.37					
Computer consumables		0.61	0.61					
Consumables		0.16	0.16					
Electricity/(MSEDCL)		35.28	35.28					
Guest House Service Charges		2.07	2.07					
Hospitality		0.08	0.08					
Maintenance of EPABX/Phones		0.57	0.57					
Printing & Stationery		0.16	0.16					
Telephone & Internet Charges		7.34	7.34					
Water Charges		4.80	4.80					
3.Repairs & Maintenance								
Furniture & Fixtures		0.25	0.25					
Ground Maintenance		0.56	0.56					
M&R Computer Equipments		0.58	0.58					
M&R Computer Equipments		0.76	0.76					
M&R Electrical Installation		0.75	0.75					
M&R Electrical Installation		0.62	0.62					
M&R Electrical Installation		0.59	0.59					
Stale Cheque		1.07	1.07					
Total		56.68	56.68					

Date: 12.06.2015
Nagpur

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DEAN (P&D)

[Signature]
DIRECTOR

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE 20 : RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD 2014-2015

(Rs. In Lakhs)

RECEIPTS	Current Year	PAYMENTS	Current Year
I. Opening Balances as on 01/04/2014		I. Expenses	
a) Cash Balances		a) Establishment Expenses	5839.60
b) Bank Balance	918.91	b) Academic Expenses	946.06
		c) Administrative Expenses	555.40
		d) Repairs & Maintenance	181.08
		e) Others	178.20
II. Grants Received		II. Payments against Sponsored Projects/Schemes	290.20
Plan Grant	2402.00		
Non-Plan Grants	8200.00	III. Payments against Sponsored Fellowships/Scholarships	275.34
III. Academic & Hostel Receipts etc.	3154.58	IV. Term Deposits	
		a) Out of Earmarked/Endowments funds	2819.51
IV. Receipts against Earmarked/Endowment Funds	193.73	V. Expenditure on Fixed Assets and Capital Works	
		In-Progress	
		a) Fixed Assets	1807.44
V. Receipts against Sponsored/Projects/Schemes	438.13	b) Capital Works-In-Progress	760.44
VI. Receipts against sponsored Fellowships and Scholarships	234.49	VI. Change in Working capital	1741.02
VII. Interest received on Corpus Fund/Plan Fund	709.82	VII. Closing balances as on 31/03/2015	
VIII. Term Deposits with Scheduled Banks encashed	2552.41	a) Bank balance	3409.78
TOTAL	18804.07	TOTAL	18804.07

Date: 12.06.2015
NAGPUR


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Schedule 21 : NOTES TO ACCOUNTS

1. Annual Accounts of the year 2014-15 are finalised on accrual basis and in the revised formats as per directives received from MHRD, vide Letter. No. 29-4/2012-IFD Dtd. 17th April, 2015. All efforts are made to strictly comply with presentation of Financial Statements and disclosure of information as per directives received. Where ever there is deviation in the compliance , same has been disclosed in the "Accounting Policies" and in the "Notes to the Accounts".
2. While furnishing details of various Capital and Revenue particulars and their Disclosure/ Treatment in Accounts, Materiality of the transaction and the impact on the over all financial results is taken into consideration.
- 3.1 Depreciation Rates adopted by Institute as mentioned in the Accounts Policy are at variance and are on higher side than Depreciation rates advised by MHRD vide the letter referred. The rates adopted are in line with Depreciation rates followed in earlier years and is based on assessed useful life period of the assets.
- 3.2 Depreciation is not charged to Income & Expenditure Account as most of the Assets have been procured from Grants received from Govt. of India. Institute, as a practice is reflecting the Fixed assets procured out of Plan funds at gross value and a corresponding amount is shown on Liabilities side of Balance Sheet Under head "Plan Grant Liabilities". Depreciation chargeable in the year is reduced from Gross Value of Assets and corresponding amount is deducted from "Plan Grant Liabilities". In case of assets procured out of Institute funds, depreciation is charged to Income & Expenditure account.
4. As on 31.03.2015, Court Cases filed against the Institution, are by former / present employees, and same are pending for decisions. The suits filed by employees were of establishment—related nature viz promotions, increments, pay scales, termination from services etc. The quantum of the claim is not ascertainable.
5. Letters of credit established by the Bank on behalf of the Institution and outstanding at the end of the year i.e. on 31.3.2015 is Rs 230.50 Lakhs (Previous year Rs. 172.55 Lakhs)

6. Capital commitments in respect of contracts remaining to be executed on Capital Account and not provided for (Net of Advances) amounted to Rs 271.33 lakhs as on 31.03.15. (Previous year Rs. 861.71 lakhs).

7. Additions to Fixed Assets during the year, purchased out of Plan Funds Rs 2567.09 Lakhs and corresponding credit is made to Capital Liability Account. No assets were received by way of gifts during the year. Fixed Assets of the Institute does not include any assets procured out of funds received for sponsored Schemes/Projects

8. Till the year 2013-14, no separate details of expenditure incurred are maintained on Patents registered and is mostly charged to revenue expenditure. From current year, 2014-15, guide lines issued by MHRD are implemented.

9. The Hostel fee collected towards room rent, Electricity & Water charges and other expenses are taken to the credit of Income & Expenditure account and corresponding expenses and Maintenance costs are charged to the account. With regard to Mess operated for Hostel students, Mess charges are collected as per rates paid to contractors, running the Mess.

10. Valuation of retirement benefits payable to employees towards Pension, Family Pension, Gratuity and Leave encashment have been made through Actuarial basis, both as of 31.03.2014 and 31.03.2015 as per directives received from MHRD. The liability particulars and provision made towards these benefits during 2014-15 are as under:

Nature of Retirement Benefit	Valuation of Liability as on 31.03.2015	31.03.2014	Provision Required (Year) 2014-15	(Rs. In Lakhs) 2013-14
1. Pension and Family Pension	21322.47	19260.14	2062.33	---
2. Gratuity	1151.91	998.32	161.59	---
3. Leave Encashment	1265.06	1035.97	229.63	----

1. No provision is made in accounts towards the above liabilities.

2. Provision Required is net of The Actual Payment made during the 2014-15, against the above retirement benefit.

11. Institute has incurred following expenses in Foreign Currency during the year 2014-15 on foreign Travel and import of Equipment

Expenditure Particulars	US \$	Euros	Japanese Yens
Import of Equipment	2,28,537	1,60,422	25,90,000
Travel Expenses	----	----	3,10,000

12. Institute has not incurred any expenditure of exceptional and Extra-ordinary nature during the year.

13. In the opinion of the Management, the current assets, Loans, Advances and Deposits have a value on realization in the ordinary course, equal at least to the aggregate amount shown in the Balance Sheet.

14. Plan and Non-Plan Grants sanctioned for 4th Quarter of the Year 2014-15 and vide their letter Dtd. 12th March & 16th March 2015 and released by Ministry were credited to bank account on 4-04-2015, though they were released much earlier. (Due to intervening Public Holidays and closure of Bank on 1st April, 2015. Hence, credit for these amounts were taken in books of Accounts in 2014-15.

15. Particulars of General Provident Fund Account of employees for the year 2014-15, Viz., Interest liability on Employee fund balances, Liability to Employees as on 31-03-2015 together with Corpus of GPF fund and Interest earned by the Fund during the year 2014-15 are as under :

i. Total Interest Liability to Employees in 2014-15	:	Rs 1,31,54,603.00
ii. Funds Liability to employees as on 31-03-2015	:	Rs. 17,62,16,631.00
iii. Interest Earnings of the fund from Investments	:	Rs. 1,35,43,202.00

The fund is having adequate funds to cover the employee liabilities.

16. Institute is regular in remittance of NPS subscriptions of employees / contributions of Employer. However, in respect of certain employees whose PRAN cards are in the process of issue an amount of Rs. 10,75,057.00 Lakhs is pending for remittance with NSDL.
17. All the funds of the Institute are maintained with Scheduled Banks only and no investments are made in Non-Scheduled Banks.
18. Previous year figures have been re grouped in current year, as required by the revised formats.
19. Figures in Final Accounts have been rounded off to the nearest Lakhs in Rupees.

Date : 12.06.2015
Nagpur


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SCHEDULE: 22

SIGNIFICANT ACCOUNTING POLICIES

1. BASIS FOR PREPARATION OF ACCOUNT

The accounts are prepared under the Historical Cost Convention unless otherwise stated and generally on the Accrual method of accounting.

2. REVENUE RECOGNITION

2.1 Fees from Students (except Tuition Fees), Sale of Admission Forms, Interest on deposits made out of Corpus fund, Earmarked Funds, Plan funds and interest bearing advances made to others are accounted on cash basis. Interest on non plan funds is recognised on Accrual basis. Tuition Fees collected separately for each semester and is accounted on accrual basis.

2.2 Income from Land, Buildings and Other Property and Interest on Investments are accounted on accrual basis.

2.3 Interest on interest bearing advances to staff for House Building, Purchase of Vehicles and Computers is accounted on Cash basis every year, since actual recovery of interest starts after the full repayment of the Principal. House building Advance to employees as well as recoveries from employees are adjusted in Corpus fund

2.4 In respect of earnings from Testing and Consultancy jobs, revenue is accounted on progress of the assignment and proportionate basis, to the extent job is completed.

3. FIXED ASSETS AND DEPRECIATION

All assets transferred to VNIT from VRCE, Nagpur are considered in Financial statements at values they were initially transferred and recorded in books of Institute. In respect of all subsequent acquisition of assets, following Accounting policy is followed:

- 3.1 Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.
- 3.2 Gifted / Donated assets are valued at the declared value where available; if not available, the value is estimated based on the present market value adjusted with reference to the physical condition of the asset. They are set-up by credit to Capital Fund and merged with the Fixed Assets of the Institution. Depreciation is charged at the rates applicable to the respective assets.
- 3.3 Books received as gifts, are valued at selling prices printed on the books. Where they are not printed, the value is based on assessment.
- 3.4 Fixed assets are valued at cost less accumulated depreciation. Depreciation on fixed assets is provided on Written down value method, at following rates:

Tangible Assets:

Sr. No	Particulars of Asset	Depreciation Rate (%)
1.	Land	0
2.	Site Development	0
3.	Tube wells & Water Supply	5
4.	Buildings	5
5.	Roads & Bridges	5

6.	Electrical Installation & equipment	5
7.	Computers & Peripherals	40
8.	Furniture, Fixtures & Fittings	25
9.	Vehicles	25
10.	Lib. Books & Scientific Journals	50
11.	Office Equipment	40

Intangible Assets (amortization):

1.	E-Journals	40
2.	Computer Software	40
3.	Patents and Copyrights	9 years

3.5 Depreciation is provided for on pro-rata monthly basis. Where an asset is procured between 1st and 15th of particular month, full depreciation is charged for the month and no depreciation is charged, in case the procurement is made after the date.

3.6 All Individual & Physical particulars of Assets procured by the Institute are maintained by respective departments. Centralised details of Individual Asset costs are not maintained in Finance Department. In light of MHRD Guidelines, Steps to maintain Individual Asset cost particulars will be initiated from year 2015-16 onwards, to enable Individual Asset wise Depreciation.

3.7 Assets created out of Earmarked & Sponsored Projects funds, where the ownership of such assets vests in the Institution, are credited to Capital Fund and merged with the Fixed Assets of the Institution. Depreciation is charged at the rates applicable to the respective assets. Assets created out of Sponsored Project funds, where the ownership is retained by the sponsors but held and used by the Institution are separately disclosed in the Notes on Accounts.

- 3.8 Assets, where individual value of each is Rs. 5000 or less (except Library Books), are treated as Small Value Assets and 100% depreciation is provided. However physical accounting and control are continued for these assets.

4.Intangible Assets:

Patents and copy rights, E Journals and Computer Software are grouped under Intangible Assets.

- 4.1 PATENTS: The expenditure incurred from time-to-time (application fees, legal expenses etc.) for obtaining Patents is kept in suspense account and shown in the Balance Sheet. If applications for patents are rejected, the cumulative expenditure incurred on the particular patent is written off to the Income & Expenditure Account in the year the application is rejected. The expenditure on Patents granted is written off over a life of 9 years on a conservative basis.

- 4.2 Electronic Journals (E-Journals) are separated from Library Books in view of the limited benefit that could be derived from the on-line access provided. E-Journals are not in a tangible form, but temporarily capitalized and in view of the magnitude of expenditure and the benefit derived in terms of perpetual knowledge acquired by the Academic and Research Staff. Depreciation is provided in respect of E-Journals as mentioned at 3.4

- 4.3 Expenditure on acquisition of software, where the same is purchased as an additional requirement, has been separated from computers and peripherals, as apart from being intangible assets, the rate of obsolescence in respect of these is very high. Depreciation is provided @ 40% & both in respect of software, Computers & Peripherals.

5.STOCKS:

Expenditure on purchase of chemicals, glassware, publications and other stores is accounted as revenue expenditure, except that the value of closing stocks held on 31.st March is set up as inventories by reducing the corresponding Revenue Expenditure on the basis of information obtained from Departments. They are valued at cost.

6.RETIREMENT BENEFITS

No provision is made in accounts towards retirement benefits of Employees i.e. Pension, Family Pension, Gratuity, Leave encashment. Expenditure on these counts is accounted for as and when payable. In view of Guide lines from MHRD, Actuarial valuation of Liability on this count is ascertained and indicated in Notes forming part of the Accounts, Other retirement benefits viz., Contribution to New Pension Scheme, Medical reimbursement to retired employees and Travel to Home Town on retirement are accounted on accrual basis (actual payments plus outstanding bills at the end of the year).

7.INVESTMENTS

1. Long term investments are carried at their cost or face value whichever is lower.However any permanent diminution in their value as on the date of the Balance Sheet is provided for.
2. Short Term investments are carried at their cost or market value (if quoted), whichever is lower.

8. Earmarked/Endowment Funds

The following long terms funds are earmarked for specific purpose.

1. Depreciation Fund
2. Maintenance Fund
3. Staff Development Fund
4. DD fund
5. Gymkhana Fund
6. Awards Fund

7. Prize Fund
8. Student Aid Fund
9. Hostel Welfare Fund
10. Insurance Coverage to Students

Funds mentioned from 1 to 5 have separate bank accounts and other funds are managed through Institute bank account. Where the fund size is large and do not have immediate requirement, funds are invested in Term Deposits with Banks and interest earned is added back to the Fund. The assets created out of Earmarked Funds where the ownership vests in the institution, are merged with the assets of the Institution by crediting an equal amount to the Capital Fund. The balance in the respective funds is carried forward and is represented on the assets side by corresponding investment and balance in Bank, where separate bank accounts are maintained. Fund balances are periodically reconciled with corresponding investment and their bank balances.

8.1 CORPUS FUND: Corpus Fund is constituted comprising the Contributions received from DASA students,

Interest Received on Corpus, Plan and R& D sponsored funds. Institute's share in Technical & Consultancy fees is added to the Fund. The Corpus Fund is utilized as directed by Board of Governors of the Institution from time to time. The assets created out of the Corpus Fund are merged with the assets of the Institution. Balance is represented by balance in a separate Bank account, investment in RBI Bonds and Fixed Deposits with the Bank and interest on investments.

8.2. House Building Advances Fund : A revolving fund for the purpose of paying interest bearing advances to the officers & staff for House Building is maintained by Institute. Advances given to employees and, recoveries from these advances, including interest are adjusted to this Fund

8.3 JRF/SRF Fund : Fellowships to Junior/Senior Research Fellows are paid out of Funds provided by Government for the purpose.

In addition Stipend payments are also made from funds received under TEQUIP and other sponsors

8.4. Endowment Funds: Endowments are funds received from various individual donors, Trusts and other organizations, for establishing Chairs and for Medals & Prizes, as specified by the Donors. Each of the Endowment funds has its own investment and income from investment of each Endowment Fund is added to the Fund. The expenditure on Medals & Prizes is met from the interest earned on investment of the respective Endowment Funds and the balance is carried forward. In respect of Chairs, the corpus of the Endowment is also used. The balances are represented by Investment in Fixed Deposits and balance in the current Account common for all Endowments.

9 GOVERNMENT GRANTS

9.1 All Government Grants are accounted on realization basis. However, in case of Non-Plan Grants, Actual revenue Expenditure exceeding Non-Plan Grant received, is accounted as "receivable" and accordingly exhibited in Financial Statements. Grant subsequently received is adjusted against these receivables.

9.2 Capital expenditure incurred (on accrual basis) out of Government Plan grants is transferred to the Plan liability Fund.

9.3 Government Grants for meeting Revenue Expenditure, to the extent utilized / receivable (on accrual basis), are treated as income of the year in which they are shown receivable

9.4 Unutilized grants, including advances paid out of such grants, are carried forward and exhibited as liability in Balance Sheet.

10 INVESTMENTS OF EARMARKED FUNDS AND INTEREST INCOME ON SUCH INVESTMENTS:

To the extent not immediately required for expenditure, the amounts available against such funds are invested in approved Securities & Bonds or deposited for fixed term with Bank. Interest received, on such investments are added to the respective funds and not treated as income of the Institution.

11 SPONSORED PROJECTS

11.1 In respect of ongoing Sponsored Projects, the amounts received from sponsors are credited to the head "Current Liabilities and Provisions — Current Liabilities — Other Liabilities — Receipts against ongoing sponsored projects." As and when expenditure is incurred / advances are paid against such projects, or the concerned project account is debited with allocated overhead charges, the liability account is debited.

11.2 In addition to the Earmarked Fund for the Junior Research Fellowships funded by the University Grants Commission, Fellowships and Scholarships are also sponsored by various organizations. These are accounted in the same way as Sponsored Projects except that the expenditure generally is only on disbursement of Fellowships and Scholarships, which may include allowances for contingent expenditure by the Fellows and scholars.

11.3 The Institution itself also awards Fellowships and Scholarships, which are accounted as Academic expenses.

12. INCOME TAX: The income of the Institution is exempt from Income Tax under Section 10(23c) of the Income Tax Act. No provision for tax is therefore made in the accounts

Date : 12.06.2015
Nagpur


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Research Scholars at VNIT, Nagpur



VNIT Campus, A Source of Inspiration



The Director
Visvesvaraya National Institute of Technology
Nagpur

South Ambazari Road, Nagpur
Maharashtra, India 440 010
Ph. No. +91-712-222828, 2224123, 2231636
website: <http://vnit.ac.in>