



Director
Visvesvaraya National Institute of Technology
Nagpur

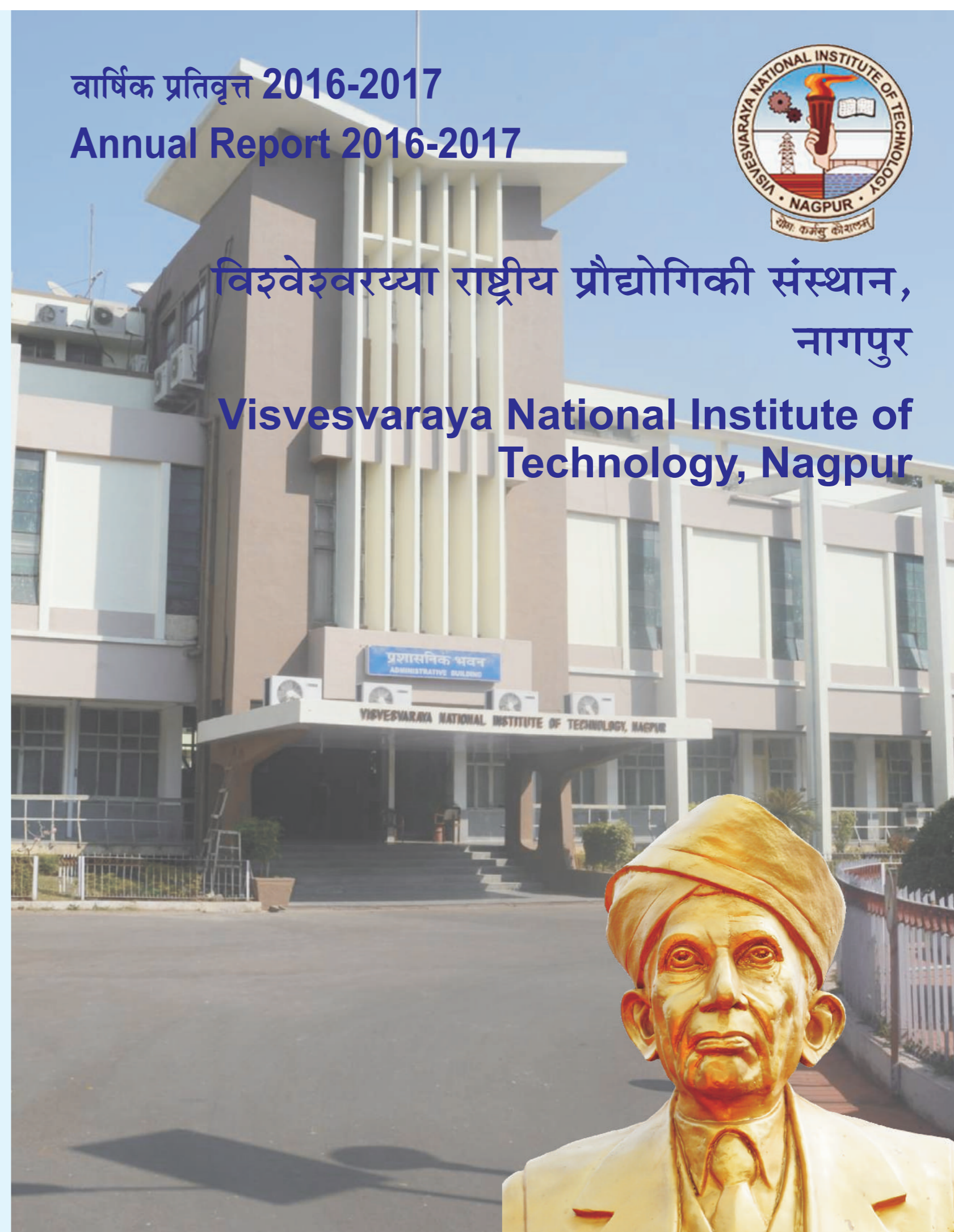
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VNIT ANNUAL REPORT 2016-2017

वार्षिक प्रतिवृत्त 2016-2017
Annual Report 2016-2017



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





भारत रत्न
सर मोक्षगुंडम विश्वेश्वरय्या
1860-1962

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 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.





वार्षिक प्रतिवृत्त

ANNUAL REPORT

2016-17

विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान, नागपुर-440 010.
Visvesvaraya National Institute of Technology,
Nagpur, India - 440010

INDEX

S.N.	Contents	Page No.
1	PRELUDE	
	INTRODUCTION	1
1.1	Vision and Mission	1
1.2	Objectives	2
1.3	Education system	2
1.4	New initiatives	3
	OVERVIEW	4
	Historical background	4
	Location	4
	Campus	4
	Administration	5
	Academic Programs	5
	Courses offered	5
	Admission Procedure	6
	Department at a glance	8
2	BOG, Senate and Various committees	9
2.1	Board of Governance	10
2.2	Finance Committee	11
2.3	Building and Works Committee	12
2.4	Senate	13
2.5	NIT Council	16
2.6	Store Purchase Committee	18
2.7	Grievance Committee	18
3	Academic Programs	19
3.1	Academic Programs	20
3.2	Programs offered	20
3.3	Admission Procedure	21
3.4	Students	21
3.5	Examination and Evaluation	21
3.6	Duration of Programs	22
3.7	Program-wise Enrolment	23
3.7 A	As per Gender	23

S.N.	Contents	Page No.
	3.7 B As per Category	24
	3.8 Admission Statistics	26
	3.9 Break-up of Seats	27
	3.10 Students Total Strength	27
	3.11 Scholarships and Funding Agency	28
	3.12 Concessions for SC, ST and PWD	28
4	14th Convocation	29
	4.1 General Information	30
	4.2 A Academic Excellence Award/Medals/Prizes for Securing Highest CGPA in B.Tech/B.Arch	30
	4.2 B Academic Excellence Award/Medals/Prizes for Securing Second Highest CGPA in B.Tech/B.Arch	32
	4.2 C Academic Excellence Award/Medals/Prizes for Securing Highest CGPA in M.Sc Programme	32
	4.2 D Academic Excellence Award/Medals/Prizes for Securing Highest CGPA in M.Tech Programme	33
	4.2 E Academic Excellence Award/Medals/Prizes for Excellence in studies at Pre Final Year/Sem	34
	4.3 Examination Details: Program wise No. of students awarded degree	38
5	T&P (Training And Placement)	39
	5.1 General information about Training And Placement	40
	5.2 A Optional training-general information	40
	5.2 B Compulsory training	41
	5.2 C Training of P.G. Students	41
	5.2 D Placement and General Policy	41
	5.2 E Activities of placement	42
	5.3 A Statistics of students placed	42
	5.3 B Statistic of placement	43
	5.4 Number of Jobs offered	44
6	Games and sports	51
	6.1 Games and sports- General	52
	6.2 Important events as per MHRD guidelines	53
	6.3 Participation of students in different game	54
	6.4 Local Tournaments	56

S.N.	Contents	Page No.
	6.5 Felicitation of Students	60
	6.6 Sport facilities available on the campus	60
7	Human Resources	61
	7.1 Staff position	62
	7.2 Faculty Position in Departments	63
	7.3 Faculty Members	64
	7.4 Newly Joined Faculty Members	74
	7.5 Non teaching Group "A" Staff Members	76
	7.6 Newly Joined Group "A" Staff Members	77
	7.7 Non teaching Group "B" Staff Members	78
	7.8 Non Teaching Group "C" Staff Members	80
	7.9 Supporting Staff Members	83
	7.10 Pay Band of Teaching staff	85
	7.11 Pay Band of Non Teaching Group "A" Staff	85
	7.12 Pay Band of Group "B" and Group "C" Staff	86
	7.13 Staff Members Retired/Resigned/Expired during the year	90
	7.13(A) Faculty members	90
	7.13 (B) Group "A" Staff Members	90
	7.13 (C) Group "C" Staff Member	91
	7.13(D) Supporting Staff Members	91
	7.14 Faculty Members with administrative responsibility	91
	7.15 Administrative staff	92
	7.16 Staff members deputed/sponsored for Training and Learning	92
8	Ph. D. Programs- Ongoing Ph.Ds	95
9	Ph. D. Completed	121
10	Research Publications	127
	10.1 International / National Referred Journals	128
	10.2 International and National Conference	161
11	Books Authored during the year 2016-17	183

S.N.	Contents	Page No.
12	Participation in International Conferences / National Conferences in India & Abroad	187
13	R & D projects	201
14	Patents	221
15	Industry Institution Collaboration	229
16	Innovation & Technology Transfer	251
17	Seminars / Summer Schools /Short Term Courses/ Workshops	255
	17.1 Organized by VNIT	256
	17.2 Staff members deputed by the Institute	263
18	Departmental Laboratories	271
19	Library and Information	277
20	Other Facilities	281
21	Notable Achievements	285
	21.1 Institute Achievement	286
	21.2 Department wise Achievement	287
22	Annual Audit Report 2016-17	301
23	Annual Accounts 2016-17	311
24	GPF Annual Accounts 2016-17	331

Prelude

Year 2016-17 has witnessed the widening of horizon, creating significant shift in the narration of Visvesvaraya National Institute of Technology, Nagpur. This is evident from the sudden spurt of enviable activities of all sorts in every sphere in the institute.

The current ranking scenario as adjudged by i3RC Times Engineering survey, Outlook magazine survey, EDU-RAND rank, NIFR endorse the soaring journey of the institute towards distinction. Importantly, National Institutional Ranking Framework (NIRF) MHRD, Government of India has listed VNIT, Nagpur as the Sixth best among thirty one NITs in India.

Annual Report 2016-17 is much more than mere compilation of facts and figures formulated for administrative purpose. The vision and passion of role players may perhaps be deciphered from the overview furnished herewith. The unrelenting zeal for academic excellence, research endeavors, social outreach programs as well as expanding national and international connections are the hallmarks of this report.

The faculty and students' fraternity has exhibited their talent not only in the academic pursuits but also through their societal concerns and consortiums. The institute is now committed for positive comprehensive growth that involves substantial contribution of VNITians on a uniform platform towards nation building.



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 position 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 21 PG courses apart from Ph.D. programs in the area of Engineering, Architecture and Science.

VNIT Nagpur has been ranked sixth, amongst all thirty one NIT's by National Institutional Ranking Framework (NIRF), MHRD, GOI.

Institute has been ranked by various ranking surveys 2017. The ranks are as follows :-

- i. 6th Best Engineering Institute as per i3RC Times Engineering Survey (First amongst all NIT's).
- ii. 18th Top Engineering College in India as per Outlook magazine Survey (Second amongst all NIT's)
- iii. 31st Best Engineering Institute as per Edurand Ranking Survey, (Second in Maharashtra State after IIF Mumbai)
- iv. 6th amongst all thirty one NIT's and 42nd in India as per National Institutional Ranking Framework (NIRF) for 2017 by Ministry of Human Resources Development, Govt. of India.

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 endeavor 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 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 (U.G.) Programs

The Institute offers UG programs in Architecture and 8 Engineering and Technology streams. The duration of UG courses in engineering and technology is 4 years and in Architecture is of 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 or 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) Programs

The Institute offers 18 PG programs in engineering and architecture and three in basic sciences. Graduate Aptitude Test in Engineering (GATE) qualified candidates are admitted to these programs based on the ranks obtained by the Centralized Counseling 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 which are filled on the basis of intense merit in the written test/interview conducted by the respective departments of the Institute. Apart from regular intake, Institute offers additional seats 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 postgraduate courses. Vacancies, if any, are filled through a test conducted by the Institute.

Doctoral (PhD) Programs

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

1.4 New initiatives

Felicitation of students who have done innovative projects at VNIT.

The B.Tech/B.Arch Students of VNIT Nagpur have done a few innovative projects in the Academic session 2016-17. These students were felicitated on 2nd March 2017. It was decided to have this as annual features of VNIT.

The brief details of these projects are given below:

- 1 Madhusudan Naik (ECE, final year B.Tech): Created a device to monitor a patient's saline level and wirelessly report the data back to the doctor on smart phone. The gadget has been tested in the hospital and ready for commercialization.
- 2 Omkar Zade (CSE, 3rd year B.Tech): Created a rich set of interactive, 3D simulations to aid students in learning Physics by doing virtual experiments. The virtual experiments will be extremely useful for the students who do not have the practical facilities. The interactive module developed also enables the students to take observations on computer and answer the questions which will improve his understanding.
- 3 Parag Khanna (MEC, final year): Developed an autonomous snake robot reconfigurable into a quad-copter. This device will be extremely useful for during accidents/disaster or earthquake in getting detail information about in accessible areas. This would also be very handy in defiance applications. This innovation has been sent to Rashtrapati Bhavan for the innovation exhibition.
- 4 Student Group of Architecture Department of our institute (Mr Abhay Agrawal, Mr Anurag Rathi, Ms Tejaswini Deshmukh, Ms Shhrruti Jain, Ms Aakansha Chandak) redeveloped a school project besides Deaf and Dumb school, Shankar Nagar and thrived to break the barrier between the abled and differently abled students with a user centric design. This project was a part of Swachh Bharat Abhiyan and students have used these scrapped materials in and around the school. This project got first prize in India in the contest organized by West Minister University UK.. Further, this group of students have been invited to present their project in West Minister University U.K. in July 2017

OVERVIEW

The Visvesvaraya National Institute of Technology, Nagpur which is now in its 57th 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.

Historical Background

Visvesvaraya National Institute of Technology, Nagpur is one of the thirty one National Institutes of Technology in the country. The Govt. of India 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. Subsequently, the Central Govt. 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 was brought into force from 15th August 2007.

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.

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.

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;

- i. Hostels for students
- ii. Academic area consisting of various central facilities
- iii. Residential Sector for faculty members and supporting staff
- iv. Sports Complex and 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 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.

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.

Academic Programs

The institute offers Undergraduate programs, Post Graduate and Doctoral research programme in Engineering, Architecture and Sciences disciplines. There are 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 eighteen Post Graduate courses offering M Tech degree and 3 Post Graduate programs offering M.Sc. degree are conducted. All the Engineering, Architecture as well as 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 Science Engineering	Metallurgical & Materials Science Engineering
8	Mining Engineering	Mining Engineering
	B Arch	
9	Architecture	Architecture

(b)	Post Graduate	
	M Tech	
1	Structural Dynamics and Earthquake Engineering	Applied Mechanics
2	Structural Engineering	Applied Mechanics
3	Urban Planning	Architecture
4	Chemical Engineering	Chemical Engineering
5	Environmental Engineering	Civil Engineering
6	Water Resources Engineering	Civil Engineering
7	Construction Technology & Management	Civil Engineering
8	Transportation Engineering	Civil Engineering
9	Computer Science & Engineering	Computer Science & Engineering
10	VLSI Design	Centre for VLSI and Nano Technology
11	Communication System Engineering	Electronics Engineering
12	Integrated Power System	Electrical Engineering
13	Power Electronics & Drives	Electrical Engineering
14	Industrial Engineering	Mechanical Engineering
15	Heat Power Engineering	Mechanical Engineering
16	CAD-CAM	Mechanical Engineering
17	Material Engineering	Metallurgical & Materials Science Engineering
18	Excavation Engineering	Mining Engineering
	M Sc	
1	Physics	Physics
2	Chemistry	Chemistry
3	Mathematics	Mathematics

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

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

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 2016-17, the centralized admission process was coordinated by MHRD constituted Central Seat Allocation Board (CSAB) HQ at NIT, Patna.

Post Graduate Programs: M Tech / M Sc

M Tech program seats are filled by GATE qualified candidates. In the year 2016-17, the seat allocation was done through Central Counseling for M Tech (CCMT) constituted by Govt. of India, Ministry of HRD HQ at NIT Rourkela. Reservation of seats is as per Govt. of India rules. M Sc program seats were filled by

JAM qualified candidates. In the year 2016-17, the seat allocation was done through Centralized Counseling for M Sc (CCMN) constituted by Govt. of India, Ministry of HRD HQ at NIT Rourkela. Reservation of seats is as per Govt. of India rules.

Ph.D. (Full Time) Program

There is no 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. Candidate of full time Ph.D. program are given teaching assistance ship as per norms. Candidate is required to undergo coursework as recommended by the department. Minimum duration for submission of thesis is 3 years for Ph.D. (Full Time) program. Institute also gives admission to candidates nominated under QIP scheme.

**Department at Glance
Summary Table**

S N	Name of Department	Journal Papers	Conference Papers	Patents		Consultancy (In Lakhs)	Seminar Organized	Books Authored	R & D Projects (In Lakhs)
				Filed	Issued				
1.	Applied Mechanics	17	25	03	--	387.77	04	--	360.81
2.	Architecture & Planning	12	04	--	--	--	02	01	154.00
3.	Chemistry	38	03	01	--	--	04	03	126.77
4.	Chemical Engg.	80	16	03	03	--	09	02	357.03
5.	Civil Engg.	48	41	--	02	134.72	04	02	392.21
6.	Computer Science & Engg.	12	13	01	--	1.71	05	01	734.12
7.	Electrical Engg.	60	49	04	07	12.28	24	01	257.53
8.	Electronics and Communication Engg.	31	31	08	--	--	06	--	781.57
9.	VLSI & Nanotechnology	16	04	--	--	0.10	03	--	462.00
10.	Humanities and Social Sciences	07	15	--	--	--	04	02	--
11.	Mathematics	33	01	--	--	--	01	--	70.09
12.	Mechanical Engg.	42	54	21	14	6.121	20	02	1778.94
13.	Metallurgical & Materials Engg.	46	15	02	01	0.05	03	01	308.76
14.	Mining Engg.	05	10	--	--	47.62	03	--	39.25
15.	Physics	27	--	--	--	--	--	--	168.30
	Total	474	281	43	27	590.371	92	15	5991.38



BoG, Senate & Various Committees

2.1 BOARD OF GOVERNORS

Sr. No.	NAME	DESIGNATION
1.	Mr. Vishram Jamdar, Industrialist, Kinetic Gears E-19/1, MIDC Area, Hingna Road, NAGPUR – 440 028	Chairman
2.	Shri S.P.Goyal, Joint Secretary, Department of Higher Education, Ministry of HRD, Govt. of India, "C" Wing, Shastri Bhavan, NEW DELHI – 110 115	Member
3.	Jt. Secretary & Financial Adviser (HRD), Ministry of HRD, Deptt. of Higher Education (IFD), 118-C, Shastri Bhavan, NEW DELHI – 110 115	Member
4.	Shri Sanjeev Sharma, Director NITs, MHRD, NEW DELHI – 110 115	Member
5.	Shri Ashok Maheshwari, Director(Finance), Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI – 110 115	Member
6.	Prof. (Ms.) Joyashree Roy, Professor, Department of Economics, Jadavpur University, Kolkata, 11, Central Park, KOLKATA – 700 032	Member
7.	Prof. S. C. Sahasrabudhe, Director, Dhirubhai Ambani Institute of Information & Communication Technology, Gandhinagar, Near Indroda Circle, GANDHINAGAR – 382 007	Member
8.	Prof. H S Pandalai, Deptt. of Earth Science, Indian Institute of Technology, Powai, MUMBAI – 400 076	Member
9.	Dr. A G Keskar, Professor, Department of Electronics, VNIT, NAGPUR	Member
10.	Dr.J.D.Ekhe, Associate Professor, Department of Chemistry, VNIT, NAGPUR.	Member
11.	Dr. Narendra S. Chaudhari, Director, VNIT, NAGPUR	Member
12.	Dr. S R Sathe Registrar, V.N.I.T., NAGPUR	Member-Secretary



VNIT Administration 2016-17

Chairman BOG



Vishram Jamdar

Director



Dr. Narendra Choudhari

Registrar



Dr. S.R. Sathe

DEANS



Dr. V.K. Deshpande



Dr. P.M. Padole



Dr. Animesh Chatterjee



Dr. R.R. Yerpude



Dr. V.B. Borghate

ASSOCIATE DEANS



Dr. P.S. Kulkarni
(Exam)



Dr. S.V. Bakre
(Store & Proc.)



Dr. P. Chakravarti
(Student Activities)



Dr. V.R. Kalamkar
(Industry Inst. Interaction)



Dr. V.S. Kale
(Electrical Work)



Dr. Jatin Bhat
(Training & Placement)



Dr. Yogesh Deshpande
(Public Relation)



Dr. K.D. Kulat
(Edu. Tech. & Lib.)



Dr. M.P. Kurhekar
(IT, Mis. Network Website)



Dr. B.S. Umre
(Hostel Affairs)



Dr. Anirban Mondal
(Civil Works)



Dr. K. M. Bhurchandi
(International Affairs)

2.2. FINANCE COMMITTEE

Sr. No.	NAME	DESIGNATION
1.	Mr. Vishram J amdar Industrialist, Kinetic Gears E-19/1, MIDC Area, Hingna Road, NAGPUR – 440 028	Chairman
2.	Shri S.P.Goyal Joint Secretary, Department of Higher Education, Ministry of HRD, Govt. of India, "C" Wing, Shastri Bhavan, NEW DELHI – 110 115	Member
3.	Jt. Secretary & Financial Adviser (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 Ashok Maheshwari, Director(Finance), 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. H S Pandalai, Deptt. of Earth Science, Indian Institute of Technology, Powai, MUMBAI – 400 076	Member
8.	Dr. Narendra S. Chaudhari Director, VNIT, NAGPUR	Member
9.	Dr. S. R. Sathe Registrar, V.N.I.T., NAGPUR	Member-Secretary

2.3 BUILDING AND WORKS COMMITTEE

Sr. No.	NAME	DESIGNATION
1.	Dr. Narendra S. Chaudhari Director, VNIT, Nagpur	Chairman
2.	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 Ashok Maheshwari, Director(Finance), 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. R. R. Yerpude Dean (P & D) , V.N.I.T., Nagpur	Member
7.	Chief Engineer, (Civil) Public Works Department (PWD) Bandhkam Sankul, B.No.39/I, Civil Lines, NAGPUR – 440001 Mr.Rathi, Asstt. Chief Engineer	Member
8.	Chief Engineer (Electrical) Public Works Department, Bandhkam Sankul, B.No.39/I, Civil Lines, NAGPUR – 440001	Member
9.	Dr. S. R. Sathe Registrar, V.N.I.T., Nagpur	Member-Secretary

2.4 SENATE MEMBERS

Sr. No.	NAME	DESIGNATION
1	Dr. Narendra S. Chaudhari, Director, VNIT, Nagpur	Chairman
2	Prof Ajit Kulkarni, Professor, Material Science and Metallurgical Engg. Dept, IIT Powai, MUMBAI – 400076	Member
3	Prof Y.N. Reddy Professor, Department of Mathematics Registrar I/c National Institute of Technology WARANGAL- 506 004, INDIA	Member
4	Prof(Mrs)Sneha Deshpande, Professor and Head Economics Department, RTM Nagpur University, Nagpur	Member
5	Dr. V. K. Deshpande Dean (Academic), VNIT, Nagpur	Member
6	Dr. P. M. Padole Dean (Faculty Welfare), VNIT, Nagpur	Member
7	Dr. Rajendra R. Yerpude Dean (Planning & Development), VNIT, Nagpur	Member
8	Dr. V. B. Borghate Dean (Students Welfare), VNIT, Nagpur	Member
9	Dr. Animesh Chatterjee Dean (Research & Consultancy), VNIT, Nagpur	Member
10	Dr. G. P. Singh Head, Mathematics Department VNIT, Nagpur	Member
11	Dr. R. K. Ingle Head, Applied Mechanics Department, VNIT, Nagpur	Member
12	Dr. Dr. V. S. Adane, Head, Dept. of Architecture, VNIT, Nagpur	Member
13	Dr. J. D. Ekhe, Head, Chemistry Department, VNIT, Nagpur	Member
14	Dr. Ashish Chaurasia Head, Dept. of Chemical Engg., VNIT, Nagpur	Member
15	Dr. B . R. Sankapal Head, Dept. of Physics, VNIT, Nagpur	Member
16	Dr. U.A. Deshpande, Head, Dept. of Computer Sci. & Engg., VNIT, Nagpur	Member
17	Dr. (Ms) M. Ghosal Head, Dept. of Humanities, VNIT, Nagpur	Member
18	Dr. A. M. Kuthe, Head, Dept. of Mechanical Engg., VNIT, Nagpur	Member
19	Dr. M.K.Khedkar, Head, Dept. of Electrical Engg., VNIT, Nagpur	Member
20	Dr. Dilip R. Peshwe, Head, Dept. of Metallurgical & Materials Engg., VNIT, Nagpur	Member
21	Dr. I. L. Muthreja, Head, Dept. of Mining Engg., VNIT, Nagpur	Member

Sr. No.	NAME	DESIGNATION
22	Dr. A. D. Ghare Head, Department of Civil Engg., VNIT Nagpur	Member
23	Dr. Rajendra M. Patrikar Head, Centre for VLSI and Nanotechnology, VNIT, Nagpur	Member
24	Dr. Abhay S. Gandhi Head, Dept. of Electronics & Communication Engineering, VNIT, Nagpur	Member
25	Dr. A. R. Tembhurkar, Professor, Dept. of Civil Engg., VNIT, Nagpur	Member
26	Dr. O. R. Jaiswal Professor of Applied Mechanics, VNIT, Nagpur	Member
27	Dr. S. S. Umare, Professor, Chemistry Department, VNIT, Nagpur	Member
28	Dr. V. A. Mhaisalkar, Professor of Civil Engineering, VNIT, Nagpur	Member
29	Dr. L. M. Gupta, Professor of Applied Mechanics, VNIT, Nagpur.	Member
30	Dr. Avinash G. Keskar, Professor of Electronics & Communication Engg., VNIT, Nagpur	Member
31	Dr. (Mrs.) Alpana Dongre, Professor of Architecture, VNIT, Nagpur	Member
32	Dr. M. V. Aware, Professor of Electrical Engg., VNIT, Nagpur	Member
33	Dr. R. B. Deshmukh, Professor, Centre for VLSI and Nanotechnology, VNIT, Nagpur	Member
34	Dr. G. N. Ronghe, Professor of Applied Mechanics, VNIT, Nagpur	Member
35	Dr. M. M. Mahajan, Professor of Applied Mechanics, VNIT, Nagpur	Member
36	Dr. N. R. Thote, Professor of Mining Engg., VNIT, Nagpur	Member
37	Dr. Shashikant B. Thombre, Professor of Mechanical Engg., VNIT, Nagpur	Member
38	Dr. H. M. Suryawanshi, Professor of Electrical Engg., VNIT, Nagpur	Member
39	Dr. Rajesh Gupta, Professor of Civil Engg., VNIT, Nagpur	Member
40	Dr. S. G. Sapate, Professor of Metallurgical & Materials Engg., VNIT, Nagpur	Member
41	Dr. Y. B. Katpatal, Professor of Civil Engg., VNIT, Nagpur	Member
42	Dr. A. P. Patil, Professor of Metallurgical & Materials Engg., VNIT, Nagpur	Member

Sr. No.	NAME	DESIGNATION
43	Dr H T Thorat Professor of Mechanical Engg., VNIT, Nagpur	Member
44	Dr. Kishore M. Bhurchundi, Associate Dean (International Affairs) VNIT, Nagpur	Invited Member
45	Dr. K. D. Kulat, Associate Dean (Educ. Tech & Library), VNIT, Nagpur	Invited Member
46	Dr. Manish Kurhekar, Associate Dean (MIS Network & Website), VNIT, Nagpur	Invited Member
47	Dr. Vijay Kale, Associate Dean (Electrical Works), VNIT, Nagpur	Invited Member
48	Dr. Yogesh M. Deshpande Associate Dean (PR), VNIT, Nagpur	Invited Member
49	Dr. P. S. Kulkarni, Associate Dean (Exams), VNIT, Nagpur	Invited Member
50	Dr. Anirban Mandal, Associate Dean (Civil Works), VNIT, Nagpur	Invited Member
51	Dr. Jatin Bhatt, Associate Dean (T&P), VNIT, Nagpur	Invited Member
52	Dr. Sachin Bakre, Associate Dean (Procurement and Stores), VNIT, Nagpur	Invited Member
53	Dr. P. P. Chakravarthy, Associate Dean (Students Activities and Sports), VNIT, Nagpur	Invited Member
54	Dr. B. S. Umre, Associate Dean (Hostel Affairs), VNIT, Nagpur	Invited Member
55	Dr. Vilas Kalamkar Associate Dean (III Cell & Alumni Activities), VNIT, Nagpur	Invited Member
56	Dr. Shailesh R. Sathe, Registrar, VNIT, Nagpur.	Member-Secretary

SPECIAL INVITIES

Sr. No.	NAME	DESIGNATION
1	Shri. D. M. Parate	Dy. Registrar ACD
2	Shri. K. N. Dakhale	Dy. Registrar Stores / Exam
3	Smt. A. A. Ansingkar	Asst. Reg. Exam

STUDENT REPRESENTATIVES

Sr. No.	NAME	DESIGNATION
1	Vatsal Ramesh Gosar	UG Acd Affairs Secretary
2	Sachin Mansharmani	PG Acd Affairs Secretary

2.5 NIT COUNCIL
UNDER THE CHAIRPERSONSHIP OF HON'BLE HRM

Sr. No.	NAME & DESIGNATION
1.	SHRI. VINAY SHEEL OBEROI , Secretary (Higher Education) Ministry of Human Resource Development Vice - Chairman, Council of NITs
2.	SHRI. R. SUBRAHMANYAM , Additional Secretary (TE) Department of Higher Education, Ministry of Human Resource Development Member- Secretary, Council of NITs
3.	SHRI SANJAY DHOTRE , Member of Parliament, Lok Sabha
4.	PROF. ANIL DATTATRAYA SAHASRABUDHE , Chairman All India Council for Technical Education, New Delhi
5.	PROF. D.B. PHATAK , Chairperson, Board of Governors National Institute of Technology, Agartala
6.	DR. VIJAY THADANI , Chairperson, Board of Governors Motilal Nehru National Institute of Technology, Allahabad
7.	PROF. (MRS.) GEETHA BALI , Chairperson, Board of Governors Maulana Azad National Institute of Technology, Bhopal
8.	PROF. AMLENDU BHATTACHARYYA , Chairperson, Board of Governors National Institute of Technology, Durgapur
9.	SHRI VISHRAM JAMDAR , Chairperson, Board of Governors Visvesvaraya National Institute of Technology, Nagpur
10.	DR. M.J. ZARABI , Chairperson, Board of Governors National Institute of Technology, Srinagar
11.	MRS. KUMUD SRINIVASAN , Chairperson, Board of Governors National Institute of Technology, Tiruchirappalli
12.	DR. GAGAN PRATHAP , Chairperson, Board of Governors National Institute of Technology, Arunachal Pradesh
13.	SHRI R. SANTHANAM , Chairperson, Board of Governors National Institute of Technology, Delhi
14.	PROF. D.K. BASU , Chairperson, Board of Governors National Institute of Technology, Meghalaya
15.	DR. GOPAL MUGERAYA , Director National Institute of Technology, Agartala
16.	PROF. PARTHASARTHI CHAKRABORTI , Director Motilal Nehru National Institute of Technology, Allahabad
17.	DR. SIVAJI CHAKRAVORTI , Director National Institute of Technology, Calicut
18.	PROF. TARKESHWAR KUMAR , Director National Institute of Technology, Durgapur
19.	Director, NIT - Hamirpur represented by Dr. A.S. Singha , Registrar, NIT Hamirpur
20.	PROF. I.K. BHAT , Director Malaviya National Institute of Technology, Jaipur And Director (I/C), Dr. B.R. Ambedkar NIT, Jalandhar
21.	PROF. RAMBABU KODALI , Director National Institute of Technology, Jamshedpur
22.	DR. ANAND MOHAN , Director National Institute of Technology, Kurukshetra
23.	DR. N.S. CHAUDHARI , Director Visvesvaraya National Institute of Technology, Nagpur

Sr. No.	NAME & DESIGNATION
24.	PROF. ASOK DE , Director National Institute of Technology, Patna
25.	DR. SUDARSHAN TIWARI , Director National Institute of Technology, Raipur
26.	PROF. SUNIL KUMAR SARANGI , Director National Institute of Technology, Rourkela
27.	DR. N.V. DESHPANDE , Director National Institute of Technology, Silchar
28.	PROF. RAJAT GUPTA , Director National Institute of Technology, Srinagar
29.	Director, SVNIT - Surat represented by Prof. D-C. Jinwala , Dean (R&C), SVNIT-Surat
30.	PROF. SVVAPAN BHATTACHARYA , Director National Institute of Technology Karnataka, Surathkal
31.	DR. S. SUNDARRAJAN , Director National Institute of Technology, Tiruchirappalli
32.	PROF. T. SRINIVASA RAO , Director National Institute of Technology, Warangal
33.	DR. C.T. BHUNIA , Director National Institute of Technology, Arunachal Pradesh
34.	DR. AJAY K. SHARIMA , Director National Institute of Technology, Delhi
35.	DR. G.R.C. REDDY , Director National Institute of Technology, Goa
36.	DR. S. BIRENDRA SINGH , Director National Institute of Technology, Manipur
37.	PROF. DILIP KUIVIAR SAIKIA , Director National Institute of Technology, Meghalaya
38.	PROF. U.C. RAY , Director National Institute of Technology, Mizoram
39.	DR. V. RAIVIACHANDRAN , Director National Institute of Technology, Nagaland
40.	DR. (MRS.) S.K. PANDEY , Director National Institute of Technology, Puducherry
41.	DR. A.B. SAMADDAR , Director National Institute of Technology, Sikkim
42.	PROF. H.T. THORAT , Director National Institute of Technology, Uttarakhand
43.	PROF. T.V. RANIAKRISHNAN , Chairperson, Board of Governors Indian Institute Science Education and Research, Pune
44.	PROF. R.N. MUKHERJEE , Director Indian Institute Science Education and Research, Kolkata
45.	PROF. K.N. GANESH , Director Indian Institute Science Education and Research, Pune
46.	PROF. N. SATHYAMURTHY , Director Indian Institute Science Education and Research, Mohali
47.	PROF. VINOD KUMAR SINGH , Director Indian Institute Science Education and Research, Bhopal
48.	PROF. V. RAMAKRISHNAN , Director Indian Institute Science Education and Research, Thiruvananthapuram
49.	PROF. AJOY KUMAR RAY , Director Indian Institute Engineering Science and Technology, Shibpur

2.6 STORES PURCHASE COMMITTEE

Sr. No.	NAME	DESIGNATION
1	Dr. Rajendra R. Yerpude Dean (P&D) VNIT, Nagpur	Chairman
2	Dr. Animesh K. Chatterjee Dean (R&C) VNIT, Nagpur	Member
3	Dr. Shailesh R. Sathe Registrar VNIT Nagpur	Member
4	Dr. Sachin V. Bakre Assoc. Dean (P&S) VNIT Nagpur	Member
5	Dr. Abhay M. Kuthe HoD Mechanical Engg VNIT, Nagpur	Member
6	Shri. V. K. Sinha Director, NPTI, Nagpur	Member
7	Shri. Kailas N. Dakhale , I/c. Registrar, IIIT Nagpur.	Member-Secretary

2.7 GRIEVANCE COMMITTEE

Sr. No.	NAME	DESIGNATION
1.	Dr. G. N. Ronghe , Professor in Structural Engineering (Nominated by the Director VNIT)	Chairman
2.	Dr. Anjan Patel , Asst. Prof. in Civil Engineering Deptt. (Teacher's Representative)	Member
3.	Shri. Ashok Thakur , Sr. Assistant (President, Non-Teaching Employees Union)	Member (Ex-Officio)
4.	Nominee of the Director , NEERI, Nagpur	Member
5.	Pro.V.S.Kapse , Asso. Professor, Architecture and Planning Deptt. (Liaison Officer(SC/ST))	Member (Ex-Officio)
6.	Dr. N. R. Thote , Professor, Deptt. of Mining Engg., (Nominated by the Director VNIT)	Member-Secretary



Academic Programs

3. 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. 18 M Tech and 3 M Sc programs, and Doctoral research programs in Engineering & Sciences, Humanities discipline are offered.

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
18	Chemical Engineering	Chemical Engineering
(c)	M Sc	
1	Physics	Physics
2	Chemistry	Chemistry
3	Mathematics	Mathematics
(d)	Ph. D. (Full / Part Time)	All Engineering, Applied Sciences and Humanities department

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. In the year 2016-17, the centralized admission process was coordinated by **NIT, Patna** through **JoSAA 2016**.

Post Graduate Programs: M Tech / M Sc

M Tech program seats are filled by GATE qualified candidates through centralized admission process conducted by the committee constituted by Govt. of India, Ministry of HRD. In the year 2016-17, the centralized admission process was coordinated by **NIT Surathkal** through **CCMT 2016** [Central Counseling for M Tech]. Students are given GATE Scholarship as per GOI, MHRD norms.

M Sc program seats are filled by JAM qualified candidates through centralized admission process conducted by the committee constituted by Govt. of India, Ministry of HRD. In the year 2016-17, the centralized admission process was coordinated by **NIT Rourkela** through **CCMN 2016** [Centralized Counseling for M Sc].

Ph D Program

There is no seats intake in Ph D program. Admission is given through institute advertisement. Candidates are selected through written test and interview conducted at the respective department. Students are given Teaching Assistanceship / Fellowship as per GOI, MHRD norms. Institute also admits candidates nominated under QIP scheme.

3.4 Students

In the year 2016-17, 705 students (477 Male/ 228 Female) were admitted in B Tech/B Arch programs, 327 (267 Male /60 Female) in M Tech programs, 54 (35 Male & 19 Female) in M Sc programs, 48 (38 Male / 10 Female) in Ph D program.

3.5 Examination and Evaluation

All UG and PG programs are run on semester basis. Students are required to register courses every semester examination. Courses are categorized as core, elective open and humanities courses. Course evaluation mainly includes two sessional tests, end-semester examination and any other assessment. Course evaluation for laboratory courses is done on continuous basis through quizzes, assignments, seminars etc. Evaluation pattern is relative credit point based grading system on a ten-point scale and grades are awarded on assessment. There is no provision for improvement of grade by re-registering in the course. Students are required to re-register in to course/s in which he /she obtain FF (fail grade) in the subsequent semester. Student performance is indicated by CGPA (Cumulative Grade Point Average) and are not awarded any division/percentage. Student is eligible for the award of degree after completion of various requirement set by the institute in terms of credits, CGPA, and type of courses completed.

Academic rule book is made available to all the students and is available on website of the institute. Academic Peer Review of each academic program is being done with the help of faculty members of IITs, IISc, SPA etc. The suggestions received under this review program are implemented through respective Board of studies. Formal accreditation of various academic programs is being done with National Board of Accreditation (NBA). Five B.Tech and Five M.Tech program are already accredited.

3.6 Duration of Programs

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	-,-,-
18	Chemical Engineering	-,-,-
(c)	M. Sc.	
1	M Sc Chemistry	-,-,-
2	M Sc Mathematics	-,-,-
3	M Sc Physics	-,-,-
(d)	Ph. D. (Full time)	3 years

3.7 Program-wise Enrolment

3.7 (A) As per Gender:

SN	Program Code	Male	Female	Total
B Tech / B Arch Program				
1	Architecture	162	168	330
2	Chemical Engineering	251	104	355
3	Civil Engineering	270	105	375
4	Computer Science Engineering	232	155	387
5	Electronics and Communication Engineering	205	178	383
6	Electrical and Electronics Engineering	234	145	379
7	Mechanical Engineering	377	20	397
8	Metallurgical and Materials Engineering	239	90	329
9	Mining Engineering	138	6	144
	Total (A)	2108	971	3079
M .Tech .Program				
1	Chemical Engineering	19	8	27
2	Construction Technology & Management	36	2	38
3	Environmental Engineering	29	15	44
4	Transportation Engineering	29	9	38
5	Water Resources Engineering	24	10	34
6	Computer Science Engineering	20	25	45
7	Integrated Power System	33	9	42
8	Power Electronics & Drives	27	10	37
9	Communication System Engineering	29	17	46
10	VLSI Design	25	15	40
11	CAD-CAM	39	4	43
12	Heat Power Engineering	42	0	42
13	Industrial Engineering	42	2	44
14	Material Engineering	29	0	29
15	Structural Dynamics and Earthquake Engineering	30	6	36
16	Structural Engineering	37	4	41
17	Urban Planning	22	11	33
18	Excavation Engineering	19	3	22
	Total (B)	531	150	681
M Sc Program				
1	M Sc Chemistry	20	10	30
2	M Sc Mathematics	18	15	33
3	M Sc Physics	23	10	33
	Total (C)	61	35	96
	Ph D (D)	301	94	395
	Total (A+B+C+D)	3001	1250	4251

3.7(B) As per Category:

B Tech / B Arch Program

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	55	41	96	69	86	155	19	20	39	11	7	18	8	14	22	162	168	330
2	Chemical Engineering	74	25	99	115	47	162	37	13	50	15	12	27	10	7	17	251	104	355
3	Civil Engineering	72	32	104	129	45	174	40	15	55	20	6	26	9	7	16	270	105	375
4	Computer Science Engineering	73	29	102	99	89	188	30	18	48	17	8	25	13	11	24	232	155	387
5	Electronics and Communication Engineering	53	40	93	100	91	191	24	30	54	14	10	24	14	7	21	205	178	383
6	Electrical and Electronics Engineering	76	31	107	90	81	171	32	24	56	18	4	22	18	5	23	234	145	379
7	Mechanical Engineering	115	5	120	171	10	181	42	4	46	22	1	23	27	0	27	377	20	397
8	Metallurgical and Materials Engineering	71	25	96	116	48	164	39	10	49	13	6	19	0	1	1	239	90	329
9	Mining Engineering	48	1	49	52	4	56	25	1	26	12	0	12	1	0	1	138	6	144
Total		637	229	866	941	501	1442	288	135	423	142	54	196	100	52	152	2108	971	3079

M. Tech Program

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	6	6	12	16	7	23	6	2	8	1	0	1	29	15	44
2	Water Resources Engineering	11	4	15	7	6	13	5	0	5	1	0	1	24	10	34
3	Construction Technology & Management	11	0	11	18	2	20	5	0	5	2	0	2	36	2	38
4	Transportation Engineering	9	5	14	12	3	15	5	1	6	3	0	3	29	9	38
5	VLSI Design	8	5	13	11	6	17	4	4	8	2	0	2	25	15	40
6	Communication System Engineering	11	5	16	10	3	13	7	8	15	1	1	2	29	17	46
7	Computer Science Engineering	11	7	18	5	12	17	2	5	7	2	1	3	20	25	45
8	Industrial Engineering	17	0	17	17	1	18	6	1	7	2	0	2	42	2	44
9	Heat Power Engineering	15	0	15	14	0	14	9	0	9	4	0	4	42	0	42
10	CAD-CAM	19	2	21	16	0	16	3	2	5	1	0	1	39	4	43
11	Integrated Power System	11	4	15	12	5	17	6	0	6	4	0	4	33	9	42
12	Power Electronics & Drives	7	4	11	17	2	19	3	2	5	0	2	2	27	10	37
13	Materials Engineering	10	0	10	13	0	13	6	0	6	0	0	0	29	0	29
14	Structural Dynamics and Earthquake Engineering	12	2	14	14	4	18	3	0	3	1	0	1	30	6	36
15	Structural Engineering	13	1	14	17	2	19	4	1	5	3	0	3	37	4	41
16	Urban Planning	6	1	7	13	5	18	1	5	6	2	0	2	22	11	33
17	Excavation Engineering	5	0	5	10	3	13	3	0	3	1	0	1	19	3	22
18	Chemical Engineering	5	2	7	11	4	15	3	2	5	0	0	0	19	8	27
Total		187	48	235	233	65	298	81	33	114	30	4	34	531	150	681

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	8	1	9	7	7	14	4	2	6	1	0	1	20	10	30
2	M Sc Mathematics	7	5	12	10	7	17	1	2	3	0	1	1	18	15	33
3	M Sc Physics	8	3	11	12	6	18	3	0	3	0	1	1	23	10	33
Total		23	9	32	29	20	49	8	4	12	1	2	3	61	35	96

3.8 Admission statistics (new admissions) during 2016-17

B Arch/B Tech

S N	Program Name	Intake	Admitted [JEE]	Admitted [DASA/MEA]	Total	M	F
1	Architecture	62	54	7	61	27	34
2	Chemical Engineering	92	78	6	84	61	23
3	Civil Engineering	92	86	2	88	60	28
4	Computer Science Engineering	92	89	7	96	65	31
5	Electronics and Communication Engineering	92	85	6	91	50	41
6	Electrical and Electronics Engineering	92	83	4	87	44	43
7	Mechanical Engineering	92	84	7	91	84	7
8	Metallurgical and Materials Engineering	92	81	0	81	61	20
9	Mining Engineering	40	25	1	26	25	1
Total		746	665	40	705	477	228

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

M Tech

S N	Program Name	Intake	Admitted	M	F
1	Environmental Engineering	20	21	16	5
2	Water Resources Engineering	20	16	12	4
3	Construction Technology & Management	20	19	18	1
4	Transportation Engineering	20	18	15	3
5	VLSI Design	20	20	12	8
6	Communication System Engineering	20	23	18	5
7	Computer Science Engineering	20	23	11	12
8	Industrial Engineering	20	18	18	0
9	Heat Power Engineering	20	21	21	0
10	CAD-CAM	20	22	20	2
11	Integrated Power System	20	20	18	2
12	Power Electronics & Drives	20	20	17	3
13	Materials Engineering	20	12	12	0
14	Structural Dynamics and Earthquake Engineering	20	17	15	2
15	Structural Engineering	20	20	17	3
16	Urban Planning	20	14	8	6
17	Excavation Engineering	20	12	11	1
18	Chemical Engineering	20	11	8	3
Total		360	327	267	60

In few branches, Seats admitted under Sponsored category/Three years M Tech/TEQUIP are over & above intake

M Sc

S N	Program Name	Intake	Admitted	M	F
1	M Sc Physics	20	19	13	6
2	M Sc Chemistry	20	17	11	6
3	M Sc Mathematics	20	18	11	7
	Total	60	54	35	19

Ph D

1	Ph D	-	48	38	10
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3.9 Break-up of Seats:

Category	Intake	Admitted
B Arch/B Tech program		
OB	201	186
OP	377	324
SC	112	103
ST	56	52
Total	746	665
M Tech program		
OB	97	90
OP	182	176
SC	54	47
ST	27	14
Total	360	327
M Sc program		
OB	16	16
OP	31	30
SC	9	8
ST	4	0
Total	60	54

3.10 Student's Total Strength

Program	No of Students
B Arch/B Tech	3079
M Tech	681
M Sc	96
Ph. D.	395
Total	4251

3.11 Scholarships and Funding Agency

The Students of UG, PG Ph D program are given the various scholarship/free ship as per the provisions of respective schemes. The various scholarships available for UG students are Post Matric Scholarship for SC, ST, OBC students, Scholarship for Minority students, New Central Sector Scholarship under Top Class Education scheme for SC/ST students, New Central sector Scholarship for University & College Students etc. The students of M Tech program receives GATE scholarship. The students of Full Time Ph D program receives teaching assistance ship as per GoI MHRD norms.

3.12 Concessions for SC, ST and PWD (Person with Disability)

The SC/ST/PwD students admitted in 2016-17 are having full waiver in tuition fee as per GoI, MHRD directives. The student (AY 2016-17) whose parental income is less than One Lac are given full fee (Tuition Fee) remission and parental income is between One to Five Lac are given 2/3rd fee remission as per GoI, MHRD directives.

14th Convocation

15th September 2016



**Smt. Chandrani Prasad Verma First woman in
India awarded Ph.D. in Mining Engineering**





14th (Fourteenth) Convocation

4. 14th CONVOCATION

4.1 General Information

Student excelling in final studies / Topper students (Securing Highest CGPA/Marks) in each programs are given **Academic Excellence Award / Prize / Medals** in the Annual convocation of the Institute. Institute's 14th Convocation of year 2016-17 was held on 15th September, 2016. The list of students who were given Awards/Medals/Prizes in the 14th Convocation is given below. In addition, Institute also award students who excels in studies at pre-final year / semester and the prizes were given on 26th January, 2017 based on performance in Summer-2016 examination.

4.2(A) B Tech/ B Arch Program - Academic Excellence Award / Medals / Prizes for Securing Highest CGPA branch wise in 14th Convocation

SrNo.	Student Name	Branch	CGPA/ SGPA/ Marks	Award
1	SHAIKH MOHAMMED DANISH	B Tech in Computer Science Engg	9.88	For Highest CGPA amongst all disciplines of B Tech program Sir Visvesvaraya Medal Late Shri N.G. Joshi Prize Late Dr. A.G. Paithankar Medal Late Mahamahopadhyay Padmavibhushan Dr. V.V. Mirashi Medal For Highest CGPA B Tech Computer Science Engg program Academic Excellence Prize Late Shri Parag Tijare First Prize
2	KATKAR VENKTESH VIDYADHAR	B Tech in Chemical Engg	9.71	Academic Excellence Prize Institute Medal
3	MANAQIBWALA IDRIS MUSTAFA	B Tech in Civil Engg	9.65	Academic Excellence Prize Institute Medal Watwe Education Trust Prize Late Shri Vishnu Diwakar Alias Bhausahab Gijre Prize P.J. Sahastrabudhe Memorial Prize Late Shri C.T. Gharpure Prize Late Prof. M.S. Joshi Medal Late Amol Krishnarao Kawadakar Medal Late Shri Sadik Vali Medal

SrNo.	Student Name	Branch	CGPA/ SGPA/ Marks	Award
4	ROLI GUPTA	Highest Marks in Water Distribution Systems (CEL414)	97	Late Shri P.R.Bhave Prize
5	MONIKA AHERWAR	Highest CGPA amongst Girls from SC/ST category in B Tech Civil Engg. Program [If not available in this criteria then SC/ST category Girl Student from all B Tech program]	7.48	Late Ms. Pratibha Bujade Medal (SC)
6	KANDURI SAI BHARADWAJ	B Tech Computer Science Engg. [Second Topper]	8.98	Late Shri Parag Tijare Second Prize
7	CHANDRAGIRI VISHNUVARDHAN REDDY	B Tech Electrical & Electronics Engg	9.52	Academic Excellence Prize Institute Medal Late Shri L. J. Sane Prize Watwe Education Trust Prize
8	HONEY GUPTA	B Tech Electronics & Communication Engg.	9.47	Academic Excellence Prize Institute Medal Akhilesh Gedam Memorial Prize Ms. Madhur Dahake Medal [for Girl Student]
9	GAURAV SUSHIL HIRANI	B Tech Mechanical Engg.	9.46	Academic Excellence Prize Institute Medal Watwe Education Trust Prize Shri Hemant Karkare Prize Late Smt. Shalini Pangarkar Prize Late Dr. V.N. Joshi Prize
10	WAYKOLE MANISH KISHOR	B Tech Mechanical Engg. [Amongst Students from OBC category]	9.12	Late Shri J.M. Gawande Prize
11	AMISH KUMAR	B Tech Mining Engg.	9.37	Academic Excellence Prize Institute Medal Shri Prashant Palamkar Memorial Prize Late Shri A. H. Reddy Prize Dr Suresh C. Singhal Medal [Highest Score in course Mine Planning]

SrNo.	Student Name	Branch	CGPA/ SGPA/ Marks	Award
12	AMZAD ALI GESAWAT	B Tech Metallurgy & Materials Engg.	9.22	Academic Excellence Prize Institute Medal Late Dr. M.K. Joshi Prize
13	NIVEDITA MEHROTRA	B Arch	9.47	Academic Excellence Prize Institute Medal Prof. S. D. Adane Medal Late Dr. V. M. Pangarkar Prize Late Arch Pradip Vishanji Thacker Medal
14	SHWETA MURLIKRISHNAN	Highest YGPA by Girl Student [Final year B. Arch - Part II]	9.27	Poornima Prize
15	SURABHI SHAKKARWAR	B Arch [Second Topper]	9.41	Late Arch Pradip Vishanji Thacker Medal

4.2(B) : B Tech/B Arch Program - Academic Excellence Award for Securing Second Highest CGPA

SrNo.	Branch	Student Name	CGPA
1	B Tech Chemical Engg	KESKAR MAYURESH DHANANJAY	9.14
2	B Tech Civil Engg	GARLAPAD VAMSHI	9.20
3	B Tech Computer Science Engg	KANDURI SAI BHARADWAJ	8.98
4	B Tech Electrical & Electronics Engg	AKKATI ARCHITHA	9.38
5	B Tech Electronics & Communication Engg	ASHWINI POHEKAR	9.26
6	B Tech Mechanical Engg	TUMMALA NAGENDRA NATH	9.36
7	B Tech Mining Engg	PRINCE KUMAR	9.29
8	B Tech Metallurgical & Materials Engg	RADHIKA WAZALWAR	8.9
9	B Arch	SURABHI SHAKKARWAR	9.41

4.2 (C) M Sc Program - Academic Excellence Award / Medals for Highest CGPA

SrNo.	Branch	Student Name	CGPA
1	M Sc Chemistry	SOHAM MUKHERJEE	9.19
2	M Sc Mathematics	DEEPIKA RAJKUMAR GOLECHHA	9.65
3	M Sc Physics	BISEN OMESHWARI YADORAO	9.30

4.2 (D) M Tech Program - Academic Excellence Award / Medals / Prizes for Highest CGPA

SrNo.	Branch	Student Name	CGPA	Award
1	M Tech Structural Dynamics & Earthquake Engg. Program	RAHUL M	9.19	Academic Excellence Prize Institute Medal
2	M Tech Structural Engg. Program	LEKKALA VENKATA	8.96	Academic Excellence Prize Institute Medal Dr. S.S. Kulkarni Prize
3	M Tech Construction Technology & Management Program	venu GOPAL REDDY N	9.83	Academic Excellence Prize Institute Medal
4	M Tech Environmental Engg. Program	TANUSHREE PARSAI	9.92	Academic Excellence Prize Institute Medal Shri Bhide Memorial Prize Purna Award – I
5	M Tech Environmental Engg. Program (Second Highest)	ARYA M S	9.60	Purna Award – II
6	M Tech Transportation Engg. Program	AKASH AGRAWAL	9.80	Academic Excellence Prize Institute Medal
7	M Tech Water Resources Engg. Program	NIKITA PALOD	9.83	Academic Excellence Prize Institute Medal
8	M Tech Computer Science Program	ANMOL MOHAN UMRIKAR	9.77	Academic Excellence Prize Institute Medal
9	M Tech Integrated Power Systems Program	GANESAN RAJAGOPAL	9.54	Academic Excellence Prize Institute Medal
10	M Tech Power Electronics & Drives Program	MADHURI DEPURU	9.46	Academic Excellence Prize Institute Medal
11	M Tech Communication Engg Program	ANCHA VINAY KUMAR	9.58	Academic Excellence Prize Institute Medal
12	M Tech VLSI Design Program	RAGHVENDRA DANGI	9.60	Academic Excellence Prize Institute Medal
13	M Tech CAD-CAM Program	PARMAR BHAVIK VIJAYBHAI	9.08	Academic Excellence Prize Institute Medal
14	M Tech Heat Power Engg. Program	KEDAR PRAKASH YEOLE	9.13	Academic Excellence Prize Institute Medal
15	M Tech Industrial Engg. Program	VEMULA CHANDANA DEEPTHI	9.35	Academic Excellence Prize Institute Medal Late Shri B.M. Gupta Prize
16	M Tech Materials Engg. Program	DARSHAN C	9.94	Academic Excellence Prize Institute Medal
17	M Tech Excavation Engg. Program	LALIT MOHAN PATHAK	9.83	Academic Excellence Prize Institute Medal
18	M Tech Urban Planning Program	VIBHAS SUKHWANI	9.54	Academic Excellence Prize Institute Medal Ar. Bharat Yamsanwar Prize

4.2 (E) : B Tech / B Arch Program - Academic Excellence Award / Medals for Excellence in Studies at Pre Final Year/sem in the year 2016-17 at the Republic day function on 26th January 2017

Sr No.	Name	Criteria	YGPA/ Marks	Award / Prize
1	ZEESHAN UL ISLAM	For Exhibiting the Best Performance in the 1 st year (1 st and 2 nd) of B Tech Program	9.88	Academic Excellence Prize
2	SHUBHANSHU GUPTA	Highest Marks in Engineering Mechanics (1st and 2nd) of B Tech Program.	92+92=184 [TH + PR]	Prof. Vasant and Smt. Susheela Mokashi Prize
3	TORNEKAR ROHIT	Highest Marks in Chemistry (1st and 2nd) of B Tech Program	93+91=184 [TH + PR]	Late Shri V. Narsimha Raidu Prize
4	GARIMELLA ANUSHA	Highest Marks in Mathematics (1st and 2nd) of B Tech Program	M-I+M-II 93+97=190	Dr. S. G. Ghangrekar Prize Late Dr. A G Deshpande Prize
5	JOSHI SHREYAS SATISH	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Tech Chemical Engg. Program.	9.54	Academic Excellence Prize
6	PARDHI PRASHANT CHAITRAM	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Tech Civil Engg. Program.	9.57	Academic Excellence Prize
7	ZADE OMKAR SANJIV	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Tech Computer Science Engg. Program.	9.81	Academic Excellence Prize
8	LAVANURU PRAVALLIKA	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Tech Electrical & Electronics Engg. Program.	9.46	Academic Excellence Prize
9	ADDEPALLI SHALINI	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Tech Electronics & Communication Engg. Program.	9.85	Academic Excellence Prize

Sr No.	Name	Criteria	YGPA/ Marks	Award / Prize
10	KUNDALKAR APURV VILAS	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Tech Mechanical Engg. Program.	9.92	Academic Excellence Prize
11	SHUBHAM THERE	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Tech Mining Engg. Program.	9.53	Academic Excellence Prize
12	KANADE SUMEDH DEEPAK	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Tech Metallurgical and Materials Engg. Program.	9.56	Academic Excellence Prize Late Dr. M.S. Jakkiwar Prize
13	KAKDE MOHAN VASANTA	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Program all branches. For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Mining Engg. Program	10	Shri H.V. Bedekar Prize Late Raobahadur Sardesai Prize Academic Excellence Prize Dr. V.M. Dokras Felicitation Committee Prize
14	ANSARI AAMIR FAISAL MOHD ANWAR	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Chemical Engg. Program.	9.78	Academic Excellence Prize Dr. V.M. Dokras Felicitation Committee Prize
15	NIHAL SINGH	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Civil Engg. Program.	9.98	Academic Excellence Prize Dr. V.M. Dokras Felicitation Committee Prize
16	YADAV SHARAD CHANDRABHAN	Highest Marks in the Subject Concrete Engineering (CEL313) at 5 th semester of B Tech Civil Engg. Program.	83+90=173 [TH + PR]	Late Dr. M.M. Inamdar Prize
17	SINGH ADITYA KUMAR RAJESH KUMAR	For scoring Highest Marks in the Subject Structural Analysis (AML-361) of 5 th semester B Tech Civil Engg. Program.	92+94=186 [TH + PR]	Dr. M. M. Basole Prize.
18	KARNEWAR SANYUKTA MOHAN	For scoring Highest Marks in the Subject Design of RCC Structures (CEL-305) of 6 th semester B Tech Civil Engg. Program.	95	Dr. P.K. Godbole Prize

Sr No.	Name	Criteria	YGPA/ Marks	Award / Prize
19	MANAQIBWALA IDRIS MUSTAFA	For scoring Highest Marks in the Subject Advanced Structural Analysis (AML-461) in 7 th Sem. B Tech Civil Engg. Program.	97	Dr. S.S. Amin Prize
20	ANKIT JENA	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Computer Science Engg. Program.	9.43	Academic Excellence Prize Dr. V.M. Dokras Felicitation Committee Prize
21	SAMIKSHA BAID	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Electrical & Electronics Engg. Program.	9.6	Academic Excellence Prize Dr. V.M. Dokras Felicitation Committee Prize Shri S.P. Damle Prize
22	CHIGILIPALLI KRISHNAPRIYA	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Electronics & Communication Engg. Program.	9.7	Academic Excellence Prize Dr. V.M. Dokras Felicitation Committee Prize
23	NILAWAR SUYASH SUDHIR	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Mechanical Engg. Program.	9.86	Academic Excellence Prize Dr. V.M. Dokras Felicitation Committee Prize Late Arbind Biswas Prize
24	DEO KAIVALYA ARVIND	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Tech Metallurgical and Materials Engg. Program.	9.93	Academic Excellence Prize Dr. V.M. Dokras Felicitation Comm.Prize Late Dr. M.K. Joshi Prize
25	SHASHWATA KAPOOR	For Exhibiting the Best Performance in the 1 st year (1 st and 2 nd) of B Arch Program	8.98	Academic Excellence Prize
26	VISHAKHA KIRANRAO GONDHALI	For Exhibiting the Best Performance in the 2 nd year (3 rd and 4 th) of B Arch Program.	9.61	Academic Excellence Prize
27	VISHAKHA KIRANRAO	For scoring Highest Marks in the Subject History of	88	Late Shri Narendra Jaiswal Prize

Sr No.	Name	Criteria	YGPA/ Marks	Award / Prize
	GONDHALI KAKOLI BORAH	Architecture-III (ARL-202) of 3 rd semester B Arch Program.		
28	P GOUTHAMI	For Exhibiting the Best Performance in the 3 rd year (5 th and 6 th) of B Arch Program.	9.67	Academic Excellence Prize Dr. V.M. Dokras Felicitation Comm.Prize Shri Sheodanmal Prize
29	PRANTAR MAHANTA TAMULI	For Exhibiting the Best Performance in the 4 th year (7 th and 8 th) of B Arch Program. For scoring Highest Marks in the Subject of Design Studio 7th and 8th semester (ARL-405 & ARL-411 respectively) B Arch Program.	9.31 74+91=165	Academic Excellence Prize Architecture Design Award in the memory of Late Prof. M.W. Indapawar
30	SONSY MISHRA	For scoring Highest Marks in the Subject of Architectural Design VIII in B.Arch. Program.	79	Ar. Bharat S. Yamsanwar Prize
31	PATEL KAUSHAL PRAVINBHAI	For Exhibiting the Best Performance in the Pre final year (1 st and 2 nd) of M Tech Structural Engg. / Structural Dynamics & Earthquake Engineering Program.	9.73	Dr. M.M. Basole Prize instituted by Mr. M.A. Katarmal
32	KATIKALA SAI RAM	For scoring Highest Marks in the Subject Finite Element Method (AML-431) of 2nd Semester M Tech Program.	86	Dr. P.N. Godbole Prize
33	REIVA SIBI	For scoring Highest Marks in the Subject Environmental Engineering Systems Optimization (CEL-511) of M Tech Environmental Engg. Program.	91	Late Prof. P R Bhavé Prize

4.3 : Examination Details: Program wise No. of Students awarded Degree
Degree Statistics: Program wise Students Awarded Degree in 14th Convocation

SrNo.	Program	No. of Students		
		M	F	T
Degree of Bachelor of Technology				
1	Chemical Engineering	52	22	74
2	Civil Engineering	74	18	92
3	Computer Science & Engineering	65	19	84
4	Electronics and Communication Engineering	64	41	105
5	Electrical and Electronics Engineering	60	27	87
6	Mechanical Engineering	89	1	90
7	Metallurgical and Materials science Engineering	68	18	86
8	Mining Engineering	29	0	29
	Total	501	146	647
Degree of Bachelor of Architecture				
	Architecture	36	18	54
Degree of Master of Technology				
1	Structural Engineering	14	5	19
2	Structural Dynamics and Earthquake Engineering			17
		14	3	
3	Environmental Engineering	18	6	24
4	Water Resources Engineering	8	8	16
5	Construction Technology & Management	17	2	19
6	Transportation Engineering	13	4	17
7	Computer Science & Engineering	13	11	24
8	Integrated Power System	17	4	21
9	Power Electronics & Drives	20	3	23
10	Communication System Engineering	14	6	20
11	VLSI Design	22	4	26
12	Industrial Engineering	18	1	19
13	Heat Power Engineering	20	1	21
14	CAD-CAM	22	1	23
15	Material Engineering	14	1	15
16	Urban Planning	10	8	18
17	Excavation Engineering	10	0	10
	Total	264	68	332
Degree of Master of Science				
1	Chemistry	8	9	17
2	Physics	9	9	18
3	Mathematics	11	7	18
	Total	28	25	53
Degree of M Tech by Research				
1	Chemical Engineering	2	1	3
2	Civil Engineering	2	0	2
	Total	4	1	5
Degree of Doctor of Philosophy				
	Ph D	38	11	49
	Grand Total	871	269	1140



Training and Placement

5. TRAINING AND PLACEMENT

5.1 General Information about Training & Placement Section

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 2016-17, 104 companies visited the campus and 490 jobs were offered to UG & PG students. Detailed break up is listed below.

5.2A 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 & Placement department approached 25 companies for Training. Training Seats received for Summer Vacation 2016-17 are summarized below.

No. of Students	Discipline	No. of Industries offered Training	Seats Obtained
77	Civil Engineering	01	02
98	Mechanical Engineering	02	12
85	Electrical Engineering	02	12
72	Chemical Engineering	02	02
85	Electronics Engineering	-	-
85	Computer Science Engineering	-	-
76	Metallurgy Engineering	-	-
20	Mining Engineering	09	193

- **Self Arranged Training**

No. of students applied for Winter Vacation Training - : 184

No. of students applied for Summer Vacation Training - : 300

- **Paid Internship**

Twenty 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	3
2	Fidelity Business Services India Pvt Ltd	13
3	Morgan Stanley	5
4	Goldman Sachs	2
5	CarWale.Com	4
6	JP Morgan	8
7	Sun Pharmaceutical Industries Ltd	11
8	Thermax Ltd.	1
9	Atos Ltd.	19
10	Larsen & Toubro Limited	3
11	Pepsico India	3
12	UPL	3
13	L&T Construction	4
14	Healthcoco	1
15	Wipro	5
16	Zuti Engineering Solutions	2
17	RIL	9
18	Daikin	4
19	INTEL	2
20	John Deere Technology Center	Result awaited
	Total	102

5.2. B : 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 vacation.

ii) Architecture & Planning 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.

5.2. C : Training of P. G. 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.

5.2. D : 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. 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.

5.2. E : Activities of Placement

- Collection and maintenance of database of final year students who register with T & P department .
- 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.
- Organized TLS (Technical Lecture Series) by L&T Ltd.
- Organized Guest lecture “Motivation-cum- Awareness” by Defense Officials.
- Organized Guest lecture “Internet of Things (IOT)”.
- Conducted Tata Group e-learning program for B.Tech students.

5.3 : A) Statistics of Students Placed after 1st April 2016.

Branch	Passing out Batch 2016
Civil	10
Mechanical	03
Electrical	10
Chemical	09
Electronics	06
Computer Science	-
Metallurgy	01
Mining	08
Total for B.Tech	47
Total for M.Tech	21

**5.3 : B) Statistics of Placement 2016-17 (From 1st April 2016 upto 31st March, 2017).
Number of Students Placed**

1. B.Tech

Branch	Eligible	Placed
Computer Science & Engineering	95	76
Mechanical Engineering	93	67
Electronics & Communication Engineering	83	65
Electrical & Electronics Engineering	86	60
Chemical Engineering	73	41
Civil Engineering	87	40
Metallurgical & Materials Engineering	71	22
Mining Engineering	37	20
Total	625	391

2. B.Arch

Branch	Eligible	Placed
Architecture	08	06

3. M.Tech

Branch	Eligible	Placed
Computer Science Engineering	22	15
CAD-CAM	22	9
Communication System Engineering	21	6
VLSI Design	16	5
Power Electronics and Drives	14	4
Structural Engineering	17	3
Integrated Power System	18	3
Industrial Engineering	23	3
Excavation Engineering	10	3
Environmental Engineering	21	2
Water Resources Engineering	17	1
Heat Power Engineering	18	1
Construction Technology and Management	18	1
Material Engineering	16	1
Structural Dynamics and Earthquake Engineering	17	-
Transportation Engineering	16	-
Urban Planning	13	-
Chemical Engineering	15	-
Total	314	57

4. M.Sc

Branch	Eligible	Placed
Physics	11	01
Mathematics	07	01
Chemistry	08	-
Total	26	02

5.4: No. of Jobs Offered (Normal / Dream / PPO Normal / PPO Dream) Branch Wise Industries
B.Tech Normal Jobs

S.N	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
1	L&T ECC	25	2	8		3			2	40
2	Vedanta Ltd.	1	1	4	2			7	7	22
3	Reliance Industries Ltd.		4	4	9	2		3		22
4	Siemens Ltd.		4	5		8	2			19
5	Tata Motors Ltd.		8	2						10
6	Deloitte	2	1	1	3	2				9
7	Infosys Ltd.	1		1	2	2		2	1	9
8	OFSS-Normal		2	1		5				8
9	Wipro Ltd.					4	4			8
10	KEC International Ltd.	2	2	4						8
11	Aditya Birla Group (Hindalco)		2	2				3		7
12	John Deere Technology		1	3		1	1			6
13	Varroc Engineering Pvt. Ltd.		2	1		3				6
14	mSupply.com	1			1	1		1	1	5
15	Birla Century	1	1	1	2					5
16	Atos India Pvt. Ltd.			2		2				4
17	Capgemini India Pvt Ltd			2		1	1			4
18	BASE Educational Services Pvt Ltd	1			3					4
19	Fractal Analytics Pvt. Ltd.			2				1		3
20	Sun Pharmaceutical Industries Ltd		1	1	1					3
21	VE Commercial Vehicles		2						1	3
22	ADM Agro Industries India Pvt Ltd		1	1	1					3
23	Webonise Lab						3			3
24	Nice Software Solutions Pvt. Ltd.		1				2			3
25	Hero MotoCorp Ltd		3							3
26	Avanti Fellows	1	1		1					3
27	Alfa Laval (India) Limited		3							3
28	Lafarge India Ltd.		1		2					3
29	ThyssenKrupp Electrical Steel India Pvt. Ltd.		1					2		3
30	Misys Software Solutions (India) Pvt Ltd.					2				2
31	ACG Worldwide		1		1					2
32	3DPLM Software Solutions Ltd		2							2
33	Ashok Leyland		2							2
34	FCA (FIAT)		2							2
35	SHV Energy		1		1					2
36	Godrej & Boyce Mfg. Co. Ltd.		2							2
37	Pidilite Industries Ltd.		1		1					2
38	Jubilant Life Sciences Ltd.				2					2
39	Reliance Industries-Petrochemical Business				2					2
40	Anand Mine Tools Pvt. Ltd, Nagpur	1	1							2
41	Godrej Industries Ltd				1					1
42	Publicis.Sapient					1				1
43	Thermax Ltd.		1							1

S.N	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
44	Decathlon Sports India Pvt. Ltd.								1	1
45	L & T Technology Services					1				1
46	Rishabh Instruments Pvt. Ltd									-
47	Persistent Systems Ltd.									-
48	ABB Ltd.									-
49	Bharat Forge									-
50	S Jain Ventures									-
51	Calderys India Refractories Ltd.									-
52	Metlok Pvt Ltd.									-
53	Techture Structures Pvt. Ltd.									-
54	JMCPROJECTS(I) Ltd									-
55	CatalyseR Eduventures (India) Pvt. Ltd.									-
	Total	36	57	45	35	38	13	19	13	256

B.Tech Dream Jobs

S. N	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
1	Barclays Technology Centre India Pvt Ltd			1		2	11			14
2	OFSS-Dream			3		7	2			12
3	Fidelity Investments			1		1	7			9
4	Nykaa.com	1			1	3	1		2	8
5	ZS Associates	2			2	2	1	1		8
6	Bajaj Auto Ltd.		4			2				6
7	Oracle India Pvt. Ltd.					1	5			6
8	Coal India Ltd.								6	6
9	Philips Innovation						5			5
10	Clairvolex Knowledge Processes Pvt. Ltd.					5				5
11	Numerify India Software Pvt .Ltd						4			4
12	Amazon						3			3
13	Amadeus Software Labs India Pvt Ltd					1	2			3
14	FactSet Systems India Pvt Ltd					1	2			3
15	Maruti Suzuki India Ltd.		3							3
16	Futures First						1	1		2
17	Qualcomm India Pvt Ltd			1		1				2
18	Halftick Info Services Pvt Ltd							1	1	2
19	JP Morgan						2			2
20	HYUNDAI Mobis Technical Center in India					2				2
21	AVAYA India Pvt Ltd					1				1
22	C-DOT					1				1
23	CarWale.com						1			1

S. N	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
24	HSBC Software Development Pvt. Ltd.			1						1
25	Tata Consultancy Services			1						1
26	Ntex Transportation Services Pvt Ltd				1					1
27	PepsiCo India Holdings				1					1
28	Morgan Stanley Advantage Services Pvt Ltd									-
29	DirectI									-
30	Adyant Eduction Pvt. Ltd. (Aakash Institue)									-
	Total	3	7	8	5	30	47	3	9	112

B.Tech PPO Normal Jobs

S.N	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
1.	L&T ECC-PPO	4	2	6					1	13
2.	Siemens Ltd.-PPO		2	2		2				6
3.	Larsen & Toubro Limited-PPO		3	3						6
4.	Wipro-PPO			2		1	1			4
5.	John Deere Technology -PPO		1							1
6.	Godrej Industries Limited-PPO				1					1
7.	Infocepts-PPO			1						1
	Total	4	8	14	1	3	1	0	1	32

B.Tech PPO Dream Jobs

Sr.No	Company Name	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	Total
1.	JP Morgan-PPO						6			6
2.	Citicorp Finance India Limited-PPO			1			4			5
3.	Goldman Sachs-PPO						3			3
4.	Morgan Stanley-PPO						2			2
5.	Ittiam-PPO					1	1			2
6.	Amazon-PPO						2			2
7.	HUL-PPO				1					1
8.	Schneider Electric India-PPO			1						1
9.	MAQ-PPO						1			1
	Total	-	-	2	1	1	19	0	0	23

M.Tech Normal Job

S. N	Company Name	STR	SDEE	WRE	PED	IPS	VLSI	CSE	HPE	IND	CAD-CAM	TRE	ENV	CTM	MTE	UPL	CMN	EXCV	CHE	Total
1.	Infosys				1					2	5						2			10
2.	L&T-ECC	2			1	1							1	1				3		9
3.	OFSS-Normal										2									2
4.	MWH Global			1									1							2
5.	Weonise Lab							1												1
6.	FACA (FIAT)								1											1
7.	JMCPROJECTS (I) Ltd	1																		1
8.	L & T Tech. Services				1															1
9.	Misys Software Solutions Pvt Ltd.																			-
10.	Deloitte																			-
11.	3DPLM Software Solutions Ltd																			-
12.	vConstruct Private Limited																			-
13.	Avanti Fellows																			-
14.	BASE Educational Services Pvt Ltd																			-
15.	IMS Learning Resources Pvt. Ltd.																			-
16.	CatalyseR Eduventures Pvt. Ltd.																			-
17.	ABB Ltd.																			-
	Total	3	0	1	3	1	0	1	1	2	7	0	2	1	0	0	2	3	0	27

M.Tech Dream Job

S. N	Company Name	STR	SDEE	WRE	PED	IPS	VLSI	CSE	HPE	IND	CAD-CAM	TRE	EN V	CT M	MTE	UPL	CMN	EX CV	CHE	Total
1.	Qualcomm India Pvt Ltd						4										2			6
2.	OFSS-Dream							5		1										6
3.	Adyant Education Pvt. Ltd. Franchises of Aakash Educ Services Pvt Ltd.					1					1				1					3
4.	Nykaa.com							2												2
5.	FactSet Systems India Pvt Ltd							2												2
6.	AVAYA India Pvt Ltd							2												2
7.	Clairvolex Knowledge Processes Pvt. Ltd.																2			2
8.	Famic Technologies Pvt. Ltd.										2									2
9.	Marvell India Pvt. Ltd						1	1												2
10.	Sandip University				1	1														2
11.	Morgan Stanley							1												1
12.	Oracle							1												1
13.	Tata Consultancy Services							1												1
14.	Amazon																			-
15.	Itiam Systems Private Ltd.																			-
16.	Numerify India Software Pvt .Ltd																			-
17.	NSEIT Ltd.																			-
18.	MediaTek Bangalore Pvt Ltd																			-
19.	SoftTech Engineers Pvt. Ltd.																			-
	Total				1	2	5	15		1	3				1		4			32

M.Sc Normal Job

Sr. No.	Company Name	Physics	Chemistry	Mathematics	Total
1.	Infosys	--	--	01	01
2.	Adyant Education Pvt. Ltd. Franchises of Aakash Educational Services Pvt Ltd.	01	--	--	01
	Total	01	--	01	02

B.Arch. Normal Jobs

Sr. No.	Company Name	Architecture
1.	Godrej & Boyce Mfg. Co. Ltd.	02
2.	L & W Constructions & L & W Building Solutions	02
3.	Techture Structures Pvt. Ltd.	01
4.	L&T Construction	01
5.	vConstruct Private Limited	--
	Total	06

No. of Jobs Offered (Normal / Dream / PPO Normal / PPO Dream) Branch Wise**B.Tech**

Type of job	Branch								
	CE	ME	EEE	CHE	ECE	CSE	MME	MIN	TOTAL
Normal Job	36	57	45	35	38	13	19	13	256
Dream job	3	7	8	5	30	47	3	9	112
PPO Normal Job	4	8	14	1	3	1	-	1	32
PPO Dream job	-	-	2	1	1	19	-	-	23
Total -->	43	72	69	42	72	80	22	23	423

CE - Civil Engineering
 ME - Mechanical Engineering
 EEE - Electrical & Electronics Engineering
 CHE - Chemical Engineering

ECE - Electronics & Communication Engineering
 CSE - Computer Science & Engineering
 MME - Metallurgical & Materials
 MIN - Mining Engineering

B.Arch

Type of job	Architecture	TOTAL
Normal Job	06	06
Total -->	06	06

M.Sc

Type of job	MSC	TOTAL
Normal Job	02	02
Dream job	--	--
Total -->	02	02

M.Tech

JOB OFFERED - 2016-17 (Normal Job + Dream Job)

Type of job	STR	SDEE	WRE	PED	IPS	VLSI	MCS	HPE	IND	CADCAM	TRE	ENV	CTM	MTE	URBAN	CMN	EXCV	CHE	TOTAL
Normal job	3		1	3	1		1	1	2	7		2	1			2	3		27
Dream job				1	2	5	15		1	3				1		4			32
Total -->	3		1	4	3	5	16	1	3	10		2	1	1		6	3		59

STR Structural Engineering

CAD-

CAD-CAM

SDEE Structural Dynamics and
Earthquake Engineering

CAM

ENV : Environmental Engineering

WRE Water Resources Engineering

CTM Construction Technology and
Management

PED Power Electronics and Drives
IPS Integrated Power System

MTE Material Engineering

VLSI VLSI Design

URBAN Urban Planning

MCS Computer Science Engineering

CMN Communication System Engineering

HPE Heat Power Engineering

EXCV Excavation Engineering

IND Industrial Engineering

CHE Chemical Engineering

Women's Day Celebration



International Yoga Day 21st June 2016



125th Birth Anniversary of Dr. Babasaheb Ambedkar on 14th April 2016



Pledge for Vigilance



'Swachh Bharat Abhiyan' Pledge on 27th September, 2016



**Poster Competition on the occasion of
“Swacha Bharat Abhyan”**





Arohi 2017



AXIS 2016



Run for Unity



Street Play on Independence Day



Matrubhasha Diwas celebration on 23rd February 2017 in Department of Physics





Games and Sports

6. GAMES AND SPORTS

6.1 Games and Sports-General

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 essentials 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:

- 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.
- 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.
- 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.
- Coaching facilities are also made available to the students selected by conducting the selection trials of various games. Specialized Coaches for are appointed to train the students going to participate in various in Inter-NIT Tournaments.
- Another attractive sporting activities are, Institute Gathering, and “Vihang- which are organized every year by the students under the supervision of the Physical Education section. These are the events, where various inter-departmental sports activities are conducted with overwhelming response where the participants are students institute teaching and non-teaching staff.

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. Pankaj Dhule 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.

6.2 Important events as per MHRD guidelines:

According to MHRD directives, our Institute celebrated the **International Yoga Day on 21st of June 2016.**

International Yoga Day:

To strengthen the holistic approach to health and well-being and wider dissemination of information about the benefits of practicing Yoga, our Institute also celebrated the **International Yoga Day at our institute's newly built Yoga hall in the sports complex on 21st of June 2016. Around 100 people including** the honorable Chairman- Board of Governors VNIT, Nagpur Shri Vishramji Jamdar, In charge Director Dr. P. M. Padole, Registrar Dr. R.R. Yerpude, all the deans, staff members, family members of the staff **actively participated in this historical moment.**

The program started with garlanding the portrait of Sir Visvesvaraya, followed by an enlightening speech by honorable chairman. Mr. Naresh Bhandakkar a Yoga expert demonstrated and taught few asanas and pranayam along with his daughter who is a post graduate in Yoga Education through Kaivalyadham Yoga Institute, Lonavala, Pune. Finally the “Yoga Sankalp” was recited by all the participants.

The complete program was coordinated by faculties in physical education Dr. Robin Simon and Dr. Prashant Nagrale.

Swach Bharat Abhiyan:

Swach Bharat Abhitan was also celebrated at the Sports section along with the staff and students.

Run for Unity:

The “Unity Run” was organized on 1st of November 2016 as one of the key activity to honour the memory of Sardar Vallabhai Patel. Around 200 students along with the honorable Director, Deans, faculties from various departments, various sections heads and staff members took active part in “Unity Run”.

Before start of the run all the participants took a pledge along with the honorable Director on “Rashtiya Ekta Saptah”. Later on all the students ran for 3 km. to spread the message of unity and national integrity. Later on sweets were distributed to all the participants.

'Vittiyasaksharataabhiyan' (VISAKA):

The most aspiring initiative 'Vittiyasaksharataabhiyan' (VISAKA) undertaken by the Government of India to promote cashless / digital economy in India in December 2016. The purpose of the 'VittiyaSakshartaAbhiyan' was to actively engage the youth/ students / household / vendors / shopkeepers etc. to make a shift from a cash-dependent economy to a cashless economy. To accomplish this purpose the faculties of Physical Education and Sports encouraged and motivated the students who were involved in sports activities at the institute to use a digitally enabled cashless economic system for transfer of funds.

6.3 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 amidst students of all the other NITs in India. This year total 142 students, 115(M) & 27(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 2016-17.

Sr. No.	Game	Tournament organized by	Duration	Total participants		Position
				Men	Women	
1	Football	NIT Agartala	21 st to 23 rd October 2016	16	0	Participation
2	Basketball (M)	NIT Jaipur	5 th to 7 th November 2016	12	0	Basketball (M)-Semifinalist
	Kabaddi (M)			12		Kabaddi-Third place,
3	Cricket (M)	NIT Rourkela	27 th to 30 th January 2017	16	0	Cricket(M)- Third Place
	Swimming(M)			4	0	2 Gold Medal, 3 Silver Medals, 4 Bronze Medals
4	Athletics (M&W)	NIT Kurukshetra	4 th to 6 th March 2017	15	2	100 M (Men)-Final, 200 M(Women) Final
	Weight lifting/ Power Lifting			1	0	One Gold Medal-Body building and One Bronze Medal-power lifting
5	Kho-Kho(M&W)	NIT Surathkal	17 th to 19 th March 2017	12	0	Kho-Kho(M)-Third Place
	Volleyball(M&W)			12	12	Participation
	Yoga(M&W)			6	6	Participation
6	Badminton (M&W)	NIT Trichy	24 th to 26 th March 2017	5	4	Badminton(M&W)-Q/F
7	Lawn Tennis (M&W)			4	3	Lawn Tennis(M)-S/F Lawn Tennis(W)-Winner
	Total Participants			115	27	

6.4 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 local invitational intercollegiate tournament for Football/ Table Tennis & Chess was organized during 20th to 29th of August 2016. The results of the tournament are as follows.

Game	Winner	Runner Up
Table Tennis		
Table Tennis	Dr. Ambedkar College, Dikshabhumi, Nagpur	VNIT, Nagpur
	Best Player of the tournament	Sudipto Mitra, RCOEM, Nagpur
Chess		
Chess- Men	YCCE, Nagpur	VNIT, Nagpur
First Board Prize	Mr. Prasad Aurangabadkar	YCCE, Nagpur
Second Board Prize	Miss. Soumya Shrivastava	RCOEM, Nagpur
Third Board Prize	Mr. Atharva Bhajne	YCCE, Nagpur
Fourth Board Prize	Mr. Rahul Ranganathan	VNIT, Nagpur
Fifth Board Prize	Mr. Prathmesh Dinkar	VNIT, Nagpur
Football		
Football	S.K. Porwal College	Anjman College of Engineering
Best Forward player of the tournament	Mr. Moin Khan	S.K. Porwal College, Campjee
Best Mid fielder of the tournament	Mr. Muzzamil Khan	Taywade College, Nagpur
Best Defender of the tournament	Mr. Roshan Bhadange	RCOEM, Nagpur
Best Goal Keeper of the tournament	Mr. Abdul Ahod	S.K. Porwal College, Campjee
Most Disciplined player of the tournament	Mr. Sohil Ali Kabir	Anjman College of Engineering, Nagpur

The Institute also participated in Dr. Punjabrao Deshmukh Sports Festival in the disciplines of Cricket, Basketball and Football tournament.

The Institute Badminton (Men) Team got runner up position whereas Basketball (M) & Football teams secured fourth place in the same tournament.

Krik Mania:

Through this Invitational 20 limited over Cricket Tournament a competitive platform is provided to the upcoming Cricketers of local colleges. This year the Krik Mania Tournament was organized during 7th to 24th of December 2016. Since last 24 years through this particular event students of the institute are learning various skills of organizing sporting event under the guidance of Physical Education & Sports section.

In the present edition of Krik Mania Hislop College Nagpur won the tournament by defeating Dr. Ambedkar College, Nagpur.

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 & Sports Section celebrates the birth anniversary of the great Hockey legend Major Dhyanchand 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, Basketball and Chess.

The objective of organizing this particular event 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 knows 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.

Prize winners of Intramural Tournament 2016-17			
Sr. No.	Game	Runner-Section	Winner-Section
Girls			
1	Throw ball	Z	U
2	Badminton	U	R
3	Table Tennis	L	Z
4	Chess	S	T
5	Cricket	Z	X
6	Kho -Kho	T	Z
Boys			
1	Football	S	X
2	Volleyball	Z	L
3	Badminton	S	Z
4	Table Tennis	L	T
5	Chess	Z	U
6	Cricket	Z	T
7	Basketball	Y	S
8	Kabaddi	Y	Z
9	Kho-Kho	Y	T
Overall Champions			
1	Runner Up- Girls	Section-U	
2	Overall Champion- Girls	Section -Z	
3	Runner Up- Boys	Section-T	
4	Overall Champion- Boys	Section -Z	

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 :

PET- Level-1

Sr. No.	Component	Tests	Score
1	Speed	100 meter flat race	Timing is recorded in seconds for each student
2	Abdominal Strength	One minute Bent Knee Sit Ups	Maximum legal sit ups performed in one minute is recorded for each student
3	Shoulder Strength	Push Ups/Modified push ups for girls	Maximum push ups performed is recorded for each student
4	Flexibility of Hp Joint and Hamstring Muscles	Sit And Reach	Maximum stretching is recorded in centimeter with the help of measuring scale for each student

On the basis of performance of PET- Level-1 which is compulsory for every first tear student but not competitive in nature; few students are selected for PET- Level-2 which is competitive in nature.

Components of PET- Level-2

Sr. No.	Component	Tests
1	Respiratory Endurance	1500 meter Run for boys and 800 meter Run for girls
2	Speed	100 meter run for boys and 50 meter Run for Girls
3	Coordinative ability/ Agility	20 meter Shuttle Run
4	Explosive Strength of Back Muscles & Leg Muscles	Standing Broad Jump
5	Explosive Strength of shoulder muscles	Medicine Ball throw

Table showing Best Athletes of PET -Level-2 with their performance

Female		
Rank	Name	Score
1st	DOLLY SHYAM	46.71
2nd	SONAL GAIKWAD	45.67
3rd	M MANASA	43.16
Male		
Rank	Name	Score
1st	VARANGAONKAR AMEY SIDDHESHWAR	46.92
2nd	ATRAM SAHIL PRAVIN	43.9
3rd	HURKAT RAJ SHYAMSUNDER	42.18

Institute Gathering:

The Institute gathering was conducted during 6th January to 17th January 2017: Students and staff participated with overwhelming response in various inter-departmental sports activities conducted under Institute gathering.

Vihang- PG Sports:

Vihang was conducted during 17th February to 5th March 2017. This is another interdepartmental sports activity which is conducted by the P. G. students under the supervision of Sports section.

Practice matches:

The institute Football, Volleyball, Cricket and Kho-Kho teams were provided ample of opportunity to have practice matches with leading colleges of Nagpur city before they go for All India Inter NIT Tournaments in their respective sports.

Some other important sports activities which took place at the VNIT play grounds are as follows:

- A Cricket match was organized on 13th August 2016, for the new faculties of VNIT.
- All India Inter Unit Cricket Tournament for Hindustan Petroleum Corporation Limited was conducted on 24th to 26th of November 2016 on institute Cricket ground.
- Selection Trial for Power Grid Corporation of India was conducted on 28th to 30th of November 2016 on the institute Cricket ground.

One Day Workshop on Management of Sports Injuries:

One Day Workshop was conducted on 3rd of March 2017 on Management of Sports Injuries for all sports persons and those students of VNIT who are facing some sports injuries. Dr. Ronnie Chatterjee, an expert in Musculoskeletal Disorder's and Sports Physiotherapy, Certified Manual Therapist had an interactive session with all the participants and gave some important inputs to the students.

6.5 Felicitation of Students:

The valedictory function was celebrated on 18th of April 2016. The In charge Director Dr. P. M. Padole, Dean (SW), Dean (ACD), Asso. Dean (SA), Asso. Dean (Hostel Affair), Head of the departments and faculty members graced the occasion with their presence.

Following students were felicitated during ceremony.

- All the students who brought laurels to the institute by winning trophies
- All the first year students who represented the institute in All India Inter NIT Tournaments
- Winner of intramural tournaments
- Overall Championship trophies
- Best Class Sports representative Boy and Girl
- The best three athletes of Physical Efficiency Test in Male and Female categories are felicitated with mementoes and track suits.

6.6 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
- 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 Resources

7. HUMAN RESOURCES

7.1 – Staff position

Teaching Staff

Categories of the staff	Professor	Associate Professor	Assistant Professor	Total
Sanctioned strength	48	96	191	335
In position strength	37	50	120	207
Lecturer in Students Activity and Sports Center.				2

Non Teaching Group “A” Staff Position

Sr. No.	Category	Sanctioned Posts	Staff in Position
1	Registrar	1	0
2	Dy. Registrar	4	4
3	Asst. Registrar	6	5
4	Librarian	1	1
5	Dy. Librarian	1	0
6	Asst. Librarian	1	1
7	Principal Technical Officer	2	0
8	Sr. Scientific/Technical Officer	3	2
9	Scientific/Technical/ SAS officer	9	6
10	Executive Engineer	1	1
11	Assistant Ex. Engineer	2	0
12	Sr. Medical Officer	1	1
13	Medical Officer	1	1
	Total	33	22

Group “B” Staff Position

Sub-Cadre	Sanctioned	Actual
Tech. Asst / SAS Asst / Jr. Engineer / Sr. Pharmacist	43	17 +1*
Sr. TA / Sr. SAS Asst / Asst. Engineer / Pharmacist(SG II)	34	13
Staff Nurse		1
TA(SG II)/ SAS Asst (SG II)/AEE	22	1
Superintendent/Accountant	12	6
Secretary		1
Security Officer		
Sr,Superintendent / Accountant / Secretary	9	NIL
Sr,Secretary		
Superintendent / Accountant / Secretary (SG-II)	6	NIL
Secretary (SG-II)		
Stenographer SG-I	1	01*
Stenographer SG-II	2	04*
Technical/Lab/Work Assistant (SG I)	2	NIL
Assistant(SG-I)	4	NIL
Grand Total	135	45

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

Group “C” Staff Position

Sub-Cadre	Sanctioned strength	Actual strength
Technician/Lab/Work Assistant	44	12
Sr.Technician/Sr. Lab/Sr. Work Asst.	34	19
Technical/Lab/Work Assistant (SG II)	21	10
Library Assistant		
Pharmacist	1	1
Jr.Assistant	26	7
Sr.Assistant	19	14
Assistant(SG-II)	6	7
Grand Total(A+B+C+D)	151	70

Supporting Staff Position

Sanctioned strength	50
In position strength	68

7.2 Faculty Position in Departments

Sr. No.	Name of the Department	Professor	Associate. Professor	Assistant. Professor	Total
1	Applied Mechanics	5	3	6	14
2	Architecture & Planning.	1	5	10	16
3	Chemistry	2	2	9	13
4	Chemical Engg.	0	3	14	17
5	Civil Engg.	5	5	8	18
6	Center for VLSI & Nanotechnology	2	1	2	5
7	Computer Science	2	4	8	14
8	Electrical Engg.	4	8	9	21
9	Electronics	4	1	9	14
10	Humanities	0	2	1	3
11	Mathematics	1	1	9	11
12	Mechanical Engg.	5	6	18	29
13	Metallurgical and Materials Engineering	3	4	8	15
14	Mining	2	2	3	7
15	Physics	1	3	6	10
	TOTAL (In position)	37	50	120	207
	Total (Sanctioned)	48	96	191	335

Staff in Physical Education :

Lecturer In Physical Education	2
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7.3 List of Faculty Members

Sr. No.	Name	Designation	Department	Educational Qualification
1.	Dr. Laxmikant Madanmanohar Gupta	Professor	Applied Mechanics	Ph.D.
2.	Dr. Ramakant Kisansing Ingle	Professor	Applied Mechanics	M.Tech., Ph.D.
3.	Dr. Omprakash Ramakant Jaiswal	Professor	Applied Mechanics	Ph.D.
4.	Dr. Girish Narayanrao Ronghe	Professor	Applied Mechanics	M.Tech., Ph.D.
5.	Dr. Mukund Madhavrao Mahajan	Professor	Applied Mechanics	M.Tech., Ph.D.,
6.	Dr. Sachin Vasant Bakre	Associate Professor	Applied Mechanics	B.E., M.Tech., Ph.D.
7.	Dr. Smt. Sangeeta Surendra Gadve	Associate Professor	Applied Mechanics	Ph.D.
8.	Dr Ranjan Sadashivrao Sonparote	Associate Professor	Applied Mechanics	M.Tech., Ph.D.
9.	Dr. Ratnesh Kumar	Assistant Professor	Applied Mechanics	B.E., M.Tech., Ph.D.
10.	Shri. Sanjay Bhanukumar Borghate	Assistant Professor	Applied Mechanics	M.Tech.
11.	Dr. Ku. Debarati Datta	Assistant Professor	Applied Mechanics	B.E., M.E., Ph.D.
12.	Shri. Arvind Y Vyavahare	Assistant Professor	Applied Mechanics	B.E., M.Tech
13.	Shri. Ashish P Khatri	Assistant Professor	Applied Mechanics	B.E., M.Tech
14.	Dr. Manmohan Dass Goel	Assistant Professor	Applied Mechanics	B.E., M.Tech., Ph.D.
15.	Dr. Vinayak Sakharam Adane	Professor	Arch.& Planning	B.Arch., M.E., Ph.D.
16.	Dr. Smt. Rajashree S. Kotharkar	Associate Professor	Arch.& Planning	B.Arch., MUP, Ph.D
17.	Dr. Vilas Kesharao Bakde	Associate Professor	Arch.& Planning	B.Arch., M.Tech. Ph.D
18.	Dr. Vijay Shriramji Kapse	Associate Professor	Arch.& Planning	B.Arch., M.Tech., Ph.D.
19.	Dr. Smt. Chandra Seomal Sabnani	Associate Professor	Arch.& Planning	M.Arch., Ph.D
20.	Dr. Akshay Prabhakar Patil	Associate Professor	Arch.& Planning	B.Arch, P.G. Diploma (Urban Design), Ph.D

Sr. No.	Name	Designation	Department	Educational Qualification
21.	Dr. Smt. Smita Habeeb Khan	Assistant Professor	Arch.& Planning	B.Arch., M.Arch.Ph.D.
22.	Shri. Aniket Manohar Deshmukh	Assistant Professor	Arch.& Planning	B.Arch., Aiaa, M.Tech.
23.	Shri. Kishor Narsing Joglekar	Assistant Professor	Arch.& Planning	B.Arch., Aiaa, M.Tech.
24.	Dr. Smt. Vidya Vinayak Ghuge	Assistant Professor	Arch.& Planning	B.Arch., M.Tech, Ph.D
25.	Dr. Sameer Moreshwar Deshkar	Assistant Professor	Arch.& Planning	B.Arch, M.Plan, Ph.D
26.	Shri. Amit Manohar Deshmukh	Assistant Professor	Arch.& Planning	B.Arch, M.Tech
27.	Dr. Amit Jankiram Wahurwagh	Assistant Professor	Arch.& Planning	B. Arch, M.Arch, Ph.D.
28.	Dr. Mrs. Sarika Pankaj Bahadure	Assistant Professor	Arch.& Planning	B.Arch, M.Tech, Ph.D
29.	Dr. Pankaj Nilkanth Bahadure	Assistant Professor	Arch.& P Lanning	B.Arch., Master Of City Planning Ph.D.
30.	Dr. Mrs. Meenal Mangesh Surawar	Assistant Professor (On Contract)	Arch.& Planning	B.Arch., M.Tech., Ph.D.
31.	Dr. Raghavendra Baswant Deshmukh	Professor	Centre For VLSI And Nanotechnology	B.E., M.Tech. Ph.D.
32.	Dr. Rajendra Mukundrao Patrikar	Professor	Centre For VLSI And Nanotechnology	Ph.D
33.	Dr. Sanjay Bhargavdas Dhok	Associate Professor	Centre For VLSI And Nanotechnology	M.Tech., Ph.D
34.	Dr. Ganesh Chintaman Patil	Assistant Professor (On Contract)	Centre For VLSI And Nanotechnology	Phd
35.	Dr. Vasu Pulijala	Assistant Professor (On Contract)	Centre For VLSI And Nanotechnology	B.Tech, Ph.D.
36.	Dr. Kailas Lachchulal Wasewar	Associate Professor	Chemical Engineering	B.Tech., M. Tech., Ph.D.
37.	Dr. Sachin A Mandavgane	Associate Professor	Chemical Engineering	B.Tech, M.E., Ph.D.
38.	Dr. Ashish Subhash Chaurasia	Associate Professor	Chemical Engineering	B.Tech, M.E., Ph.D.,
39.	Dr. Pradip Babanrao Dhamole	Assistant Professor	Chemical Engineering	B.E., M.E., Phd

Sr. No.	Name	Designation	Department	Educational Qualification
40.	Dr. Mahesh Nandalal Varma	Assistant Professor	Chemical Engineering	B.E., M.Tech., Ph.D.
41.	Dr. Ravi Namdeo Methekar	Assistant Professor	Chemical Engineering	B.E., M.Tech, Ph.D.
42.	Dr. Diwakar Zaparu Shende	Assistant Professor	Chemical Engineering	B.E., M.Tech, Ph.D.
43.	Dr. Ajit Pralhad Rathod	Assistant Professor	Chemical Engineering	B.Tech, M.Tech, Ph.D.
44.	Dr. Shriram Shaligram Sonawane	Assistant Professor	Chemical Engineering	B.Tech., M.Tech, Ph.D.
45.	Dr. Vijayakumar R. P.	Assistant Professor	Chemical Engineering	B.Tech., M.Tech, Ph.D.
46.	Dr. C Ravikumar	Assistant Professor (On Contract)	Chemical Engineering	B.Tech., M.E., Ph.D.
47.	Dr. Shyam Marotrao Kodape	Assistant Professor	Chemical Engineering	B.Tech., M.Tech, Ph.D.
48.	Dr.Mrs.. Sonali Pravin Tajane	Assistant Professor	Chemical Engineering	B.Tech., M.Tech, Ph.D.
49.	Dr. Shailesh Ghanashyam Agrawal	Assistant Professor (On Contract)	Chemical Engineering	B.Tech., M.Tech, Ph.D
50.	Dr. Ashwin Kannan	Assistant Professor (On Contract)	Chemical Engineering	B.E., M.S., Ph.D.
51.	Dr. Piyush Purushottam Wanjari	Assistant Professor (On Contract)	Chemical Engineering	Ph.D
52.	Dr. Ashwin Pandhari Gaikwad	Assistant Professor (On Contract)	Chemical Engineering	B.Tech., M.Tech, Ph.D.
53.	Dr. Suresh Sudam Umare	Professor	Chemistry	M.Sc., Ph.D.
54.	Dr. Jayant Dattatraya Ekhe	Professor	Chemistry	M.Sc., Ph.D.
55.	Dr. Smt. Anupama Kumar	Associate Professor	Chemistry	Ph.D.
56.	Dr. Sujit Kumar Ghosh	Associate Professor	Chemistry	B.Sc., M.Sc, Ph.D
57.	Dr. Chayan Das	Assistant Professor	Chemistry	B.Sc., M.Sc., Ph.D., Net
58.	Dr. Smt. Ramani Vilas Motghare	Assistant Professor	Chemistry	B.Sc., Ms.C, B.Ed., Ph.D.
59.	Dr. Umesh Rohidas Pratap	Assistant Professor (On Contract)	Chemistry	B.Sc., M.Sc., Ph.D.
60.	Dr. Sangesh Prabhakar Zodape	Assistant Professor	Chemistry	B.Sc., M.Sc., M.Phil., Ph.D

Sr. No.	Name	Designation	Department	Educational Qualification
61.	Dr. Atul Vinayakrao Wankhade	Assistant Professor	Chemistry	B.Sc., M.Sc, B.Ed
62.	Dr. Ms. Sorokhaibam Laxmi Gayatri	Assistant Professor (On Contract)	Chemistry	Ph.D.
63.	Dr. Susanta Kumar Nayak	Assistant Professor (On Contract)	Chemistry	Ph.D.
64.	Dr. Abhishek Banerjee	Assistant Professor (On Contract)	Chemistry	B.Sc., M.S., Ph.D.
65.	Dr. Sandipan Halder	Assistant Professor (On Contract)	Chemistry	B.Sc., M.Sc., Ph.D.
66.	Dr. Vasant Anant Mhaisalkar	Professor	Civil Engineering	M.Tech., Ph.D.
67.	Dr. Rajesh Gupta	Professor	Civil Engineering	M.Tech., Ph.D.
68.	Dr. Yashwant Bhaskar Katpatal	Professor	Civil Engineering	M.Tech., Ph.D.
69.	Dr. Smt. Madhuwanti Vinayak Latkar	Associate Professor	Civil Engineering	M.Sc., Ph.D.
70.	Dr. Ajay Raghunath Tembhurkar	Professor	Civil Engineering	B.E., M.Tech., Ph.D.
71.	Dr. Dilip H Lataye	Associate Professor	Civil Engineering	B.E., Ph.D.
72.	Dr. Rahul Vasant Ralegaonkar	Associate Professor	Civil Engineering	B.E., M.E., Ph.D
73.	Dr. Vishrut Suresh Landge	Associate Professor	Civil Engineering	B.E., M.E., Ph.D.
74.	Dr. Aniruddha D Ghare	Professor	Civil Engineering	B.E., M.Tech, Ph.D.
75.	Dr. Anirban Chandi Das Mandal	Associate Professor	Civil Engineering	B.E, M. E., Ph.D.
76.	Dr. Avinash Durgadas Vasudeo	Assistant Professor	Civil Engineering	B.E., M.Tech, Ph.D
77.	Dr. Anjan Raghunath Patel	Assistant Professor	Civil Engineering	B.E., M.Tech, Ph.D.
78.	Dr. Shilpa Ramnathji Dongre	Assistant Professor	Civil Engineering	B.E., M.Tech, Ph.D.
79.	Dr. Swapnil Purushottam Wanjari	Assistant Professor	Civil Engineering	B.E.,M.Tech, Ph.D
80.	Shri. Abhay G Tawalare	Assistant Professor	Civil Engineering	B.E., M.Tech

Sr. No.	Name	Designation	Department	Educational Qualification
81.	Dr. Ashwini Baswaraj Mirajkar	Assistant Professor (On Contract)	Civil Engineering	B.E., M.E., Ph.D.
82.	Dr. Shrabony Adhikary	Assistant Professor (On Contract)	Civil Engineering	B.Tech., M.Tech., Ph.D.
83.	Dr. Mangesh Vasant Madurwar	Assistant Professor (On Contract)	Civil Engineering	B.E., M.E., Ph.D.
84.	Dr. Shailesh Ramchandra Sathe	Professor	Computer Science And Engineering	B.E., M.Tech. , Ph.D.
85.	Dr. Omprakash Gopalrao Kakde	Professor (Deputed To VNIT Mumbai As A Director)	Computer Science And Engineering	Ph.D.
86.	Dr. Parag Sham Deshpande	Associate Professor	Computer Science And Engineering	M.Tech. , Ph.D.
87.	Dr. Umesh Ashok Deshpande	Associate Professor	Computer Science And Engineering	M.Tech. , Ph.D.
88.	Dr. Ravindra Bhaskar Keskar	Associate Professor	Computer Science And Engineering	B.E., M.Tech, Ph.D.
89.	Dr. Manish Prakash Kurhekar	Associate Professor	Computer Science And Engineering	B.E., M. Tech. Ph.D.
90.	Dr. Anil Suryabhan Mokhade	Assistant Professor	Computer Science And Engineering	M.Tech., Ph.D.
91.	Dr. Smt. Meera Mukul Dhabu	Assistant Professor	Computer Science And Engineering	B.E., M.E., Ph.D.
92.	Shri. Ashish Srinivas Tiwari	Assistant Professor	Computer Science And Engineering	B.Sc., M.E.
93.	Dr. Smt. Shital Adarsh Raut	Assistant Professor	Computer Science And Engineering	B.E, M.E., Ph.D
94.	Dr. Smt. Dipti Deepak Shrimankar	Assistant Professor	Computer Science And Engineering	B.E., M.Tech, Ph.D.
95.	Dr. Poonam Sharma	Assistant Professor (On Contract)	Computer Science And Engineering	B.E., M.Tech, Ph.D.
96.	Ku. Mansi Anup Radke	Assistant Professor (On Contract)	Computer Science And Engineering	B.E., M.S.
97.	Dr. Praveen Kumar Varma	Assistant Professor (On Contract)	Computer Science And Engineering	B.Tech., Ph.D.
98.	Dr. Hiralal Murlidhar Suryawanshi	Professor	Electrical Engineering	Ph.D.
99.	Dr. Mohan Vithalrao Aware	Professor	Electrical Engineering	M.Tech. , Ph.D.

Sr. No.	Name	Designation	Department	Educational Qualification
100.	Dr. Mohan Krishnarao Khedkar	Professor	Electrical Engineering	B.E. M.Tech, Ph.D.
101.	Dr. Prakash Shyamkant Kulkarni	Associate Professor	Electrical Engineering	M.E., Ph.D.
102.	Dr. Vijaykumar Bhanukumar Borghate	Professor	Electrical Engineering	M.Tech. , Ph.D.
103.	Dr. Bhimrao Sitaram Umare	Associate Professor	Electrical Engineering	M.Tech. , Ph.D.
104.	Dr. Sunil Sharadrao Bhat	Associate Professor	Electrical Engineering	B.E., M.Tech, Dbm, Ph.D
105.	Dr. Manojkumar Raju Ramteke	Associate Professor	Electrical Engineering	A.M.I.E., M.Tech. Ph.D.
106.	Dr. Anjali Suresh Junghare	Associate Professor	Electrical Engineering	Ph.D.
107.	Dr. Smt. Madhuri Avinash Chaudhari	Associate Professor	Electrical Engineering	B.E., M.Tech, Ph.D.
108.	Dr. Vijay Shankarrao Kale	Associate Professor	Electrical Engineering	B.E., Ph.D
109.	Dr. Makarand Sudhakar Ballal	Associate Professor	Electrical Engineering	B.E., M.Tech., Ph.D.
110.	Shri. Shirish R Tambay	Assistant Professor	Electrical Engineering	M.Tech.
111.	Dr. Nita Ravindra Patne	Assistant Professor	Electrical Engineering	B.E., M.Tech, Ph.D.
112.	Dr. Makarand Mohan Lokhande	Assistant Professor	Electrical Engineering	B.E., M.E., Ph.D.
113.	Dr. Ashwin Dhabale	Assistant Professor	Electrical Engineering	B.E., M.Tech, Ph.D
114.	Smt. Rajashri Jeetendra Satputaley	Assistant Professor	Electrical Engineering	B.E., M.E
115.	Dr. Ritesh Kumar Keshri	Assistant Professor (On Contract)	Electrical Engineering	Ph.D.
116.	Dr. Arghya Mitra	Assistant Professor (On Contract)	Electrical Engineering	B.E., M.Tech., Ph.D.
117.	Dr. Bhooshan Avinash Rajpathak	Assistant Professor (On Contract)	Electrical Engineering	B.E., M.Tech., Ph.D.
118.	Dr. Pradyumn Chaturvedi	Assistant Professor	Electrical Engineering	B.E., M.E., Ph.D.
119.	Dr. Avinash Gajanan Keskar	Professor	Electronics Engineering	Ph.D.
120.	Dr. Abhay Suresh Gandhi	Professor	Electronics Engineering	B.E., M.Tech., Ph.D.

Sr. No.	Name	Designation	Department	Educational Qualification
121.	Dr. Kishore Madhukarrao Bhurchandi	Professor	Electronics Engineering	B.E., M.E., Ph.D.
122.	Dr. Kishor Damodar Kulat	Professor	Electronics Engineering	B.E., M.Tech., Ph.D.
123.	Dr. Ashwin Ganesh Kothari	Associate Professor	Electronics Engineering	M.Tech. Ph.D
124.	Dr. Vishal Ramesh Satpute	Assistant Professor	Electronics Engineering	B.E., M.Tech., Ph.D.
125.	Smt. Pradnya H Ghare	Assistant Professor	Electronics Engineering	B.E., M.Tech
126.	Dr. Joydeep Subir Sengupta	Assistant Professor	Electronics Engineering	B. Tech., M.Tech., Ph.D.
127.	Shri. Kannaiyan Surender	Assistant Professor	Electronics Engineering	Diploma, B.E., M. Tech.
128.	Dr. Saugata Sinha	Assistant Professor (On Contract)	Electronics Engineering	B.Tech, Phd
129.	Dr. Prabhat Kumar Sharma	Assistant Professor (On Contract)	Electronics Engineering	B.Tech, M.Tech, Ph.D.
130.	Dr. Vinay Kumar Rampriti Tripathi	Assistant Professor	Electronics Engineering	B.Tech, M.Tech, Ph.D.
131.	Dr. Deep Subhash Chandra Gupta	Assistant Professor (On Contract)	Electronics Engineering	B.Tech., M.Tech., Ph.D.
132.	Dr. Sudhir Kumar	Assistant Professor (On Contract)	Electronics Engineering	B.Tech., Ph.D.
133.	Dr. Ku. Madhumita Ghosal	Associate Professor	Humanities	M.A.(Eng.), Pycte., High Dip. In French, Ph.D.
134.	Dr. Yogesh Madhukar Deshpande	Associate Professor	Humanities	B.A., M.A., Ph.D
135.	Dr. Gopichand Namdeo Nimbarte	Assistant Professor	Humanities	B.A., M.A. (Sco, Eco, Marathi Litch.), Ph.D.
136.	Dr. Deepesh Kumar Patel	Assistant Professor (On Contract)	Mathematics	B.Sc., M.Sc., Ph.D.
137.	Dr. Gyanprakash Singh	Professor	Mathematics	M.Sc., Ph.D.
138.	Dr. Podila Pramod Chakravathy	Associate Professor	Mathematics	B.Sc., M.Sc., Ph.D.

Sr. No.	Name	Designation	Department	Educational Qualification
139.	Dr. Ku. Pallavi Vasudeo Mahale	Assistant Professor	Mathematics	B.Sc., M.Sc., Ph.D.
140.	Dr. Rajendra Prasad M. C. Pant	Assistant Professor	Mathematics	B.Sc., M. A. Math, Ph.D
141.	Dr. Naga Raju Gande	Assistant Professor	Mathematics	B.Sc., M.Sc., Ph.D.
142.	Dr. Masabathula Mallaiah Devakar	Assistant Professor	Mathematics	B.Sc., M.Sc., Ph.D.
143.	Dr. Pradip Kumar Suresh Chandra Roul	Assistant Professor	Mathematics	B.Sc., M.Sc., Ph.D.
144.	Dr. Sathish Kumar A	Assistant Professor (On Contract)	Mathematics	B.Sc., M.Sc., Ph.D.
145.	Dr. Jyoti Singh	Assistant Professor (On Contract)	Mathematics	B.Sc., M.Sc., Ph.D.
146.	Dr. Veerendra Vikram Awasthi	Assistant Professor	Mathematics	B.Sc., M.Sc., Ph.D.
147.	Dr. Pramod Madhukarrao Padole	Professor	Mechanical Engineering	B.E., M.E., Ph.D.
148.	Dr. Shashikant Balwantrao Thombre	Professor	Mechanical Engineering	B.E., M.Tech. Ph.D.
149.	Dr. Abhay Kumar Madhusudan Kuthe	Professor	Mechanical Engineering	B.E., M. Engg., Ph.D.
150.	Dr.Hemant Trimbakrao Thorat	Professor	Mechanical Engineering	Ph.D.
151.	Dr. Animesh Nareshchandra Chatterjee	Professor	Mechanical Engineering	B.E., M.Tech., Ph.D.
152.	Dr. Vilas Ramdas Kalamkar	Associate Professor	Mechanical Engineering	Ph.D.
153.	Dr. Yogesh Madan Puri	Associate Professor	Mechanical Engineering	B.E., M.Tech.Ph.D.
154.	Dr. Subhash Vinayakrao Bopshetty	Associate Professor	Mechanical Engineering	B.E., M.Tech., Ph.D.
155.	Dr. Dhananjay Bapurao Zodpe	Associate Professor	Mechanical Engineering	B.E., M.Tech. Ph.D.
156.	Dr. Atul Bhalchandra Andhare	Associate Professor	Mechanical Engineering	Ph.D.
157.	Dr. Jiwak Gajananrao Suryawanshi	Associate Professor	Mechanical Engineering	B.E., M.Tech. Ph.D.
158.	Dr. Smt. Rashmi Vikram Uddanwadikar	Assistant Professor	Mechanical Engineering	B.E., M.E., Ph.D.
159.	Dr. Ashwinkumar S Dhoble	Assistant Professor	Mechanical Engineering	B.E., M.Tech, Ph.D.

Sr. No.	Name	Designation	Department	Educational Qualification
160.	Dr. Ku. Shital Sudhakar Chiddarwar	Assistant Professor	Mechanical Engineering	B.E., M.Tech, M.B.A., Ph.D.
161.	Dr. Hemant Prabhakar Jawale	Assistant Professor	Mechanical Engineering	B.E., M.Tech, Ph.D
162.	Dr. Arunkumar Vashistha Singh	Assistant Professor	Mechanical Engineering	B.E., M.Tech, Ph.D.
163.	Shri. Vinod Manikrao Nistane	Assistant Professor	Mechanical Engineering	B.E., M.Tech
164.	Dr. Mangesh Sahebrao Kotambkar	Assistant Professor	Mechanical Engineering	B.E., M.Tech, Ph.D.
165.	Dr. Tushar Gohil	Assistant Professor (On Contract)	Mechanical Engineering	Ph.D.
166.	Shri. Nitin Kumar Fago Lautre	Assistant Professor	Mechanical Engineering	B.E.,M.Tech
167.	Shri. Avinash Ajabrao Thakre	Assistant Professor	Mechanical Engineering	B.E., M.Tech
168.	Dr. Kishor Mahadeorao Ashtankar	Assistant Professor	Mechanical Engineering	B.E., M.Tech, Ph.D.
169.	Shri. Dhananjay A Jolhe	Assistant Professor	Mechanical Engineering	B.E., M.Tech
170.	Shri. Pravin D Sawarkar	Assistant Professor	Mechanical Engineering	B.E., M.Tech
171.	Shri. Prasad Vijay Kane	Assistant Professor	Mechanical Engineering	B.E., M.Tech
172.	Dr. T V K Gupta	Assistant Professor (On Contract)	Mechanical Engineering	Ph.D.
173.	Dr. Gaurav Tiwari	Assistant Professor (On Contract)	Mechanical Engineering	B.E., M. Tech., Ph.D.
174.	Dr. Ravikumar Dumpala	Assistant Professor (On Contract)	Mechanical Engineering	Ph.D.
175.	Dr. Ravi Pratap Peetala	Assistant Professor (On Contract)	Mechanical Engineering	B.E., M.Tech., Ph.D.
176.	Dr. Shri. Dilip Ramkrishna Peshwe	Professor	Metallurgical Engineering	B.E., M.Tech., Ph.D.
177.	Dr. Awanikumar Parashuramji Patil	Professor	Metallurgical Engineering	B.E., M.Tech. Ph.D.
178.	Dr. Sanjay Gangaram Sapate	Professor	Metallurgical Engineering	B.E., M.Tech., Ph.D.
179.	Dr. Jatin Bhatt	Associate Professor	Metallurgical Engineering	B.E., M.Tech, Ph.D.

Sr. No	Name	Designation	Department	Educational Qualification
180.	Dr. Sailendra Nath Paul	Associate Professor	Metallurgical Engineering	B.E., M.Tech., Ph.D.
181.	Shri. Deepak Vasant Moghe	Associate Professor	Metallurgical Engineering	B.E., M.Tech.
182.	Dr. Ajay Anand Likhite	Associate Professor	Metallurgical Engineering	B.E., M.Tech, Ph.D.
183.	Dr. Ramesh C Rathod	Assistant Professor	Metallurgical Engineering	B.E. M.Tech., Ph.D
184.	Dr. Atul Ramesh Ballal	Assistant Professor	Metallurgical Engineering	B.E., M.Tech., Ph.D
185.	Dr. Ravindra Vasantrao Taiwade	Assistant Professor	Metallurgical Engineering	B.E, M.Tech, Ph.D.
186.	Dr. Rajesh Kisni Khatirkar	Asstistant Professor	Metallurgical Engineering	B.E., M.Tech., Ph.D.
187.	Shri. Yogesh Yadavrao Mahajan	Assistant Professor	Metallurgical Engineering	B.E., M.Tech
188.	Dr. Manjusha Mangesh Thawre	Assistant Professor	Metallurgical Engineering	B.E., M.Tech, Ph.D.
189.	Dr. Ajeet Kumar Srivastav	Assistant Professor (On Contract)	Metallurgical Engineering	B.Tech, M. Tech, Ph.D.
190.	Dr. V. Udhayabanu	Assistant Professor (On Contract)	Metallurgical Engineering	B.E., M.Tech, Ph.D.
191.	Dr. Rajendra Ramchandra Yerpude	Professor	Mining Engineering	DIP In Mining, M.Tech., Ph.D., M.B.A., LLB
192.	Dr. Niranjan Ramchandra Thote	Professor	Mining Engineering	B.E., M.Tech., Ph.D.
193.	Dr. Ishwardas Laxmandas Muthreja	Associate Professor	Mining Engineering	B.E., M.Tech. Ph.D.
194.	Dr. Shyam Sumantrao Gupte	Associate Professor	Mining Engineering	B.E., M.Tech., Ph.D.
195.	Dr. Ajay Kumar Agarwal	Assistant Professor	Mining Engineering	B.E., M.Tech., Ph.D
196.	Shri. Sandeep Manilal Panchal	Assistant Professor (Deputed To IIT Kharagpur Under QIP)	Mining Engineering	B.E., M.Tech
197.	Dr. Ritesh Dharmraj Lokhande	Assistant Professor	Mining Engineering	B.E., Ph.D.
198.	Dr. Vilas Krishnarao Deshpande	Professor	Physics	M.Sc., Ph.D.

Sr. No.	Name	Designation	Department	Educational Qualification
199.	Dr. Rupesh Sukhdeo Gedam	Associate Professor	Physics	M.Sc., Ph.D.
200.	Dr. Babasaheb Raghunath Sankapal	Associate Professor	Physics	B.Sc., M.Sc., Ph.D.
201.	Dr. Gali Hema Chandra	Associate Professor	Physics	B.Sc., M.Sc., M.Phil, Ph.D.
202.	Dr. Smt. Sushma Milind Giripunje	Assistant Professor	Physics	B.Sc., M.Sc., B.Ed, Ph.D.
203.	Dr.Smt. Anuradha Vilas Deshpande	Assistant Professor	Physics	B.Sc., M.Sc., Ph.D.
204.	Dr. Smt. Sujata Rajendra Patrikar	Assistant Professor	Physics	B.Sc., M.Sc, M.Tech, Ph.D.
205.	Dr. K. Mohan Kant .	Assistant Professor	Physics	M.Sc., M.E., Ph.D.
206.	Dr. M. S. Ramkarthik	Assistant Professor (On Contract)	Physics	Ph.D.
207.	Dr. Poorva Singh	Assistant Professor (On Contract)	Physics	Ph.D.

Physical Education Section

Sr. No.	Name	Designation	Department	Educational Qualification
1.	Dr. Prashant Sundardas Nagrale	Lecturer	Physical Education	B.P.Ed., M.P.Ed., NET, Ph.D
2.	Dr. Robin Frank Simon	Lecturer	Physical Education	B.Sc., B.P.Ed., M.P.Ed., Ph.D., NET

7.4 Newly Joined Faculty Members

Sr. No.	Name	Designation	Department	Educational Qualification
1	Dr. Manmohan Dass Goel	Assistant Professor	Applied Mechanics	B.E., M.Tech., Ph.D.
2	Dr. Mrs. Meenal Mangesh Surawar	Assistant Professor (On Contract)	Arch.& Planning	B.Arch., M.Tech., Ph.D.
3	Dr. Vasu Pulijala	Assistant Professor (On Contract)	Centre For Vlsi And Nanotechnology	B.Tech, Ph.D.
4	Dr. Abhishek Banerjee	Assistant Professor (On Contract)	Chemistry	B.Sc., M.S., Ph.D.

Sr. No.	Name	Designation	Department	Educational Qualification
5	Dr. Sandipan Halder	Assistant Professor (On Contract)	Chemistry	B.Sc., M.Sc., Ph.D.
6	Dr. Shrabony Adhikary	Assistant Professor (On Contract)	Civil Engineering	B.Tech., M.Tech., Ph.D.
7	Dr. Mangesh Vasant Madurwar	Assistant Professor (On Contract)	Civil Engineering	B.E., M.E., Ph.D.
8	Dr. Praveen Kumar	Assistant Professor (On Contract)	Computer Science And Engineering	B.Tech., Ph.D.
9	Dr. Arghya Mitra	Assistant Professor (On Contract)	Electrical Engineering	B.E., M.Tech., Ph.D.
10	Dr. Bhooshan Avinash Rajpathak	Assistant Professor (On Contract)	Electrical Engineering	B.E., M.Tech., Ph.D.
11	Dr. Pradyumn Chaturvedi	Assistant Professor	Electrical Engineering	B.E., M.E., Ph.D.
12	Dr. Deep Subhash Chandra Gupta	Assistant Professor (On Contract)	Electronics Engineering	B.Tech., M.Tech., Ph.D.
13	Dr. Sudhir Kumar	Assistant Professor (On Contract)	Electronics Engineering	B.Tech., Ph.D.
14	Dr. Sathish Kumar A	Assistant Professor (On Contract)	Mathematics	B.Sc., M.Sc., Ph.D.
15	Dr. Jyoti Singh	Assistant Professor (On Contract)	Mathematics	B.Sc., M.Sc., Ph.D.
16	Dr. Veerendra Vikram Awasthi	Assistant Professor	Mathematics	B.Sc., M.Sc., Ph.D.
17	Dr. Ravi Pratap Peetala	Assistant Professor (On Contract)	Mechanical Engineering	B.E., M.Tech., Ph.D.
18	Dr. V. Udhayabanu	Assistant Professor (On Contract)	Metallurgical Engineering	B.E., M.Tech., Ph.D.
19	Dr. Ajay Kumar Agarwal	Assistant Professor	Mining Engineering	B.E., M.Tech., Ph.D.
20	Dr. Ritesh Dharmraj Lokhande	Assistant Professor	Mining Engineering	B.E., Ph.D.

7.5 Non- Teaching Staff (Group “A”) Members

Sr. No.	Name	Designation	Department	Qualification
1	Ku. Meenakshi Bhaurao Bhivgade	Sr. Technical Officer	Computer Centre	B.E., M.Tech
2	Smt. Madhuri Rajive Pimple	Sr. Technical Officer	Computer Science And Engineering	B.E., Masters Diploma (Comp. Tech.), M. Tech
3	Shri. Keju Gopalrao Barapatre	Executive Engineer	Estate Maintenance	B.E. (Part Time), M.Tech
4	Shri. Vinayak Dadarao Ghuge	Technical Officer	Workshop (Mech.Engg.)	B.E., M.Tech
5	Shri. Dharmesh Madhukar Parate	Deputy Registrar	Academic	B.Text, M.Tech, M.A.(Ambedkar Thought), M.A.(Gandhian Thought)
6	Dr. Satyendra Marotrao Deshmukh	Deputy Registrar	Admn. & Establishment.	B.E., MIRPM, M.Tech, Ph.D.
7	Shri Kailas Natthuji Dakhale	Deputy Registrar	Store & Exam Section	B.E., PG-MIRPM, LLB, MS-CIT
8	Shri. Ashok Ganpatrao Bhurle	Assistant Registrar	Institute Activities	M.Tech
9	Smt. Anushree A Ansingkar	Assistant Registrar	Examination	B.Com., M.Com
10	Shri. Nikhil Baburao Chingalwar	Assistant Registrar	Hostel	B.Sc., Diploma (C.Sc.), M.B.A.
11	Shri. Rajnesh Medi Pandarinath	Assistant Registrar	Establishment & Adm.	B.Tech, M.Tech
12	Dr. Pankaj Shriram Dhule	Senior Medical Officer	VNIT Health Center	M.B.B.S., M.D. (Anatomy)
13	Mrs. Poonam Manish Harode	Assistant Librarian	Library	H.Sc., B.Sc., MLISC, NET
14	Mr. Vijendrasinh Pralhadsinh Thakur	Technical Officer	Network Centre	B.E., M.Tech.
15	Shri Banothu Krishna Prasad	Technical Officer	Network Centre	B.Sc., MCA, UGC -NET
16	Dr. Awadhesh Pratap Singh	Students Activity & Sports Officer	Students Activity & Sports Center	B.P.Ed., M.P.Ed., Dip In Yoga, Ph.D.
17	Shri Sachin Sudhakar Jagdale	Deputy Registrar	Accounts	B.E.(Mech.)-, M.B.A.(Fin.), ICWA

Sr. No.	Name	Designation	Department	Qualification
18	Dr. Riteshkumar Tukaram Motghare	Medical Officer	VNIT Health Center	MBBS
19	Shri Krishna Kumar Patel	Technical Officer	Network Centre	B.E.
20	Shri Nikhil Vijay Naukarkar	Technical Officer	Network Centre	B.E.
21	Dr. S.C. Kumaresan	Librarian	Library	B.Sc., M.Lib.Sci., Mphil, Ph.D.
22	Shri Gautam Ramani	Assistant Registrar	Accounts	B.Com, M.Com

7.6 Newly Joined Non- Teaching Staff (Group “A”) Members

Sr. No.	Name	Designation	Department	Qualification
1	Dr. Pankaj Shriram Dhule	Senior Medical Officer	VNIT Health Center	M.B.B.S., M.D. (Anatomy)
2	Mrs. Poonam Manish Harode	Assistant Librarian	Library	H.Sc., B.Sc., MLISC, NET
3	Mr. Vijendrasinh Pralhadsinh Thakur	Technical Officer	Network Centre	B.E., M.Tech.
4	Shri Banothu Krishna Prasad	Technical Officer	Network Centre	B.Sc., MCA, UGC -NET
5	Dr. Awadhesh Pratap Singh	Students Activity & Sports Officer	Students Activity & Sports Center	B.P.Ed., M.P.Ed., Dip In Yoga, Ph.D.
6	Shri Sachin Sudhakar Jagdale	Deputy Registrar	Accounts	B.E.(Mech.)-, M.B.A.(Fin.), ICWA
7	Dr. Riteshkumar Tukaram Motghare	Medical Officer	VNIT Health Center	MBBS
8	Shri Krishna Kumar Patel	Technical Officer	Network Centre	B.E.
9	Shri Nikhil Vijay Naukarkar	Technical Officer	Network Centre	B.E.
10	Dr. S.C. Kumaresan	Librarian	Library	B.Sc., M.Lib.Sci., Mphil, Ph.D.
11	Shri Gautam Ramani	Assistant Registrar	Accounts	B.Com, M.Com

7.7 Non Teaching Staff GROUP “B”

Sr. No.	Name & Designation	Designation	Educational Qualifications
1.	Shri S.L.Gadge	Sr. Technical Asst. .	H.S.S.C., Diploma In Metallurgical Engg.
2.	Shri P.G.Meshram	Assistant Engineer	BE.Civil
3.	Shri R.M.Gadge	Assistant Engineer	BE.Civil
4.	Smt Mini.Joseph	Sr. Staff Nurse	H.S.S.C, General Nursing & Midwifery
5.	Smt. D.S. Deshpande	Sr. Technical Asst.	B.Sc. PGDCA MCM
6.	Mrs. B.M. Polke	Sr. Technical Asst.	B.Sc. (B.Sc. Diploma In Computer Sci., MA MS-CIT, MCM MA (Sanskrit), MA (Public Adm.),
7.	Shri P.S. Meshram	Sr. Technical Asst.	B.E. (Computer)
8.	Smt V.S. Deshmukh	Sr. Technical Asst.	M.Sc. Electronics - Instrumentation Diploma in Russian Language
9.	Shri R.B.Parihar	Sr. Technical Asst.	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.	H.S.S.C ,Basic Photography Exam Passed B.A.(Additonal), B.Com
11.	Shri P.P.Kose	Sr. Technical Asst.	H.S.S.C., I.T.I. C.T.I For Instructor (Moulder) Passed
12.	Shri A.N. Shambharkar	Technical Asst. SG-II	M.A., M.Lib. , Pg Diploma In Lib. Automation & Networking ,Typ 30 W.P.M.
13.	Shri R.M.Giripunje	Technical Asst.	SSC,HSSC,ITI (Carpenter)
14.	Shri G.B. Todase	Technical Asst.	H.S.S.C. , I.T.I. (Machinist) , N.C.V.T. (Machinist)
15.	Shri N.C. Borkar	Technical Asst.	Diploma In Mechanical Engg
16.	Shri R.S. Warthi	Sr. Technical Asst.	H.S.S.C. , Diploma In Computer Technology , C.C.C.O., Dtp
17.	Shri C.L. Bagde	Technical Asst.	H.S.S.C. I.T.I. (Welder) Typing 30 Wpm
18.	Shri N.N.Meshram	Sr. Technical Asst.	S.S.C. Diploma In Mechanical Engg.
19.	Shri N.R. Chidam	Sr.Technical Asst.	Diploma In Electronics & Telecommunication ,B.E. (Mech.)

Sr. No.	Name & Designation	Designation	Educational Qualifications
20.	Shri A.K. Ramteke	Technical Asst.	H.S.S.C., Sanitary Inspector Diploma
21.	Shri Veerji Srivastava	Security Officer	Graduate Equivalence (Indian Air Force), Management Capsule Course
22.	Smt.S.S.Gattewar	Stenographer SG-I	B.Com,Eng. Shorthand 100 W.P.M., Eng. Typ. 50 W.P.M.
23.	Smt Usha Patil	Stenographer SG-II	M.Comeng. Shorthand 120 W.P.M., Eng. Typ. 50 W.P.M.
24.	Shri Sanjay Saraf	Stenographer SG-II (PA to Director)	M.A. (Public Administration) Eng. Shorthand 100 W.P.M., Eng. Typ. 50 W.P.M., Marathi & Hindi Typ. 40 W.P.M., MS-CIT
25.	Shri D.K.Vairagade	Stenographer SG-II	H.S.S.C.,B.Com., Eng. Shorthand 80/100 W.P.M., Eng. Typ. 40 W.P.M.
26.	Shri M.G. Chakradhare	Stenographer SG-II	S.S.C., Eng. Shorthand 100 W.P.M., Eng. Typ. 40 W.P.M.
27.	Shri D.B. Pillewan	Superintendent	B.Com. , Eng. Typ. 40 W.P.M.,
28.	Shri S.K. Singh	Tech. Assistant	B.E.(Electrical & Electronics)
29.	Ms. Nirmala Desouza	Tech. Assistant	B.Sc. (Pcm) ,M.Sc. (Physics), Ph.D. - 2015 (Manit)
30.	Ms. Krutika Dhawle	Tech. Assistant	B.Tech. (Instrumentation)
31.	Shri T.N. Kumar Reddy	Tech. Assistant	B.Tech. (Civil) - 1st Div.
32.	Shri S.R. Tarnikanti	Tech. Assistant	Diploma In Civil -, B.E. Civil - 2013
33.	Shri Shrawan Kumar	Jr. Engineer (Electrical)	B.Tech. (Electrical) -
34.	Shri S.B. Mohite	Tech. Assistant	Diploma In Elect. Engg. - B.E. (Elect. Engg.) - M.B.A. - 2013
35.	Shri Sonvir Singh	Tech. Assistant	B.Tech. Elect. & Electronics -
36.	Shri A.B. Pore	Jr. Engineer (Civil)	B.Tech. (Civil) -
37.	Shri S.V. Choudhari	Tech. Assistant	B.E. Mechanical - 2010, M.Tech. -
38.	Shri Rajikshah Chandshah	Tech. Assistant	M.Sc.(Physics) - M.Phil.(Physics) - B.Ed. -
39.	Ms. A.N. Vaidya	Tech. Assistant	B.Sc. (Pcm) (M.Sc. (Phy.) B.Ed. (Maths, Phys.) -
40.	Shri J.K. Raikwar	Tech. Assistant	B.Sc. - 2009 Mlisc. 2011 Blisc - 2010

Sr. No.	Name & Designation	Designation	Educational Qualifications
41.	Shri R.C. Durge	Superintendent	Diploma In Comp. Technology -, B.E. (Computer Technology) -, P.G. Diploma In Digital & Cyber Forensic
42.	Shri K.V. Devarkonda	Superintendent	Be.(Information Tech.)
43.	Ku. R.M. Rakhunde	Superintendent	M.Sc.(Chemistry) - Ph.D. (Chemistry)
44.	Shri H.L. Ambekar	Superintendent	B.Com., Mba, M.Com..
45.	Ku. M.B. Lamsoge	Superintendent	B.Sc. - ,M.Sc. (Env. Sci)

Newly Joined Non Teaching Staff GROUP B (2016-2017):- NIL

7.8 Non Teaching Staff GROUP “C” (2016-2017):-

Sr. No.	Name & Designation	Designation	Educational Qualifications
1.	Shri R.G. Dixit	Technician SG-II	S.S.C,National Apprenticeship Certificate (Boiler Attendant.) Eng. Typ. 30 W.P.M.
2.	Shri V C Bhujade	Technician SG-II	S.S.C., I.T.I. (Diesel Mech)
3.	Shri N.D. Suryawanshi	Pharmacist	Diploma In Pharmacy , B.Com .
4.	Smt V.A. Patankar	Lab. Asst. SG-II	S.S.C,Diploma In Metallurgy
5.	Shri S.R. Kulavi	Lab. Asst. SG-II	SSC ,Typ-30 Wpm,
6.	Shri S.P. Sahasrabudhe	Technician SG-II	S.S.C, Diploma In Civil Engg., Ms- Cit
7.	Shri K.B. Thakre	Technician SG-II	Diploma In Electrical Engg. B.E. Part Time (Electrical Engg.)
8.	Shri P.B. Gawali	Technician SG-II	H.S.S.C,Diploma In Electronics & Comm. Engg., Certificate Course In Information Technology, Computer Harware & Basic Networking
9.	Shri S.T. Zade	Sr. Lab. Asst.	H.S.S.C, I.T.I. (Machinist Grinder -, Eng. Typ. 40 W.P.M.
10.	Shri Y.G.Ghonge	Sr. Lab. Asst.	S.S.C.,, I.T.I. (Turner)
11.	Shri N.N. Bhondale	Sr. Work Asst.	VI th Passed
12.	Shri S.P.Dhapade	Work Asst. SG-II	Holding Licence Of Plumbing Works
13.	Smt.B.A.Khadsinge	Sr. Work Asst.	H.S.S.C., Diploma In Telephone Operator Cum Receptionist M.A. Hindi
14.	Smt M.D. Jawale	Sr. Lab. Asst.	S.S.C.

Sr. No.	Name & Designation	Designation	Educational Qualifications
15.	Shri R.N. Dhabarde	Lab. Asst. SG-II	S.S.C., I.T.I.(Sheet Metal Worker), I.T.I. (Welder)
16.	Shri M.D. Katole	Sr. Lab. Asst.	S.S.C.
17.	Shri P.D. Jaronde	Lab. Asst. SG-II	M.Sc. , Adv. Diploma In Computer Software System Analysis & Applications
18.	Shri S.P. Mashankar	Sr. Lab. Asst.	B.Sc. , Computer Operation
19.	Shri K.M. Manapure	Sr. Lab. Asst.	H.S.S.C., I.T.I. (Console Operator Cum Programmer Asst.), Typing Eng. 40 W.P.M.
20.	Shri C.K. Bhoyar	Sr. Lab. Asst.	B.Sc.
21.	Shri S.N.Junghare	Sr. Lab. Asst.	B.Sc. , I.T.I. (Data Preparation Asst.), M.A.
22.	Shri U.D. Sukhdeve	Lib. Asst. SG-II	Certificate Course In Library, B.A. , B.Lib,
23.	Shri M.D. Jaiswal	Sr. Lib. Asst.	B.Com., Lib. Sci. Course, B.Lib. , M.Lib.
24.	Shri.A.A. Kshirsagar	Sr. Lib. Asst.	B.Com. , Library Science, Eng. Typ. 40 W.P.M.
25.	Smt. S.V. Potdar	Sr. Lib. Asst.	B.Sc. , M.A., Mlisc , Ms-Cit
26.	Shri V.K.Mendhe	Sr. Work Asst.	S.S.C., Lmv & Hpmv Holder, Eng. Typ 40 W.P.M.
27.	Shri S.P. Dupare	Sr. Work Asst.	S.S.C., Pump & Elect. Motor Repairing Exam Passed, D.T.P., Eng. Typ. 30 W.P.M.
28.	Smt.Seema.Naikwade	Sr. Lab. Asst.	B.Sc. , Eng. Typ. 40 W.P.M., Pg Diploma In Business Prof. Programmer
29.	Shri S.M.Bhende	Lab. Asst.	H.S.S.C, I.T.I. (Dpcs), B.Com. , Mirpm
30.	Shri P.S. Kubade	Sr. Lab. Asst.	B.Sc. , I.T.I. (Data Preparation Asst.)
31.	Shri A.D. Pendam	Assistant SG-II	S.S.C.(Pass), Certificate Course In Social Work, Eng. Typ. 40 W.P.M.
32.	Shri.R.D.Pathak	Assistant SG-II	B.Com. , Certificate Course In Library Sci.,
33.	Shri M.M.Dikwar	Assistant SG-II	H.S.S.C., Eng. Typ 40 W.P.M.
34.	Shri S.S.Palasmode	Sr. Assistant	H.S.S.C., Eng. Typ 40 W.P.M.
35.	Shri V.S.Warhekar	Sr. Assistant	S.S.C., Eng. Typ. 40 W.P.M.
36.	Shri P.D. Pawar	Sr. Assistant	H.S.S.C Passed, Typ. 40 Wpm
37.	Shri V.N. Mahalle	Assistant SG-II	B.Com. , Shorthand 80 W.P.M., Eng. Typ. 50 W.P.M., Hindi & Marathi Typ. 40 W.P.M.
38.	Shri B.V.Borkar	Sr. Assistant	B.A. Eng. Typ. 40 W.P.M.
39.	Shri A.P.Thakur	Sr. Assistant	S.S.C.

Sr. No.	Name & Designation	Designation	Educational Qualifications
40.	Shri D.R.Bharwani	Assistant SG-II	M.Com., Wave Certificate In Fin. Accounting, Ms-Cit, Eng. Typ. 40 W.P.M.
41.	Shri S.S.Lawrence	Assistant SG-II	B.Com. , Eng. Typ. 40 W.P.M.
42.	Shri Y.U. Sontakke	Assistant SG-II	B.Com. , M.S.W. , Eng. Typ. 40 W.P.M.
43.	Smt. Jayshree D. Adane	Jr. Assistant	B.Com, B.Lib., Diploma In Telephone Optr., Mscit, Eng. Typ. 40 Wpm, M.Com.
44.	Shri N.L. Dhawale	Sr. Assistant	B.Sc., Diploma In Computer Operation ,Post B.Sc. Diploma In Computer Sci.
45.	Shri S.M. Bansod	Sr. Assistant	B.Sc., B.Ed., Ms-Cit., Eng. Typ. 40 W.P.M.
46.	Ms. Rajni Pillai	Sr. Assistant	H.S.S.C. , B.Sc., Ms-Cit
47.	Ms. Mangala R. Kavarati	Sr. Assistant	M.Com., B.Ed., Tally, Ms-Cit, Eng. Typ. 40 W.P.M.
48.	Shri A.A. Meshram	Sr. Assistant	H.S.S.C. B.Sc. (M.Sc. Ms-Cit, Eng Typ 40 W.P.M.
49.	Smt. N.P. Jaronde	Sr. Assistant	H.S.S.C. , B.Sc., Diploma In Ms Office, Ms-Cit, Eng. Typ. 40 W.P.M., M.A.(Public Administration)
50.	Smt. C.C. Alexander	Sr. Assistant	H.S.S.C. , B.Com., M.Com. , Ms-Cit
51.	Ms. P.L. Uikey	Sr. Assistant	H.S.S.C. , B.A.(English), Ms Office, D.T.P., Ms-Cit
52.	Shri D.M. Gautam	Lab. Assistant	B.Sc. ,M.Sc. (Chemistry) , M.Phil. (Chemistry) -
53.	Smt. S.N. Saundarkar	Lab. Assistant	B.Sc. , D.Pharmacy
54.	Smt. R.V. Thakre	Technician	Diploma In Electronics & Telecommunication Engg.
55.	Shri D.M. Thakur	Technician	Diploma In Chemical Engg.
56.	Shri Binaya Kumar Kar	Technician	10th , ITI
57.	Shri J.J. Bhelkar	Technician	Diploma In Electronics & Com. Engg. , B.E. (Electronics) , M.A (Public Administration)
58.	Shri J.M. Khande	Lab. Assistant	Diploma In Electronics & Comm
59.	Shri U.P. Shende	Technician	10th , Diploma In Electrical Engg.
60.	Shri C.N. Burange	Lab. Assistant	B.Sc.(PCM) , MSCIT
61.	Shri G.R. Navnage	Technician	Diploma (Mech. Engg.) , B.E. (Mech. Engg.)
62.	Shri S.D. Ramteke	Technician	Diploma (Mech. Engg.) ,B.E. (Mech. Engg.)
63.	Shri O.D. Sirsam	Technician	12th ,ITI (Fitter)

Sr. No.	Name & Designation	Designation	Educational Qualifications
64.	Shri P.R. Jamkar	Jr. Assistant	B.Sc. (Chemistry) , Diploma In Office Automation, Typing English 40 Wpm, Hindi 30wpm, Marathi 30 Wpm
65.	Smt. S.S. Jalgaonkar	Jr. Assistant	B.Sc. (PCM) , MCM , PGDCCA , Typing Eng. 40 Wpm, Marathi 30 Wpm, Hindi 30 Wpm
66.	Shri N.N. Golait	Jr. Assistant	B.Com.(Computer Application), Typing Eng. 40 Wpm, Marathi 30 Wpm, M.B.A.(Finance & Hr)
67.	Shri R.A. Vishwakarma	Jr. Assistant	BCA , ITI
68.	Smt. R.S. Barapatre	Jr. Assistant	B.Com. , M.Com., PGDCCA- ,MCM
69.	Ku. L.S. Kalambhe	Jr. Assistant	B.Sc., MCM , PGDCCA
70.	Shri S.N. Bhute	Jr. Assistant	BCA , M.Sc. (Computer Science)

Newly Joined Group C Staff - NIL

7.9 Supporting Staff

Sr. No.	Name	Department
1	Shri. Ashok S. Wagh	Academic
2	Shri. Suresh Vasant Kanpate	Administration
3	Shri. Madan R Gour	Applied Mechanics
4	Shri. Raju K Wankhede	Applied Mechanics
5	Shri. Satish O Dambelkar	Arch.& Planning
6	Shri. Indragopal C Chaturvedi	Arch.& Planning
7	Smt. Gauri B Gour	Arch.& Planning
8	Shri. Deepak G Kalbande	Chemical Engineering
9	Shri. Bhimrao R Bhiogade	Chemistry
10	Shri. Shankar K Atagare	Chemistry
11	Shri. Kishor S Chimote	Civil Engineering
12	Shri. Chatrapati R Bhakre	Civil Engineering
13	Shri. Prakash B Shende	Civil Engineering
14	Shri. Baliram N Bhoyar	Computer Centre
15	Shri. Avi P Raul	Computer Science And Engineering
16	Smt. Pratibha P Paunekar	Computer Science And Engineering
17	Smt. Munnibai S Jadhav	Computer Science And Engineering
18	Shri. Prabhakar T Bante	Electrical Engineering

Sr. No.	Name	Department
19	Shri. Sanjay D Sahakate	Electrical Engineering
20	Shri. Tekchand F Gour	Electrical Engineering
21	Shri. Arun P Nandagawali	Electrical Maintenance
22	Shri. Mukesh Dagor	Electrical Maintenance
23	Shri. Baba S Dule	Electronics Engineering
24	Shri. Balkrishna M Jagnade	Electronics Engineering
25	Shri. Waman M Gotmare	Electronics Engineering
26	Shri. Kamalkishor R. Reddy	Establishment & Adm.
27	Shri. Suresh Kawduji Bhoyar	Establishment & Adm.
28	Shri. Prem Shambhunath Tiwari	Establishment & Adm.
29	Shri. Babulal C Yadav	Establishment & Adm.
30	Shri. Sanket B Mitkari	Establishment & Adm.
31	Shri. Chandramouli V Matangi	Establishment & Adm.
32	Shri. Kiran S Ramteke	Estate Maintenance
33	Smt. Shashikala S Thakur	Examination
34	Shri. Vinod B Landge	Guest House
35	Smt. Seema S Donadkar	Hostel
36	Smt. Latabai Deorao Waghmare	Humanities
37	Shri. Narendrakumar H Mishra	Library
38	Shri. Sanjay S Gadhave	Library
39	Shri. Ramjivan S Dube	Mathematics
40	Shri. Ajaykumar D Das	Mechanical Engineering
41	Shri. Ashok H Dhote	Mechanical Engineering
42	Shri. Vinayak D Dhore	Mechanical Engineering
43	Smt. Varsha J. Choudhari	Metallurgical Engineering
44	Shri. Raju S Sahare	Metallurgical Engineering
45	Shri. Umesh V Gedam	Metallurgical Engineering
46	Shri. Rahul R Dupare	Mining Engineering
47	Shri. Satyanarayan R Dubey	Mining Engineering
48	Shri. Rameshwar D Uike	Physics
49	Shri. Rajbhor B Choube	Physics
50	Shri. Chandrashekhar S Hiwarkar	Physics
51	Shri. Shriram P Gaidhane	Sanitary
52	Shri. Gulab K Masram	Sanitary
53	Shri. Dyaneshwar S Surjekar	Security
54	Shri. Tilak Bahadur H Thapa	Security
55	Shri. Gangaram B Neware	Security
56	Shri. Ramsumer Patel	Security
57	Shri. Nilkhant M Mohurle	Security
58	Shri. John Micheal David	Security
59	Shri. Diwakar N Ingle	Security

Sr. No.	Name	Department
60	Shri. Namdeo L Tumdam	Security
61	Smt. Sevantabai P Bharde	Store
62	Shri. Sunil B Lahariya	Training & Placement
63	Shri. Suresh M Pannase	Training & Placement
64	Shri. Vinod C Waghmare	Workshop (Mech.Engg.)
65	Shri. Prabhakar O Gaikwad	Workshop (Mech.Engg.)
66	Shri. Vijay S Tabhane	Workshop (Mech.Engg.)
67	Shri. Shivanand P Bhardwaj	Workshop (Mech.Engg.)
68	Smt Ashwini Chachane	Health Centre,

Newly Joined Supporting Staff (2016-2017):- NIL

7.10 Pay Band of Teaching Staff

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

7.11 Pay Band of Non Teaching Group “A” Staff Position

Sr. No	Category	Scale And Grade Pay	Sanctioned Posts	Staff in Position	Vacant Post
1	Registrar	(15600-39100) GP Rs 10000	1	0	1
2	Dy. Registrar	(15600-39100) GP Rs 7600	4	4	0
3	Asst. Registrar	(15600-39100) GP Rs 5400	6	5	1
4	Librarian	(15600-39100) GP Rs 10000	1	1	0
5	Dy. Librarian	(15600-39100) GP Rs 8000	1	0	1
6	Asst. Librarian	(15600-39100) GP Rs 6000	1	1	0
7	Principal Technical Officer	(15600-39100) GP Rs 7600	2	0	2
8	Sr. Scientific/Technical/SAS Officer	(15600-39100) GP Rs 6600	3	2	1
9	Scientific/Technical Officer	(15600-39100) GP Rs 5400	9	6	3
10	Executive Engineer	(15600-39100) GP Rs 6600	1	1	0
11	Assistant Ex. Engineer	(15600-39100) GP Rs 5400	2	0	2
12	Sr. Medical Officer	(15600-39100) GP Rs 7600	1	1	0
13	Medical Officer	(15600-39100) GP Rs 5400	1	1	0
Total			33	22	11

7.12 Pay Band of Non teaching Staff (Group B and Group C)

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	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
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 +		01		00	01	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	
	4600											
11.	Assistant Engineer 9300-34800 + 4600		02		02	00	01	00	00	00	00	01
12.	Sr. SAS Assistant 9300-34800 + 4600		00		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	00	01	01
15.	Tech. Asst. (Library) 9300-34800 + 4200		01		01	00	00	00	00	00	01	00
16.	SAS Assistant 9300-34800 + 4200		00		00	00	00	00	00	00	00	00
17.	Staff Nurse 9300-34800 + 4200		00		00	00	00	00	00	00	00	00
Technical Staff (Lower Cadre)												
18.	Technician (SG-II) 9300-34800 & 5200-20200 + 4600, 4200, 2800	57	05	27	05	00	02	00	00	01	02	
19.	Technician (SG-I) 9300-34800 + 4200		00		00	00	00	00	00	00	00	00
20.	Lab. Asst. (SG-I) 9300-34800 + 4200		00		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
21.	Work Asst. (SG-I) 9300-34800 + 4200		00		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, 4200		05		04	01	02	00	00	03	00
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		00		00	00	00	00	00	00	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	08	32	07	01	02	01	00	02	03
30.	Work assistant 5200-20200 + 2000		00		00	00	00	00	00	00	00
31.	Lib. / Lab. 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)												
32.	Superintendent (SG-I) 9300-34800 + 5400	06	00	06	00	00	00	00	00	00	00	
33.	Superintendent (SG-II) 9300-34800 + 4800		00		00	00	00	00	00	00	00	00
34.	Senior Superintendent 9300-34800 + 4600	09	00	04	00	00	00	00	00	00	00	
35.	Stenographer (SG-II) 9300-34800 + 4600		04		03	01	01	00	00	00	00	03
36.	Stenographer (SG-I) 9300-34800 + 4600		01		00	01	00	00	00	00	00	01
37.	Superintendent 9300-34800 + 4200	12	06	05	04	02	02	00	00	02	02	
38.	Accountant 9300-34800 + 4200		00		00	00	00	00	00	00	00	00
39.	Jr. Hindi Translator 9300-34800 + 4200		00		00	00	00	00	00	00	00	00
40.	Security Officer 9300-34800 + 4200		01		01	00	00	00	00	00	00	01

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 (Lower Cadre)											
41.	Assistant (SG-I) 9300-34800 + 4200	13	00	06	00	00	00	00	00	00	00
42.	Assistant (SG-II) 5200-20200 + 2800, 4200		07		07	00	01	01	00	02	03
43.	Senior Asst. 5200-20200 + 2400, 2800	19	14	05	08	06	04	04	00	04	02
44.	Junior Asst. 5200-20200 + 2000	26	07	19	04	03	00	00	00	03	04
	Total	286	115	171	88	27	26	10	02	39	38

7.13 Staff Retired/Resigned/Expired during the year

7.13 A Facult Members

Sr. No.	Name	Designation	Date of Departing and Reason
1	Dr. Sudhir Ramkrishna Bhide	Professor	30.09.2016 AN Stands Retired Voluntarily
2	Dr. N.V. Deshpande	Professor	31.01.2017 AN Superannuation
3	Dr. Smt. Alpana Rajendra Dongre	Professor	25.03.2017 Expired

7.13 B Group “A” Staff Members

Sr. No.	Name	Designation	Date of Departing and Reason
1	Dr. Devidas H Maiske	Principal Technical Officer	31.07.2016 AN Superannuation
2	Shri Ashutosh Tiwari	Technical Officer	29.10.2016 AN Resigned
3	Shri. Vivek Jagdish Abhyankar	Sr. Technical Officer	31.03.2017 AN Superannuation

7.13 C Group “C” Staff Members

Sr. No.	Name	Designation	Date of Departing and Reason
1	Shri D.K. Pise	Technician SG-II	Retired On 30.04.2016
2	Shri M.R. Nagpure	Sr. Assistant	Retired On 30.04.2016
3	Shri V.R. Barai	Technician SG-II	Retired On 30.06.2016
4	Shri J.K. Chopde	Work Asst. SG-II	Retired On 30.09.2016
5	Shri R.B. Wakalkar	Trainee Jr. Asst.	Discontinued On 21.10.2016
6	Shri Sudhir Kumar	Work Asst.	Resigned On 27.11.2016
7	Shri S.W. Suryawanshi	Sr. Asst. (Security)	Retired On 30.11.2016

7.13 D Supporting Staff Members

Sr. No.	Name	Designation	Date of Departing and Reason
1	Shri Govind S. Ambalwar	Supporting Staff	Retired On 31.01.2017

7.14 Faculty with administrative responsibility

Sr. No.	Name	Designation
1.	Dr.Narendra Chaudhary	Director
2.	Dr. S.R. Sathe, Professor in Comp.Sc. and Engg. Dept.	Registrar
3.	Dr. R.R. Yerpude, Professor in Mining Engg. Department	Dean (P & D)
4.	Dr.P.M. Padole, Professor in Mechanical Engineering Department	Dean(Faculty Welfare)
5.	Dr. Animesh Chatterjee, Professor in Mechanical Engg. Dept.	Dean (R & C)
6.	Dr.V.K. Deshpande, Professor in Physics Dept..	Dean (Acad.)
7.	Dr. V.B. Borghate, Professor in Electrical Engg. Dept.	Dean (Students Welfare)
8.	Dr. Jatin bhatt, Associate Professor in Metallurgical & Materials Engg. Dept.	Professor (T & P)

Sr. No.	Name	Designation
9.	Dr. Anirban Mandal, Associate Professor in Civil Engg. Dept.	Asso.Dean, Civil Work
10.	Dr. V. S. Kale, Associate Professor in Electrical Engg. Dept.	Asso.Dean(Electrical Work)
11.	Dr. Sachin Bakre, Associate Professor in Applied Mechanics Department	Asso. Dean(Procurement & Stores)
12.	Dr.P.S. Kulkarni, Associate Professor in Electrical Engg. Dept.	Asso. Dean(Exam)
13.	Dr. K. D. Kulat, Professor in Electronics Engineering Department	Asso. Dean(Education Technology and Library)
14.	Dr. Manish Kurhekar, Associate Professor in Computer Science	Asso.Dean (Information Technology, MIS, Network & Website)
15.	Dr. Yogesh Deshpande, Associate Professor in Humanities Department	Asso. Dean. (Public Relation)
16.	Dr. B.S. Umare, Associate Professor in Electrical Engg. Dept.	Asso.Dean. (Hostel Affairs)
17.	Dr. P.P. Chakravarthy, Associate Professor in Mathematics Department	Asso.Dean. (Student Activities)
18.	Dr. V.R. Kalamkar, Associate Professor in Mechanical Engineering Department	Asso.Dean. (Industry Institute Interaction)
19.	Dr. K. M. Bhurchandi, Professor Electronics Engineering Department	Asso. Dean. (International Affairs)

7.15 Administrative staff

Sr. No.	Name	Designation
1	Ku. Meenakshi Bhaurao Bhivgade	Sr. Technical Officer
2	Smt. Madhuri Rajive Pimple	Sr. Technical Officer
3	Shri. Keju Gopalrao Barapatre	Executive Engineer
4	Shri. Vinayak Dadarao Ghuge	Technical Officer
5	Shri. Dharmesh Madhukar Parate	Deputy Registrar
6	Dr. Satyendra Marotrao Deshmukh	Deputy Registrar
7	Shri Kailas Natthuji Dakhale	Deputy Registrar
8	Shri. Ashok Ganpatrao Bhurle	Assistant Registrar
9	Smt. Anushree A Ansingkar	Assistant Registrar
10	Shri. Nikhil Baburao Chingalwar	Assistant Registrar
11	Shri. Rajnesh Medi Pandarinath	Assistant Registrar
12	Dr. Pankaj Shriram Dhule	Senior Medical Officer
13	Mrs. Poonam Manish Harode	Assistant Librarian
14	Mr. Vijendrasinh Pralhadsinh Thakur	Technical Officer
15	Shri Banothu Krishna Prasad	Technical Officer
16	Dr. Awadhesh Pratap Singh	Students Activity & Sports Officer
17	Shri Sachin Sudhakar Jagdale	Deputy Registrar
18	Dr. Riteshkumar Tukaram Motghare	Medical Officer
19	Shri Krishna Kumar Patel	Technical Officer
20	Shri Nikhil Vijay Naukarkar	Technical Officer
21	Dr. S.C. Kumaresan	Librarian
22	Shri Gautam Ramani	Assistant Registrar

7.16 Staff deputed/sponsored for Training and Learning

1. Shri Vinod Nistane, Assistant Professor, Mechanical Engineering Department, deputed to I.I.T., Roorkee for Ph.D. study under QIP Scheme for a period of 3 (Three) years from 08.07.2015 to 07.07.2018.
2. Shri K.N.Dakhale, DR(Stores & Exam) attended training on "Purchase Procedure & Contract Management "from 23-25 June 2016, at New Delhi.
3. Shri K.N.Dakhale, DR(Stores & Exam) attended one day workshop on Government e-marketplace for academic Institutions on 20.12.2016 at New Delhi.

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

Sr. No.	Name of employee	Deputed to	Period of deputation	Purpose
1	Shri S.L. Gadge	Bardoli, Gujarat	04.01.2017 to 09.01.2017	Workshop on Unnat Bharat Abhiyan by Suruchi Shikshan Vasahat Trust
2	Smt. V.A. Patankar	Bardoli, Gujarat	04.01.2017 to 09.01.2017	Workshop on Unnat Bharat Abhiyan by Suruchi Shikshan Vasahat Trust
3	Shri U.P. Shende	Bardoli, Gujarat	04.01.2017 to 09.01.2017	Workshop on Unnat Bharat Abhiyan by Suruchi Shikshan Vasahat Trust
4	Shri M.D. Jaiswal	Sindhurg	06.01.2017 to 09.01.2017	To participate in 7th open swimming competition organized by Sindhurg District Aquatic Association
5	Shri U.P. Shende	Aurangabad	06.10.2016 to 29.10.2016	To attend Short Term Course on "Automation using PLC and Pneumatics" organized by IGTR (Indo-German Tool Room) MSME Aurangabad
6	Shri M.D. Jaiswal	Wardha	27.08.2016 to 28.08.2016	To participate in Swimming Competition organized by Maharashtra State Veterans Aquatic Association
7	Shri H.L. Ambekar	New Delhi	01.09.2016 to 03.09.2016	To attend Workshop on "VIIth Central Pay Commission Report Pay Fixation under FRs, Fixation of Pay of Re-employed Pensioners, Regulation of pay in Ex-cadre posts, impact of penalties on pay and MACPS" organized by Integrated Institute of Management & Training
8	Shri G.B. Todase	Shraddhanandpeth, Nagpur	11.07.2016 to 30.07.2016	To attend Advanced Vocational Training Programme on CNC Control and Basic Programming to be held in Advanced Vocational Training System
9	Shri P.R. Jamkar	New Delhi	04.04.2016 to 07.04.2016	To attend training programme on pension and other retirement benefits in ISTM New Delhi
10	Mrs. Vijaya S. Deshmukh	NIESBUD Ministry of Skill Development GOI	30.04.2016 to 01.05.2016	"Solar Energy" emphasizing on Introduction to solar PV and Designing on Solar PV Power Project



Ph.D. Programs (Ongoing Ph.Ds)

8. ONGOING Ph.D's

8.0 Ongoing Ph.D. Programmes (2016-17)

APPLIED MECHANICS

Sr. No.	Thesis Topics	Name of Scholar	Supervisor(s)	Date of Registration
1	Tuned Mass Dampers for Vibration control	Vikas Thakur	Dr. O.R.Jaiswal	Jan 2013
2	Seismic Response of Elevated water Tanks	Suraj Lakhade	Dr. O.R Jaiswal Dr. Ratnesh Kumar	July 2013
3	Dynamics of Railway Tracks	Harshad Phadke	Dr O.R Jaiswal	Jan 2015
4	An Experimental and Analytical Study on Previous Concrete	Ashgaque Ansari	Dr. M. M. Mahajan	July 2014
5	Seismic Response control of building using supplement devices	Atulkumar A Manchalwar	Dr. S. V. Bakre	July 2013
6	Prevention and Protection of base isolated structures to blast induced vibrations	Mohd. Zain Kangda	Dr. S .V.Bakre	July 2015
7	Protection of rebar wrapping life cycle protection	Prashad Bahekar	Dr. S. S. Gadve	July 2013
8	Seismic Performance Assessment of corroded Reinforced Concrete structures	Smita Chande	Dr. S .S .Gadve	Jan 2015
9	Cathodic Protection of RC Structures: A Case Study	Nassiruddin Haris	Dr. S. S .Gadve	Jan 2016
10	Seismic Behaviour of RC Beam-Column Joint	Kanak N. Parate	Dr. Ratnesh Kumar	July 2013
11	Seismic Performance and Vulnerability Assessment of Elevated Service Reservoir	SurajLakhade	Dr. O. R. Jaiswal, Dr. Ratnesh Kumar	July 2013
12	Study of Cold-Formed Sections	Sanjay U. Marjive	Dr. Ratnesh Kumar, Dr. L. M. Gupta	Jan 2014
13	Effect of Modelling Assumptions on Seismic Performance of RC Buildings	Kumbhar Onkar G.	Dr. Ratnesh Kumar	July 2015
14	Investigation on species of bamboo- as an alternate reinforcement to concrete	Pankaj Mali	Dr.Debarati Datta	Jan 2015
15	Estimation of Park-Ang damage index for moment resisting steel frame	Samyak Parekar	Dr.Debarati Datta	July 2015

Sr. No.	Thesis Topics	Name of Scholar	Supervisor(s)	Date of Registration
16	Performance indicators for structural members – a reliability based approach	Anadee Kulkarni	Dr. Debarati Datta	Jan 2016
17	Study of Dynamic Soil-Structure Interaction	Anand Gharad	Dr. R. S. Sonparote	July 2013
18	Soil Structure Interaction Analysis of Prestressed Precast Concrete Pavement	Ameen Syed	Dr. R. S. Sonparote	Jan 2015
19	Dynamic wind response of tall building using artificial neural network	Trupti Nikose	Dr. R. S. Sonparote	July 2015
20	Development of Computer Aided learning tools for Structural Dynamics and Earthquake Engineering	Suryakant Mahajan	Dr. R. S. Sonparote	July 2016
21	Experimental & Analytical Evaluation of Slab (Plain & SFRC) on various sub-bases	Rameshwar Vishwakarma	Dr. R. K. Ingle	July 2013
22	Investigation on Raft Foundation under seismic condition	Sushilkumar Magade	Dr. R. K. Ingle	Jan 2015
23	Seismic behaviour of irregular buildings	Minakshi Landge	Dr. R. K. Ingle	July 2015
24	Behavior of Flat Slab Under Static and Dynamic Loadings	Sanjay Borghate	Dr. R. K. Ingle	July 2010
25	Buckling Analysis of pre-stressed steel Beam	Ashish Khatri	Dr. L. M. Gupta	Jan 2011
26	Behavior of Hybrid Steel Girders Using HPS under various Loading	Abhay Kulkarni	Dr. L. M. Gupta	Jan. 2013
27	Behaviour of tension member under various condition	Jagdish Dhanushkar	Dr. L. M. Gupta	Dec 2015
28	Critical Response of beams with web openings	Rujuta Bhat	Dr. L. M. Gupta	Dec 2015

ARCHITECTURE AND PLANNING

Sr. No.	Thesis Topic	Name of Scholar	Supervisor (s)	Date of Registration
1.	Interpreting Symbolism Medieval Hindu Temple Through Fractal Geometry	Tanisha Dutta	Dr. V. S. Adane	July 2013
2.	Day lighting for low rise residential building	Trupti Dabe	Dr. A.R. Dongre	July 2013
3.	Insight into urban complexity	Rajesh Sawarkar	Dr. A. P. Patil	July 2015
4.	Study of impact of Indian smart cities on affordable housing	Vinod Singh Parmar	Dr. V. K. Bakde	July 2015
5.	Formulation of criteria for selection of mode of public transport in India	Nitin Lambat	Dr. V. S. Kapse Dr. C. S. Sabnani	Jan 2015
6.	Accessibility in compact cities	Yenisetty Pavan Teja	Dr. P. N. Bahadure	July 2016
7.	Assessing the impact of goods movement on the transport demand in the city of Nagpur	Arundeeep Shambhoji	Dr. C.S.Sabanani	July 2015
8.	Architectural knowledge system approach to sensescape	Kalyani Wankhede	Dr. A.K.Wahurwagh	July 2016
9.	Socio ecological systems approach for gaining disaster risk resilience in coastal region in India	Shruti Dakey	Dr. S.M.Deshkar	July 2015
10.	Conservation and restoration of water resources in urban area-Indian Context	Reshma Vilasan	Dr. V. S.Kapse	July 2015
11.	Investigation of socio behavioral sustainability in campuses of centrally funded educational institutes in India	Pushpal N. Gupta	Dr. S. H. Khan	July 2015
12.	Planning Interventions to Mitigate Urban Heat Island Effect	Anurag Bagde	Dr. R.S.Kotharkar	Jan 2016
13.	Investigation of Urban Sustainability – A case of Nagpur	Anusha Pallapu	Dr. R.S.Kotharkar	July 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor (s)	Date of Registration
14.	Study of Precinct's in Urban Area Under Transformation	Amit M. Deshmukh	Dr. V.S. Adane	July 2011
15.	Thermal Performance of Urban Street Canyon	Sumita Sardesai	Dr. R. S. Kotharkar	July 2011
16.	Urban Mobility	Surashmi Gawande	Dr. V. S. Adane	Jan 2013
17.	A methodological framework to evaluate the children play spaces in cities of India: case study Nagpur	Kirti Bhonsle	Dr. V. S. Adane	July 2011
18.	Innovation method to give creative thrust in architecture design studio	Purva Mange	Dr. V. S. Adane	Jan 2011
19.	Contextual Analysis of Built Environment Derivation of Logical Framework for Contextual Design Approach in Indian Scenario	Neeta Lambe	Dr. A. R. Dongre	June 2011

CHEMISTRY

Sr. No.	Topic	Name of Scholar	Supervisor(s)	Date of Registration
1	Development of hetro-sructure for photo catalytic application	Ashok G. Shende	Dr. S.S. Umare	July 2014
2	Development of g-C ₃ N ₄ based composites for the application of photo catalysis and organic transformation	Vidyasagar Devthade	Dr. S.S. Umare	July 2015
3	Studies on development of heterogeneous Catalyst for Biodiesel Production and other applications	Raju Dutta	Dr.J.D.Ekhe, Dr. S. A. Mandavgane	July 2011
4	Depolymerization of Industrial Waste Lignin	Dayaram Tulsiram Sarve	DR. J. D. EKHE	Jan 2016
5	Evaluation of some Emerging contaminants from Aqueous Matrix	G. Archana	Dr.Anupama Kumar Dr. Rita Dhodapkar	Jan 2013
6	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)	Date of Registration
7	Nanocomposites for Environmental applications	Ranjita Das	Dr. Anupama Kumar Dr. Atul Wankhade	July 2016
8	Physicochemical Characterization Of Potential Bioinorganic Small and Macromolecules in Biomimetic Nano-Environments	Manojkumar Jadhao	Dr. Sujit K. Ghosh Dr. Chayan Das	Jan 2013
9	Design, Synthesis and Physicochemical Studies Of Potential Therapeutic Bio-organic Compounds	Ritika Joshi	Dr. Sujit K. Ghosh	Jan 2013
10	Physicochemical Studies Of Bioactive Fluorophore in Micro-heterogeneous Media	Kapil Ganorkar	Dr. Sujit K. Ghosh	June 2016
11	Electrochemical sensing of some clinically active compounds	Rakesh R Chillawar	Dr. Ramani V. Motghare	July 2012
12	Studies on detection of Digoxin in serum samples.	Shirinaz I. Khan	Dr. Ramani V. Motghare	July 2013
13	Studies of Some Elastomeric Composites with Non-black Filler	Naresh Bansod	Dr. Chayan Das	July 2012
14	Designing of Nanostructured materials for Catalytic and photocatalytic applications	Swapnil Warkhade	Dr. Atul V. Wankhade	Jan 2016
15	Nanocomposites and their environmental Applications	Ranjita Das	Dr. Atul V. Wankhade Dr. Anupama Kumar	July 2016
16	Study of thermodynamic, transport and acoustic properties of some pharmaceutical compounds in aqueous solution at different temperatures	Doyel M. Bhattacharya	Dr. Sangesh Zodape	Jan 2015
17	Thermophysical properties of Ionic Liquids in Aqueous solutions at different temperatures	Dinesh V. Kawadkar	Dr. Sangesh Zodape	June 2014
18	Towards the development of nanobiocatalysis	Prabhakar Shrivastava	Dr. Umesh Pratap	July 2015
19	Structural Analysis Towards designing of new materials with understanding of intermolecular interactions	Keshab M. Bairagi	Dr. S.K. Nayak	July 2015

Sr. No.	Topic	Name of Scholar	Supervisor(s)	Date of Registration
20	Multifunctional materials for Environmental applications	Mary R. Louis	Dr. Sorokhaibam Laxmi Gayatri	July 2016

CHEMICAL ENGINEERING

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
1	Studies on development of heterogeneous catalyst for biodiesel production and other applications	Raju Dutta	Dr. J. D. Ekhe Dr. S.A. Mandavgane	July 2011
2	Study on PA6 nanocomposites	Ghanshyam Barman	Dr. S. S. Sonawane Dr. K. L. Wasewar	Jan 2012
3	Study on reactive separation	Kalpana Yeole	Dr. D. Z. Shende	July 2012
4	Polymer nanocomposites	Sarita Charde	Dr. S. S. Sonawane	Jan 2013
5	Study on separation processes	Chandrakant Khudsange	Dr. K. L. Wasewar	July 2013
6	Synthesis of carbon nanotubes, recovery of liquid hydrocarbons and hydrogen rich gases from plastic waste	Ganesh S. Bajad	Dr. R. P. Vijayakumar	Jan 2013
7	Carbon dioxide sequestration using ionic liquids	Pooja Jaiswal	Dr. M. N. Varma	July 2013
8	Study on microreactors and separation	Shyam P. Tekade	Dr. D. Z. Shende	Jan 2013
9	Adsorptive removal of some potent herbicides: comparative study using rice Husk ash (RHA) and bagasse fly ash (BFA)	Manisha Kamble	Dr. S.A. Mandavgane	Jan 2015
10	Experimental and computational studies on improved gasifier stoves	Pravin Sonarkar	Dr. A. S. Chaurasia	July 2014

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
11	Study on intensifying approaches for esterification reactions	Vishal S. Chandane	Dr. A. P. Rathod Dr. K. L. Wasewar	July 2014
12	Molecular dynamics simulations of self-assembly of nanostructured materials	Hrushikesh M. Gade	Dr. P. P. Wanjari	July 2015
13	Study on extractive columns	Anju Ingle	Dr. D. Z. Shende Dr. K. L. Wasewar	Jan 2015
14	Rheological studies of polymers	Rohit Lade	Dr. K. L. Wasewar Dr. D. R. Peshwe	July 2015
15	Study on nanofluids and critical heat flux	Nishant Kumar	Dr.S. S. Sonawane	Jan 2015
16	Biodegradation of polymers	Ashutosh Kumar Chaudhary	Dr. R. P. Vijayakumar	July 2016
17	Extractive fermentation with surfactants to enhance butanol production	Preety S. Gedam	Dr. Pradip B. Dhamole	Jan 2016
18	Advanced control of electrochemical power sources	Ashish Yewale	Dr. R. N. Methekar, Dr. S. G. Agrawal	June 2016
19	Heterostructured Janus nanoparticles consisting metal and metal oxides for catalytic applications	Prashil Narnaware	Dr.C.Ravikumar	July 2016
20	Advanced studies in crystallization of pharmaceutical compounds	Nitin Pawar	Dr. Shailesh Agrawal	July 2016
21	Study on waste water treatment using membrane process	Vijay A. Juwar	Dr. A. P. Rathod	Jan 2016
22	Sustainability studies in chemical engineering design	Saurabh Joglekar	Dr. Sachin Mandavgane	Jan 2016

CIVIL ENGINEERING

Sr. No.	Thesis Topic	Name of Scholar	Supervisor (s)	Date of Registration
1.	Reservoir operations using JAYA Algorithm	Vartika Paliwal	Dr A.D.Ghare Dr (Mrs) A.B. Mirajkar	July 2015
2	Development of sustainable technologies for natural resource conservation in residential buildings	R. S Bapat	Dr.R. V. Ralegaonkar Dr.V.A. Mhaisalkar	July 2011
3	Development of sustainable construction material using blended boiler ash	Shashi	Dr.R. V. Ralegaonkar	Jan 2015
4	Design and Development of Energy Efficient Urban Slum Housing Using Information Modeling	Hindavi Gavli	Dr.R .V. Ralegaonkar	July 2016
5	Numerical analysis of surface and sub-surface excavation	Tejas Bhatkar	Dr.A Mandal	July 2013
6	Seismic Behaviour of Underground Structure	Dhananjay K Singh	Dr.A Mandal	Jan 2015
7	Behaviour of unsaturated soil	Siva Ram Karumanchi	Dr.A Mandal	Jan 2016
8	Sustainable material for pavement construction.	N Siva Kumar	Dr. A Mandal	July 2016
9	Some studies on effect of particle size and grain morphology on sand properties.	Ashish AshwinKumar Mehta	Dr. A. Patel	Jan 2013
10	Interpretation of Bender Element Testings in soils	Ritesh Ingale	Dr. A. Patel Dr. A. Mandal	Jan 2015
11	Use of waste materials for sustainable bricks	Anant Lal Murmu	Dr. A. Patel	July 2015
12	Computation approach for prediction of soil properties	Ashwini Tenpe	Dr. A. Patel	Jan 2016
13	Utilization of Agro/Industrial Waste/s for Sustainable Building Material/s	Vasudha Katore	Dr. M. V. Madurwar	July 2016
14	Application of Geopolymer Fly ash sand in Concrete	Unnati Agarwal	Dr. S.P.Wanjari	July 2015
15	In-situ non destructive testing of Concrete	Sudheer Reddy	Dr.S.P .Wanjari	July 2015
16	Level of services of rural roads in vidharabha	Parimal Godse	Dr.V.S. Landge	July 2011
17	Development of a methodology for road traffic accident for AH 43	Bahuguna Dalai	Dr.V.S. Landge	July 2016

Sr. No.	Thesis Topic	Name of Scholar	Supervisor (s)	Date of Registration
18	Study of Node Flow Analysis for improved design of water distribution networks using Genetic Algorithm	M AH Abdy Sayyed	Dr. Rajesh Gupta	July 2010
19	Study of methods for Location of Monitoring Stations in Water Distribution Networks with application to intermittent water supply systems	Shweta Rathi	Dr. Rajesh Gupta	July 2011
20	Study of leakage reduction in water distribution systems through pressure management	R. D. Jadhav	Dr. Rajesh Gupta	July 2011
21	Integrated approach for drought mitigation & optimization of water resources	Saranya Nair	Dr.A B Mirajkar	Jan 2016
22	Optimal Design and layout of water distribution network for irrigation	Preeti Gajghate	Dr.A B Mirajkar	Jan 2016
23	Climate change effects on Rainfall for upper Godavari Basin	Soumya Gandhi	DrA B Mirajkar	July 2016
24	Spatial Correlation of Surface and subsurface hydrological parameters for basin development	Sarang Paranjape	Dr.M S Kadu Dr. Y.B.Katpatal	Jan 2012
25	Disaster management studies in Gondia District using Rs and GIS	D K Pandey	Dr.Y. B.Katpatal Dr.P .Kundal	July 2014
26	Watershed management using quantitative Parameters: A spatial approach	Chandan Singh	Dr.Y.B. Katpatal	July 2014
27	Impact assessment of global climate variability on water resource availability of Vena river basin in Vidarbha region using spatial approach.	Rishma C	Dr.Y. B. Katpatal	Jan 2015
28	Soil-Fluid-Structure Interaction for Hydraulic Structures	Aniket R. Tidke	Dr. Shrabony Adhikary	July 2016
29	Development of Composite Adsorbent for Defluoridation of Water	Sanghratna S. Waghmare	Dr. D. H. Lataye Dr. (Mrs.) Sadhana S. Rayalu	Jan 2011
30	Adsorptive Removal of Phenol from Aqueous Solutions using Low Cost Adsorbents	Ramakant S. Ingole	Dr. D. H. Lataye	July 2012

Sr. No.	Thesis Topic	Name of Scholar	Supervisor (s)	Date of Registration
31	Adsorptive Treatment of Dye Bearing Wastewater by using Low Cost Adsorbent	Tripti Balram Gupta	Dr. D. H. Lataye	Dec 2012
32	Removal of 4-Nitrophenol from Aqueous Solution by Low Cost Adsorbents	Prashant Tarachand Dhorabe	Dr. D. H. Lataye	Dec 2013
33	Microbially and /or chemically assisted structural amelioration of cementitious materials	Anuja U. Charpe	Dr. M. V. Latkar	July 2015
34	Feasibility Studies on Solar Disinfection (SODIS) of Grey wastewater	Isha Khedikar	Dr. A. R. Tembhurkar	July 2010
35	Development of Microbial Fuel Cell for Generation of Bioelectricity from Food Waste	Prachi Moharir	Dr. A. R. Tembhurkar	July 2014
36	Investigation of Self Healing Capability of Concrete with recycled Waste Materials Additive and Wastewater	Shekar Saxena	Dr. A. R. Tembhurkar	Jan 2015
37	Development of Adsorbent from Herbs, Barks and Roots for Deflouridation	Ajju George	Dr. A. R. Tembhurkar	July 2015

COMPUTER SCIENCE AND ENGINEERING

Sr. No.	Thesis Topics	Name of Scholar	Name Of Supervisor	Date of Registration
1.	Network Security	Mohit Gupta	Dr. N.S. Chaudhari	July 2014
2.	Mobile Communication & Network Security	Balu Parne	Dr. N.S. Chaudhari	Jan 2015
3.	Mobile Communication & Network Security	Sneha Kanchan	Dr. N.S. Chaudhari	Jan 2015
4.	Mobile Communication & Network Security	Jumde Amol Suresh Rao	Dr. N.S. Chaudhari	July 2015
5.	Mobile Computing	Shubham Gupta	Dr. N. S. Choudhari	Jan 2016
6.	Parallelization of Algorithms	Tausif Diwan	Dr. S. R. Sathe	Jan 2012
7.	Area – Parallel Computing	Madhuri R. Pimple	Dr. S. R. Sathe	July 2013
8.	Area – Parallel Processing	Shailendra W. Shende	Dr. S. R. Sathe	July 2013
9.	Parallel Computing & Networks	Swati Manekar	Dr. S. R. Sathe	Jan 2015
10.	Parallel Computing & Networks	Pikle Nileshchandra Kalbarao	Dr. S. R. Sathe	July 2015
11.	Issues in Sensor Networks	Padma Adane	Dr. O. G. Kakde	Jan 2012
12.	Software Architecture & Data Analysis	Abhijeet Thakre	Dr. P.S. Deshpande	Jan 2013
13.	Building Data Mining Model for Indian Economy	Swati Hira	Dr. P. S. Deshpande	Jan 2012

Sr. No.	Thesis Topics	Name of Scholar	Name Of Supervisor	Date of Registration
14.	Graph Mining Algorithms – Development & Applications	Atul Onkarrao Thakare	Dr. P.S. Deshpande	Jan 2013
15.	Genetic Algorithm for Network Flow Analysis	Anita Bai	Dr. P.S. Deshpande	Jan 2014
16.	Data Science For Iot	Rohit Ramkrishna Bhargav	Dr.P. S. Deshpande	Jan 2016
17.	Algorithms for target tracking in wireless sensor networks	Nishat Ansari	Dr. U. A. Deshpande	Jan 2012
18.	Task assignment in Distributed Real-Time Systems	Milind Pennurkar	Dr. U. A. Deshpande	Jan 2012
19.	Personalized & Geographic Information Retrieval	Mansi Radke	Dr. U.A. Deshpande	July 2012
20.	Bioinformatics	Kavita Kathe	Dr. U. A. Deshpande	Jan 2014
21.	Data Science & Data Mining	Parnika Paranjape	Dr. M.M. Dhabu	Jan 2015
22.	Data Science & Data Mining	Nitesh Funde	Dr. M.M. Dhabu	Jan 2015
23.	Data Science & Data Mining	Milind Anand	Dr. M.M. Dhabu	Jan 2015
24.	Mobile Communication & Network Security	Rohit Pachlor	Dr. Dipti Shrimankar	Jan 2015
25.	Parallel Computing & Networks	Umesh Balande	Dr. Dipti Shrimankar	Jan 2015
26.	Parallel Computing & Networks	Omprakash Tembhurne	Dr. Dipti Shrimankar	Jan 2015
27.	Mobile Communication & Network Security	Krishan Kumar	Dr. Dipti Shrimankar	July 2015
28.	Parallel Computing & Networks	Manish Paliwal	Dr. Dipti Shrimankar	July 2015
29.	Genome wide identification of cis regulatory elements and development of G-logo tool for genome logo representation.	Mendhe Prafulla Kailas	Dr. Dipti Shrimankar	Jan 2016
30.	Cloud Computing	Garima Singh	Dr. Dipti Shrimankar	Jan 2016
31.	Mobile Communication & Network Security	Ashwini Rahangdale	Dr. S.A. Raut	Jan 2015
32.	Bioinformatics & Systems Software	Richa Makhijani	Dr. S.A. Raut	Jan 2015
33.	Data Science & Data Mining	Abishi Chowdhury	Dr. S.A. Raut	July 2015
34.	Bio-Informatics & Data Mining	Ankush Mahadev Maind	Dr. S. A Raut	Jan 2016
35.	Data Science & Data Mining	Rimjhim Padam Singh	Dr. Poonam Sharma	July 2015
36.	Computer Vision	M.Krishna Siva Prasad	Dr. P. A. Sharma	Jan 2016
37.	Soft Computing	Jitendra Anandrao Madarkar	Dr. P. A. Sharma	Jan 2016
38.	Cloud Computing	Snehal Shinde	Dr.M.P. Kurhekar	July 2016

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
1	Islanding detection in Grid-Connected PV Systems	Nitin Kumar Kulkarni,	Dr.M.K.Khedkar	July 2016
2	Multiphase induction motor Drives	Sonali Rangari	Dr.H.M. Suryawanshi	July 2011
3	Integration of different Energy sources through soft switching converters	Shelas Satyan	Dr.H.M. Suryawanshi	July 2012
4	Developments of converter for renewable Energy sources	Snehal Pachpore	Dr.H.M. Suryawanshi	Jan.2013
5	Multilevel converter for grid connection	Amardeep Sitole	Dr.H.M. Suryawanshi	July 2013
6	Integration of high efficient inverter to Grid.	Girish Talapur	Dr.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	Dr. M V Aware	July 2011
8	DTC controlled of Multi-phase Induction Motor Drives	Yogesh Tatte	Dr.M V Aware	July 2012
9	Analysis and performance of dual-input dual output Z-source inverter for multiple induction motor drives	Gaurav Goyal	Dr.M V Aware	July 2012
10	Performance improvement by switching state optimization in three phase multilevel voltage source inverter using GA	Dinesh Wankhede	Dr.M V Aware	July 2012
11	DTC control of six phase (Asymmetrical)drives	Jay Pandit	Dr.M V Aware	July 2014
12	PTC control of Multi-phase Electrical Drives	Apkeshit Bhowate	Dr.M V Aware	July 2015
13	Grid connected EV charging through multi-phase induction motor.	Sohit Sarma	Dr.M.V.Aware	Jan 2015.
14	Some techniquefor minimization of VAR loading to improve Power Quality	R. J. Satputaley	Dr.V.B.Borghate	July 2010
15	Multilevel inverter topologies with reduced number of switches	K. Raghavendra Reddy	Dr.V.B.Bhorghate	July 2014
16	Multilevel inverter for Renewable Energy Application	Sidharth Sabyasachi	Dr.V.B.Bhorghate	July 2015
17	Multilevel converter of HVDC application	M. Santosh Kumar	Dr.V.B.Bhorghate	Jan 2016
18	Study of Optimization Techniques for Stability Constrained Optimal Power Flow.	Bhushan Y. Bagde	Dr.B. S. Umre	July 2011
19	Diagnosis of Incipient Fault Development in Transformer by Condition Monitoring.	Prasad A. Venikar	Dr.M. S. Ballal Dr.B. S. Umre	July 2012
20	Study and Design of Controller to Mitigate Sub-synchronous Resonance	Dhenukonda K. Raju	Dr.B. S. Umre Dr.A. S. Junghare	Jan 2014

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
21	Performance Enhancement of a Transformer in view of its Suitability in a Smart Grid Adopting the Technique of Square Wave Excitation for Considerable Saving in Core Cost	Sunil Mutha	Dr.B. S. Umre	Jan 2015
22	Some studies on small Grid –connected PV Systems	P. A. Salodkar	Dr.P.S.Kulkarni	July 2011
23	Some studies on Solar PV Water Pumping System	Manoj Mourya	Dr.P.S.Kulkarni	Jan 2013
24	Soft switching High power DC- DC converters	Naresh kumar reddy	Dr.M.R.Ramteke Dr.H.M. Suryawanshi	July 2014
25	Soft switching DC-DC converters in Renewable Energy Systems	Koteswara Rao Kothapalli	Dr.M.R. Ramteke	July 2016
26	Distributed Generation	Piyush Patil	Dr.M.R.Ramteke	Jan 2013
27	Some studies on double input Power Electronic DC-DC Converters (DIPECs)	Kushal Kanhav	Dr.M. A. Chaudhari	July 2011
28	Design and control algorithm of a multilevel converter system for integration of distributed generation to AC grid	Amarendra Matsya	Dr.M. A. Chaudhari	July 2013
29	Real time power quality monitoring 2014 VNIT, Nagpur	Chetan Khadse	Dr.M. A. Chaudhari Dr.V. B. Borghate	Jan 2014
30	Application of nine switch converter 2015 VNIT Nagpur	Chaitanya N. Jibhakate	Dr.M. A. Chaudhari	July 2015
31	Proposing controller for mitigating effects of power quality issues on induction motor	Vijaya Huchche	Dr.A.S.Junghare Dr.N.R.Patne	Jan 2011
32	Application of fractional order PID controller	Swapnil W. Khubalkar	Dr.A.S. Junghare Dr.M.V.Aware	Jan 2014
33	Study of discrete controller	Prakash Dwivedi	Dr.A.S.Junghare	Jan 2014
34	Study of oscillations and vibrations of turbine-generator set	D.Koteswara Raju,	Dr.A.S.Junghare Dr.B.S.Umre	Jan 2014
35	Application of Fractional Order PID Controller for non-linear systems	Sandeep Pandey	Dr.A.S.Junghare	Jun 2015
36	Bench marking Energy utilization in mines	Seema Topno	Dr.A.S.Junghare Dr.B.S.Umre	July 2016
37	Some studies on effect of compensation Drives on Distance Protection Of Transmission Line	Mohan P Thakre	Dr.V.S.Kale	Jan 2012
38	Artificial Intelligence applications to power system	S S Gokhale	Dr.V.S.Kale	Jan 2013
39	Protection Scheme for shunt compensate transmission line	Arvind R Singh	Dr.N.R.Patne Dr.V.S.Kale	Jan 2014
40	Aspects of 400KV fixed series compensation at 1200/765/400/220KV power grid Wardha Substation	Piyush Khadke	Dr.N.R. Patne	July 2014

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
41	Distributed energy resource management in microgrid using multi agent system	Ashok Jadhav	Dr.N.R. Patne	Jan 2016
42	PWM for Multilevel cascaded H-bridge inverter	Busireddy Hemanth Kumar	Dr. Makarand Lokhande	Jan 2016
43	Axial Flux Motors	Durgesh Kumar Banchhore	Dr.Ashwin Dhabale	July 2016
44	Control Strategies Permanent Magnet Brushless Drives for Electric Vehicles	Manish S. Trivedi	Dr. Ritesh Kumar Keshri	July 2015
45	Fast Charging of Electric Vehicles	Sandhya Laveti	Dr. Ritesh Kumar Keshri Dr. M.A. Chaudhary	Jan 2016
46	Contactless Energy Exchange	Vaka Ravikiran	Dr. Ritesh Kumar Keshri	Jan 2016
47	Some studies on Chaos in Power System	Sunil P Nangrani	Dr.S.S.Bhat	Jan 2014
48	Wide Area Monitoring Protection and control application to Power system protection	Revati G Godse	Dr.S.S.Bhat Dr.S.R.Bhide	July 2015
49	Network Reconfiguration of radial Distribution system	Ishan Srivastav	Dr.S.S.Bhat	July 2015
50	Divided Winding Rotor	Agarala Ajaysekhar Reddy	Dr.S.S.Bhat	July 2015
51	Online condition Monitoring for Three Phase Induction Motor	Tushar G Vilhekar	Dr.M.S.Ballal	Jan 2014
52	Smart Meters	Supriya Jaiswal	Dr.M.S.Ballal	July 2014
53	Smart Metering	M G Wath	Dr.M.S.Ballal	Jan 2015
54	Smartgrid smart electricity grid measuring and control mechanism to automanage the load and despatch situation	Amit R Kulkarni	Dr.M.S.Ballal	Jan 2015
55	Co-ordinate control of microgrids	Rohit Deshmukh	Dr.M.S.Ballal	Jan 2016

ELECTRONICS AND COMMUNICATION ENGINEERING

Sr. No.	Thesis Topic	Name of Scholar	Supervisor	Date of Registration
1	Power Line Communication	Neelima Agrawal	Dr. Prabhat Kumar Sharma	Jan 2016
2	Multi-port Integrated UWB and NB antenna systems for CR applications	N. Anvesh Kumar	Dr. A. S. Gandhi	July 2014
3	Full Duplex Cognitive Radio	Santoshkumar Sabat	Dr. A. S. Gandhi	Jan 2014
4	Face Recognition	Manisha Sawant	Dr. K.M. Bhurchandi	Jan 2014
5	Smart Water Systems	Aditya Gupta	Dr. K.D.Kulat	July 2014
6	Synchronization in MIMO Systems	Sandeep Kumar Singh	Dr. A S Gandhi	Jan 2014
7	Image Quality Assessment	Vipin Kamble	Dr. K. M. Bhurchandi	July 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor	Date of Registration
8	Data Loss Mitigation using Compressive Sensing	T. Venkata Sainath Gupta	Dr. A. S. Gandhi	July 2014
9	Millimeter wave Communication	Paritosh D. Peshwe	Dr. A. G. Kothari	July 2014
10	IoT based Smart Farming solutions	Neha K. Nawandar	Dr. Vishal R. Satpute	Jan 2016
11	Image and Video Processing	Chegggoju Naveen	Dr. Vishal R. Satpute	July 2015
12	Cryptography and Image Processing	Saiyma Fatima Raza	Dr. Vishal R. Satpute	July 2015
13	Metamaterials	DushyantMarathe	Dr. K.D.Kulat	Jan 2014
14	IoT For Human Machine Integration	Varun Tiwari	Dr. A. G. Keskar	July 2014
15	Road traffic prediction and control	Neeraj Dhanraj Bokde	Dr. K.D.Kulat	July 2014
16	Performance Analysis of a Full-Duplex Relaying System	Raut Prasanna D.	Dr. Prabhat Kumar Sharma	July 2016
17	Antennas for Body Centric Communication	Doddipalli Srinivas	Dr. A. G. Kothari	Jan 2014
18	Photoacoustic Signal Processing	Nikita Rathi	Dr. Saugata Sinha	Jan 2016
19	Photoacoustic Imaging of Breast Cancer	A.Prabhakara Rao	Dr. Saugata Sinha	Jan 2016
20	Cancer Detection using Deep Learning	Nitin Satpute	Dr. Saugata Sinha	Jan 2016
21	Tracking of ball in games like Cricket, Footbal, etc.	Paresh Kamble	Dr. A. G. Keskar, Dr. K. M. Bhurchandi	Jan 2014
22	Energy efficiency in Underwater wireless sensor networks	D. N. Sandeep	Dr. Vinay Kumar	Jan 2016
23	Underwater wireless sensor network	Sadanand Yadav	Dr. Vinay Kumar	Jan 2016
24	Energy Efficiency in wireless sensor networks	Khyati Shrivastav	Dr. K. D. Kulat	Jan 2014
25	Image and Video Compression	Samruddhi kahu	Dr. K. M. Bhurchandi	July 2014
26	Magnetic induction based communication	Ashish Kumar Sharma	Dr. Viney Kumar	July 2016
27	FPGA based artificial neural network for smart sensors	Nikhil Bhagwatrao Gaikwad	Dr. A. G. Keskar	July 2016

VLSI AND NANOTECHNOLOGY

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
1.	Design of Multi-Standard Transceiver for Wireless Communication Systems using RF MEMS	Amol Morankar	Dr. R. M. Patrikar	July 2009
2.	Graphene	Swapnali Makdey	Dr. R. M. Patrikar	July 2013
3.	An approach towards digital microfluidic system	Vandana Jain	Dr. R. M. Patrikar	Jan 2014
4.	Measurements and control of parameters of MEMS cantilever switch	Akanksha Singh	Dr. R. M. Patrikar	Jan 2015
5.	Modeling and characterization of Lab on chip devices	T Pravinraj	Dr. R.M.Patrikar	Jan 2015
6.	Computational Nanoelectronics	Ravi Solanki	Dr. R. M. Patrikar	July 2015
7.	Development of Low Power Reconfigurable System to solve 1-D / 2-D Signal Processing Problem	Pravin P. Zode	Dr. R. B. Deshmukh	July 2009
8.	Reliability of RF MEMS switch	Jaya D. Chandwani	Dr. R. B. Deshmukh	Jan 2014
9.	Tunable Vibration based Energy Harvester	Rohit W. Somkuwar	Dr. R. B. Deshmukh	July 2015
10.	Asynchronous Level crossing sampling ADC	Akash V. Joshi	Dr. R. B. Deshmukh	Jan 2015
11.	Condition Monitoring using Compressive Sensing	Meenu Rani	Dr. R.B. Deshmukh Dr. S.B. Dhok	Dec 2014
12.	Design of HEVC Standard based Video Compression	Eskinder Anteneh Ayele	Dr. S. B. Dhok	July 2012
13.	Fractal Based Video Compression Scheme	Ravindra E. Chaudhari	Dr. S. B. Dhok	July 2012
14.	Separation of Text Information from Multi-Source Scanned Documents	Parul Sahare	Dr. S. B. Dhok	Jan 2014
15.	Low Power MAC protocol for Internet of Things	Prachin Bhoyar	Dr. S.B. Dhok Dr. R.B. Deshmukh	June 2015
16.	Design and modeling of organic semiconductor devices	Ishan C. Ghosekar	Dr. Ganesh C. Patil	Jan. 2016
17.	MEMS	Amit Holey	Dr. Vasu Pulijala	July 2016

HUMANITIES AND SOCIAL SCIENCES

Sr.No.	Thesis Topic	Name of scholar	Supervisor(s)	Date of Registration
1.	The Feminist Consciousness in the Selected Novels of Anita Desai	Hemangi Patil	Dr. M. Ghosal	Jan 2013
2.	Understanding Transitional Conflicts Between Tradition and Modernity in the Novels of Manju Kapur	Umesh Waman Guramwar	Dr. M. Ghosal	July 2014
3.	OD Intervention in Private Educational Institutions	Pravin Kumar	Dr. Yogesh Deshpande	Jan 2015
4.	Internet addiction and Psychopathology	Shilpa Bisen	Dr. Yogesh Deshpande	July 2015
5.	Community Development	Amruta Shirpurkar	Dr. G. N. Nimbarte	July 2015
6.	Sociological Study of Primary Education	Sachin Burde	Dr. G. N. Nimbarte	July 2015
7.	Transcending Gender through Ungendered Narrative: A Study of Five Selected Novels	Khuman Bhagirath Jetubhai	Dr. M. Ghosal	July 2016

MATHEMATICS

Sr.No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
1	Modified theories of gravitation and recent observational constraints	Binaya Kumar Bishi	Dr. G. P. Singh	July 2013
2	Study of mathematical models for cosmological problems	Nikhil Hulke	Dr. G. P. Singh	July 2016
3	Numerical methods for solving system of singularly perturbed delay differential equations	Trun Gupta	Dr. P. Pramod Chakravarthy	July 2015
4	Singularly perturbed parabolic delay partial differential equations	Kamlesh Jangir	Dr. P. Pramod Chakravarthy	Jan 2016
5	Regularization of ill-posed operator equation in Banach spaces	Sharad Dixit	Dr. Pallavi Mahale	Jan 2016
6	Fixed point theorems for nonexpansive mappings in normed spaces	Rahul Shukla	Dr. Rajendra Pant Dr. D. K. Patel	July 2015
7	Fixed points of nonlinear operators with applications to image processing and fractals	Rameshwar Pandey	Dr. Rajendra Pant	July 2016
8	High resolution schemes for hyperbolic conservation laws	Yogitha Rathod	Dr. G. Naga Raju	Dec 2012
9	Numerical Methods for hyperbolic conservation laws	Samala Rathan	Dr. G. Naga Raju	July 2015

Sr.No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
10	WENO Scheme for hyperbolic conservation laws	Ashlesha Bhise	Dr.G. Naga Raju Dr.M. Devakar	July 2016
11	Studies on the flows of two immiscible micropolar and Newtonian fluids	Ankush Raje	Dr.M.Devakar	July 2015
12	Numerical methods for singular boundary value problems for ordinary differential equations.	Ujwal Warbhe	Dr.Pradip Roul	July 2013
13	High-order numerical methods for solving singular boundary value problems arising in various physical models	Kiran Thula	Dr.Pradip Roul	July 2015
14	A study on some problems in fixed point theory	Pradip Ramesh Patle	Dr. Deepesh Kumar Patel	Jan 2016

MECHANICAL ENGINEERING

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of registration
1	Experimental and Finite Element Analysis for Characterization of Co-cured Composite T-Joint	Atul Sane	Dr. P.M. Padole Dr.R.V.Uddanwadiker	July 2012
2	CFD and Finite Element Analysis of Blood Flow through Arteries	Pooja Jhunjhunwala	Dr. P.M. Padole Dr. S.B. Thombre	Jan 2014
3	Notch Effects At High Temperature In Low Cycle Fatigue Life Prediction	Richa Agrawal	Dr.R.V.Uddanwadiker Dr. P.M. Padole	Jan 2013
4	Fracture of soft and hard solids interface	Avinash A. Thakre	Dr. A.K. Singh	July 2013
5	Interfacial Frictional Dynamics of soft and hard solids	Vinit Gupta	Dr. A.K. Singh	July 2013
6	Nonlinear Dynamics of rate and state friction model	Nitish Sinha	Dr. A.K. Singh	July 2014
7	Tribology of Lubricants	Shraddha Gondane	Dr. A.K. Singh	July 2013
8	CAD and Kinect based approach for robot assisted spray painting	Abhishek Jha	Dr. S.S.Chiddarwar	July 2013
9	Development of Hybrid non-linear controller	Veer Alakshendra	Dr. S.S. Chiddarwar	Jan 2014

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of registration
10	Bond graph modeling of robotic system	Saumya Ranjan Sahoo	Dr. S.S. Chiddarwar	July 2015
11	Analysis of Multipot Biomass Cookstove	Rohan R Pande	Dr. V.R. Kalamkar	July 2014
12	Experimental and Mathematical Investigations on solar powered helical rotor pump	Arunendra K Tiwari	Dr. V.R. Kalamkar	July 2014
13	Investigation of heat transfer and friction using artificial roughness in solar air heater.	Sanjay K Sharma	Dr. V.R. Kalamkar	July 2013
14	Theoretical and Experimental Analysis of Advanced Biomass Cookstove.	Milind P Kshirsagar	Dr. V.R. Kalamkar	Jan 2013
15	Experimental and CFD analysis of low capacity solar PV powered submersible Centrifugal pump.	Vimal Chand Sontake	Dr. V.R. Kalamkar	Jan 2013
16	MHD solver development with open form	Ranjit J Singh	Dr Trushar B.Gohil	July 2015
17	Crashworthiness of Reinforced Honeycomb Structures	Tiju Thomas	Dr. Gaurav Tiwari	July 2015
18.	Crushing response of aluminium hybrid frusta tubes	Vivek Patel	Dr. Gaurav Tiwari	Jan 2016
19.	Design and development of economic prosthetic hand to restore aesthetics and functionality	Tushar Kulkarni	Dr.R.V.Uddanwadiker	July 2013
20	Biomechanics of lingual brackets	Abhishek Thote	Dr.R.V.Uddanwadiker	July 2014
21	Customized Surgical Guide using Layered Manufacturing	Sandeep Dahake	Dr. A M Kuthe	July 2013
22	Rapid Prototyping assisted scaffold fabrication for Bone Tissue Engineering	Pranav Sapkal	Dr. A M Kuthe	July 2014
23	Critical Analysis of Customized metallic Implant manufacturing	Sanjay Randiwe	Dr. A M Kuthe	Jan 2013
24	Computer Aided Metal Casting	Dheeraj Bhiogade	Dr. A M Kuthe	Jan 2013
25	Development of Innovative Product Using Layred Manufacturing	Mahesh Mawale	Dr. A M Kuthe	July 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of registration
26	Rapid Prototyping Assisted scaffold Fabrication for Cartilage Regeneration	Ashutosh Bagde	Dr. A M Kuthe	Jan 2016
27	Investigation of HCCI Engine	R.A.Kathar	Dr. J.G.Suryawanshi	June 2009
28	Investigation of GDI Engine	S.P.Chincholkar	Dr. J.G.Suryawanshi	June 2011
29	Investigations on PCCI Engine	Girish Bhiogade	Dr. J.G.Suryawanshi	June 2012
30	Experimental and Numerical study of flow and Heat transfer in Air Heater	Vipin B. Gawande	Dr. A.Dhoble Dr. D B Zodpe	July 2012
31	Design Development and Analysis of Electrical Discharge Turning Process	Vikas Gohil	Dr. Y M Puri	Jan. 2013
32	Development and analysis of curved hole machining using EDM	Diwesh Meshram	Dr. Y M Puri	July 2013
33	Development of Mg AZ91 Based Surface Composites by Friction Stir Processing	Hemendra patle	Dr. Ravikumar Dumpala	July 2015
34	Heat Transfer - experimental and CFD	C. Mangrulkar	Dr. A.S. Dhoble	Jan 2014
35	Photovoltaic Thermal	Tushar Sathe	Dr. A.S. Dhoble	July 2015
36	Experimental investigation of solar photovoltaic and thermal systems using optical filters.	Sandeep Joshi	Dr. A.S. Dhoble	Jan 2013
37	Investigation of fatigue failure of FRP composite material blade used in rotary machines.	Pravin Kulkarni	Dr.A. Dhoble Dr.:P. M. Padole	July 2013
38	Studies on fuel cells	Ranjan Kishor Mallick	Dr. Shashikant B. Thombre	July 2013
39	Fuel Cells related topic	Seema Munjewar	Dr. Shashikant B. Thombre	July 2014
40	Investigations on stratified charge compression ignition engine	Amit Sanjay Karwade	Dr. Shashikant B. Thombre	July 2015
41	Renewable Energy sources	Vandita Shahu	Dr. Shashikant B. Thombre	Jan 2016

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of registration
42	Milling of Inconel 718	Rahul Mali	Dr. T.V.K Gupta	July 2015
43	Machine Condition Monitoring Using Artificial Intelligence Approach	Vinay Thute	Dr. A. B. Andhare	July 2009
44	Quality Assessment of Gearbox	Prasad Kane	Dr. A. B. Andhare	July 2011
45	Modification in Sugar Cane Cutter Design to Improve Productivity	Yogesh Deshpande	Dr. A. B. Andhare Dr. P. M. Padole	Jan 2013
46	Performance of Journal Bearing Using Nano Bio Lubricants	Dhananjay Katpatal	Dr. A. B. Andhare Dr. P. M. Padole	Jan 2013
47	Machining of Titanium Alloys	Neelesh Sahu	Dr. A. B. Andhare	July 2013
48	Performance Evaluation of Nano Coolants in Machining	Roja Raju	Dr. A. B. Andhare	July 2013
49	Design and Development of Bed for Patient Care	Anil Onkar	Dr. A. B. Andhare	July 2013
50	Position and Path Control of AGV by Fixed Sensor and Controller	R. G. Pungle	Dr. A. B. Andhare	July 2008
51	Mechanisms and Robotics	Ankur Jaiswal	Dr. H. P. Jawale	Jan 2014
52	Conformal Cooling in Injection Molding	Mahesh Sheshrao Shinde	Dr. K. M. Ashtankar	July 2014
53	Fixture Design to CNC Machininig for Medical Parts	Ashwini Ramteke	Dr. K. M. Ashtankar	Jan 2015
54	Manufacturing	Makireddi Diwakar	Dr. V. D. Ghuge	July2016
55	Combustion studies of biodiesael and its blends for tubular combustion chamber	Satish Bhele	Dr. N. V. Deshpande Dr. Shashikant B. Thombre	June 2011
56	Tool Wear Modeling	Ganesh Lamdhade	Dr. A. B. Andhare	July 2012

METALLURGICAL AND MATERIALS ENGINEERING

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
1.	Studies on structural characterization and wear properties of some alloy steels	Pranay Bagade	Dr.R.K. Khatirkar DR. S.G. Sapate	July 2012
2.	Synthesis and characterization of inorganic-organic hybrid composite nano phosphors for photonic applications	Abhilasha Jain	Dr.D.R. Peshwe Dr.S.G. Dhoble	Jan 2013
3.	Re-aging studies of 7010 Al alloy	Yogesh Mahajan	Dr.D.R. Peshwe	Jan 2013
4.	Welding behavior and corrosion studies of stainless steels	JageswarVerma	Dr. R.V. Taiwade Dr.R.K. Khatirkar	Jan 2014
5.	Welding and corrosion of Cr-Mn ASS in industrial electrolytes	Ankur Bansod	Dr. A.P. Patil	July 2014
6.	Deformation studies on metallic glasses through cluster dynamics	K.S.N.Satish Idury	Dr.J.G. Bhatt Dr.B.S. Murty	July 2014
7.	Development of ADI by two step austempering process	Vinayak Dakre	Dr. A.A. Likhite Dr.S.U. Pathak	Jan 2015
8.	High temperature fatigue behaviour of heat treated 9 Cr steel	Ashish Vaidya	Dr.D.R.Peshwe Dr.A.R. Ballal	July 2015
9.	Development of CNT Reinforced Polymer Composites & their Cryogenic Treatment for Mechanical & Tribological Applications	Swamini Chopra	Dr. D.R. Peshwe	July 2015
10.	Structural developments during deformation and annealing in duplex stainless steel	Amit Kumar	Dr.R.K. Khatirkar	Jan 2015
11.	Tribologicalbehaviour of hard coatings used in industry	Nitesh Vashishtha	Dr S. G.Sapate	July 2015
12.	Effect of Cold Work on Creep Behaviour of D9I Stainless Steel.	Hari Yadav	Dr. A.R. Ballal Dr. M.M. Thawre	July 2015
13.	Characterization of Microstructure, Mechanical Properties and Corrosion Resistance of Weldments .	Sumitra Sharma	Dr. R.V. Taiwade	July 2015
14.	Structural developments during deformation and annealing in titanium alloys	Aman Gupta	Dr.R.K. Khatirkar	July 2016

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
15.	Welding and corrosion of austenitic stainless steels	Sourabh Shukla	Dr.A.P. Patil	July 2016
16.	Synthesis and characterization of W particulate –Bulk Metallic Glass composites	Anuj Khond	Dr.A.K. Srivastav Dr. J.G. Bhatt	Jan 2016
17.	Corrosion behavior of austenitic stainless steel	Vipin Tandon	Dr.R.C. Rathod Dr.A.P. Patil	July 2016
18.	Fatigue behavior of CFRP composites	Alok Behera	Dr.M.M. Thawre Dr.A.R. Ballal	July 2016
19.	Synthesis of Ultra-fine grain of Aluminum-Graphite Composite	Ramendra Kumar Gupta	Dr.V. Udhayabanu	July 2016

MINING ENGINEERING

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
1.	Support Pressure for Squeezing Tunnel	Shashank Sharma	Dr. I .L. Muthreja & Dr. R. R. Yerpude	July 2015
2.	Design of presplit blast and its effect on stability of benches in opencast mines	Ch. Venkat Rammana	Dr. N. R. Thote	Jan 2016
3.	Capacity enhancement of existing internal dump and its stability analysis	Vishnu S.	Dr.S.S.Gupte	July 2016

PHYSICS

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
1.	Development of lead free Electroceramics for ferroelectric applications	Mugdha V. Jagdale	Dr. V. K. Deshpande	Jan 2013
2.	Effect of irradiation on the physical properties of lithium borosilicate glasses	Ashish P. Raut	Dr. 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	July 2013
5.	Synthesis and Characterization of Glasses doped with rare earth for solid state lightning	Praveen P. Pawar	Dr. R.S.Gedam	Jan 2015

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
6.	Synthesis and characterization of glasses doped with semiconductor quantum dots for photocatalysis study	S.Y.Janbandhu	Dr. R.S.Gedam	July 2016
7.	CdS, Ag ₂ S AND HgS based nanowires: synthesis, characterization and supercapacitor application	Nikila M. N. Unni Nair	Dr.Babasaheb R. Sankapal	Jan 2013
8.	CdS, CdSe and PbS based nanostructured thin film towards photoelectrochemical solar cell	Sutripto Majumder	Dr.Babasaheb R. Sankapal	June 2013
9.	Synthesis, characterization and supercapacitive performance of Fe, Zn and Co based metal oxide thin films	Shrikant S. Raut	Dr.Babasaheb R. Sankapal	June 2013
10.	Nanoparticles encapsulated carbon nanotubes for supercapacitor applications	Swapnil S. Karade	Dr.Babasaheb R. Sankapal	Jan 2015
11.	Synthesis of nanomaterials for device application	Bidhan Pandit	Dr.Babasaheb R. Sankapal	July 2015
12.	Studies on Cu ₂ ZnGeSe ₄ thin films	G. Swapna Mary	Dr. G. Hema Chandra	July 2013
13.	Studies on Cu ₂ ZnSn(S,Se) ₄ thin films	Deepak R Nagapure	Dr. G. Hema Chandra	July 2014
14.	Studies on Cu ₂ ZnSnSe ₄ thin films	M. Rhishikesh Patil	Dr. G. Hema Chandra	July 2015
15.	Studies on Cu-based kesterites	Shaik Babujani	Dr. G. Hema Chandra	July 2016
16.	Replacement of platinum as counter electrode in dye sensitized solar cells	Pooja Mithari	Dr. (Mrs.) S. R. Patrikar	July 2016
17.	Synthesis and characterization of solid electrolyte for thin film battery application	Shweta Gundale	Dr. (Mrs.) A. V. Deshpande	July 2014
18.	Dielectric and ferroelectric studies of bismuth titanate based systems	Shraddha Badge	Dr. (Mrs.) A. V. Deshpande	July 2015
19.	Study of Lithium Ion Conducting Electrolytes For Electrochemical Applications	Pritee V. Wakudkar	Dr. (Mrs) A.V. Deshpande	July 2016
20.	Quantum Dot Solar Cell	Shikha Jindal	Dr.(Mrs) S.M. Giripunje	July 2013
21.	Hydrotalcite particles for solar cell application	Vijaya Laxmi	Dr.(Mrs) S.M. Giripunje	Jan 2016
22.	Piezoelectric Sensors	Gitanjali Tabhane	Dr.(Mrs) S.M. Giripunje	July 2016
23.	Density Functional theory based study of some topological phases.	Ashish Kore	Dr. Poorva Singh	July 2016
24.	Quantum Information Theory	Pranay Barkataki	Dr.M. S. Ramkarthik	July 2015



Ph.D. Completed

9. Ph.D COMPLETED

APPLIED MECHANICS

Sr. No.	Topic	Investigator	Supervisor(s)
1	Behavior of Web Tapered Built up Sections as Beam – column Member in Pre-Engineering Buildings	Ramesh Megharajani	Dr. R. K. Ingle
2	Study into Effects of Secondary Stresses in Large Capacity Water Tank	Virendra Dehadrai	Dr. R. K. Ingle
3	Critical Study of Design Member Subjected to Bending	Samadhan Morkhade	Dr. L. M. Gupta
4	Investigation into Structural Steel semi – rigid connection	A. Y. Vyavahare	Dr. L. M. Gupta

ARCHITECTURE AND PLANNING

Sr. No.	Topic	Investigator	Supervisor (s)
1.	Investigating Privacy in Traditional and Modern Houses: Case Study Nagpur	Rupal Deshpande	Dr. R. S. Kotharkar

CHEMISTRY

Sr.No.	Topic	Investigator	Supervisor (s)
1	Development of visible light responsive Metal oxide/ chalcogenide based photocatalysts for Photocatalytic Applications	Sachin Ghugal	Dr.S.S. Umare
2	Synthesis and Characterization of High conducting Polymers and their blends as novel sensors.	V.V Karambelkar	Dr S.N Paul Dr. J.D.Ekhe
3	Physicochemical Characterization, DNA and Protein Binding Of a Potential Bioactive Chalcone Derivative	Himank Kumar	Dr. Sujit K. Ghosh

CHEMICAL ENGINEERING

Sr. No.	Topic	Investigator	Supervisor (s)
1	Studies on the removal of selected pesticides from aqueous solutions using appropriate agro based materials	Sunil Deokar	Dr. S.A Mandavgane
2	Fruit peel waste: a useful bioresource	Pranav Pathak	Dr. S.A Mandavgane
3	Development and characterization of neem based biopesticides	Sonali Tajne	Dr. S.A Mandavgane
4	Biomass gasification: experimental and computational studies on two-stage fixed bed downdraft gasifier to optimize tar cracking and syngas production	Ruta Khonde	Dr. A. S. Chaurasia
5	Biodiesel synthesis	Antaram Sarve	Dr. M. N. Varma Dr. S. S. Sonawane
6	Reactive separation	Kanti kumar	Dr. K. L. Wasewar Dr. M. N. Varma
7	Biohydrogen production	Abhijit Gadhe	Dr. S. S. Sonawane Dr. M.N. Varma

CIVIL ENGINEERING

Sr. No.	Topic	Investigator	Supervisor (s)
1.	Development of flood risk management system using hybrid assessment approach	Madhuri S. Bhagat	Dr. A D Ghare, Dr. R V Ralegaonkar
2.	Evaluation of downstream scouring with special reference to downstream scouring	Amol S. Pote	Dr. A D Ghare
3.	Natural geotextile for road construction	Sudhnwa Shingare	Dr. V.S.Landge Dr. A.S.Nene
4.	Pavement management system for MIDC area	Vivek Hokam	Dr. V.S.Landge
5.	Artificial Recharge studies through Reverse Gradient reservoir	Vijay Bhusari	Dr. Y B Katpatal Dr. P Kundal
6.	Groundwater modeling in urban areas for recharge characterization using geoinformatics approach	Tauseef A. Ansari	Dr. Y B Katpatal Dr. A D Vasudeo

Sr. No.	Topic	Investigator	Supervisor (s)
7.	Adsorptive Treatment of Dye Based Wastewater using Low Cost Adsorbent	Mr. Manoj L . Meshram	Dr. Dilip H. Lataye
8.	Development of strategy for improving the indoor environment of low income group houses	Vishakha Sakhare	Dr. R.V. Ralegaonkar
9.	Optimal Routing for Biomedical Waste Collection	Radhika Deshpande	Dr. A. R. Tembhurkar
10.	Kinetic Studies for Adsorption of Arsenic Removal from water by Natural Adsorbent	Ashish Nashine	Dr. A. R. Tembhurkar

COMPUTER SCIENCE AND ENGINEERING

Sr. No.	Topic	Investigator	Supervisor (s)
1.	Studies in Performance Improvement of Real Coded Genetic Algorithms and Their applications	A. S. Mokhade	Dr. O. G. Kakde
2.	Modelling & Evaluation of AD-Hoc Networks	Ashish Tiwari	Dr. O. G. Kakde
3.	Graph Mining	Abhiram Gandhe	Dr. P. S. Deshpande
4.	Parallelization Of Cryptographic algorithm using CUDA	Jitendra V. Tembhurne	Dr. S. R. Sathe
5.	Multivariate Analysis and its application to data mining	Narsimha Reddy	Dr. P.S. Deshpande

ELECTRICAL AND ELECTRONIC ENGINEERING

Sr. No.	Topic	Investigator	Supervisor(s)
1.	Some aspects of voltage stability studies in deregulated power system	S. D. Naik	Dr.M.K.Khedkar Dr.S.S.Bhatt
2	Induction motor insulation under non-sinusoidal supply voltages/currents	T.S.Arora	Dr. M.V.Aware
3	Analysis of Stand-alone Solar Home Lighting System and Residential PV System with Charge Controller and DC – DC Convertors	A.S. Werulkar	Dr. P.S.Kulkarni
4	Wavelet Transforms and its Application to process power quality disturbances	Jyoti S. Bhonsle	Dr. A.S.Junghare

ELECTRONIC AND COMMUNICATION ENGINEERING

Sr. No.	Topic	Investigator	Supervisor (s)
1	Algorithms for Time and Frequency Synchronization in W-CDMA	Mridula Korde	Dr. A. S. Gandhi

VLSI AND NANO TECHNOLOGY

Sr. No.	Topic	Investigator	Supervisor (s)
1.	Design of Novel Low Power Asynchronous Sigma-Delta Analog-to-Digital Converter	Anita Deshmukh	Dr. R.B. Deshmukh

MATHEMATICS

Sr. No.	Topic	Investigator	Supervisor (s)
1	Some Studies on the Peristaltic Transport of non-Newtonian Fluids In Some studies on the peristaltic transport of non-Newtonian fluids through inclined channels and inclined tubes with endoscope	Katta Ramesh	Dr. M. Devakar
2	Some unidirectional steady flows of two immiscible fluids through a circular pipe	N. Ch. Ramgopal	Dr. M. Devakar
3	Numerical methods for solving singularly perturbed delay differential equations with large delays	S. Dinesh Kumar	Dr. P. Pramod Chakravarthy

MECHANICAL ENGINEERING

Sr. No.	Topic	Investigator	Supervisor (s)
1	Estimation of Characteristics Of Skeletal Muscles	Chetan Kuthe	Dr. R. V. Uddanwadiker
2	Investigation On SI Engine Using Hydrogen And CNG Blend	P.T.Nitnaware	Dr. J.G.Suryawanshi
3	Experimental Investigation Of Algae Based Biodiesel As An Alternative Fuel For Diesel Engine	Sushant Satputale	Dr. N. V. Deshpande Dr D B Zodpe
4	Computer Aided Manufacturing Planning (CAMP) Using STEP Data Through Automatic Manufacturing Feature Recognition	Bhaskar Ramkrishna Borkar	Dr. Y M Puri
5	Fatigue Failure Analysis Of Customized Hip Implant	Mangesh Dharme	Dr. A M Kuthe
6	Dynamic Analysis Of Structural Element Under The Moving Mass vibration	Tanuja S Vaidya	Dr. Animesh Chatterjee
7	Performance Analysis Of Solar Still	H. S. Deshmukh	Dr. Shashikant B. Thombre
8	Performance Analysis Of Solar Air Heaters	Y. C. Dhote	Dr. Shashikant B. Thombre

METALLURGICAL AND MATERIALS ENGINEERING

Sr. No.	Topic	Investigator	Supervisor (s)
1.	Effect of Al addition on microstructure and corrosion resistance of Zn-Al alloy for galvanizing	Babarao Deshmukh	Dr. A.P. Patil
2.	Studies on effect of welding on corrosion of 409M ferritic stainless steel and mild steel	Sachin Ambade	Dr. A.P. Patil
3.	Synthesis & Characterization of high conducting polypyrroles and their blends as novel sensor	Vineet Karambekar	Dr S.N Paul Dr. J.D.Ekhe

MINING ENGINEERING

Sr. No.	Topic	Investigator	Supervisor (s)
1	Safety information and decision system for coal mine	Anupan Kher	Dr. R. R. Yerpude
2	Design of web pillar in highwall mining	Chandrani Prasad Verma	Dr. N. R. Thote Dr. John Loius

PHYSICS

Sr. No.	Topic	Investigator	Supervisor (s)
1.	Preparation and study of bismuth oxide containing glasses and glass ceramics	Vijaya D. Raut	Dr. (Mrs.) A. V. Deshpande
2.	Investigation of Heterostructures of Polyaniline & its Nanocomposites with Metal Oxides for Photovoltaic Applications.	Jyoti Ghushhe	Dr. Mrs. S.M. Giripunje



Research Publications

10. RESEARCH PUBLICATIONS

10.1 International / National Referred Journals

APPLIED MECHANICS

1. V. G. Kondekar, O. R. Jaiswal, L. M. Gupta, P R Gandhi. “Characteristics of Gadhi Soil”, Proceedings of the Institution of Civil Engineers - Construction Materials, Vol. 170 (1), pp. 29-39, 2017.
2. N. L. Shelke, Sangeeta Gadve, “Prediction of Compressive Strength of Concrete based on Accelerated Strength”, Structural Engineering & Mechanics, Vol. 58, No 6, pp. 989-999, 2016.
3. S. O. Lakhade, R. Kumar and O. R. Jaiswal, “Estimation of Response Reduction Factor of RC Frame Staging in Elevated Water Tanks Using Nonlinear Static Procedure”, Structural Engineering and Mechanics, Vol. 62, No. 2, 209-224, 2017.
4. Parate, K. and Kumar, R. “Investigation of Shear Strength Models for Exterior RC Beam-Column Joint”, Structural Engineering and Mechanics, Vol. 58, (3) 475-514, 2016.
5. A. Pandarkar, M. D. Goel, and M. S. Hora. “Axial Crushing of Hollow and Foam Filled Tubes: An Overview”, Sadhana, Volume 41, Issue 8, pp 909–921, August 2016.
6. M. D. Goel, A. Pandarkar, and M. S. Hora. “Numerical Simulation of Crushing and Energy Absorption Behavior of Twisted Tubes under Impact Loading”, Procedia Engineering, Volume 173, pp. 1365 – 1373, 2017.
7. M. D. Goel, and P. Pawar. “Numerical Simulation of Anti-Ram Bollard under Vehicle Impact” Procedia Engineering, Volume 173, 1595 – 1601, 2017.
8. M. D. Goel, and U. Rawat. “Design and Analysis of Wing Structures of Micro Air Vehicles” Procedia Engineering, Volume 173, pp. 1602 – 1610, 2017.
9. M. D. Goel, D. Agrawal, and A. Choubey. “Collapse Behavior of RCC Building under Blast Load” Procedia Engineering, Volume 173, pp. 1943 – 1950, 2017.
10. Gharad A.M. and Sonparote R.S., “Assessment of Resonance Effects on Railway Bridges under Moving Loads”, I-Managers Journal on Structural Engineering, Vol.5, P 37-46, Jan 2017.
11. Samadhan Morkhade and Laxmikant M. Gupta., “Experimental Investigation for Failure Analysis of Steel Beam with Web Openings”, Steel and Compositised structures, Vol.23, No.6 2017.
12. P. Pravin Venkat Rao and Laxmikant M. Gupta., “Effect of Seismic Zone and Story Height on Response Reduction Factor for SMRF Designed According to IS 1893 (Part-1): 2002”, J. Inst. Engg. India Ser A, Volume 97, Issue 4, pp 367–383, December 2016.
13. Abhay Kulkarni and Laxmikant M. Gupta., “Plastic Performance of Hybrid Plate Girder Numerical Method”, Journal of Structural Engineering, Vol. 43 No. 6, pp. 557-567, 2017.
14. R. J. Vishwakarma, R. K. Ingle, “Simplified Approach for The Evaluation of Critical Stress in Concrete Pavement”, Structural Engineering and Mechanics, Vol. 61(3), pp. 389-396. February-2017
15. A.Khandeshe, R.K.Ingle, “Structural effects of haunched braces in elevated servicereservoir staging”, Indian concrete journal, Vol. 90(3), pp 22-31 March- 2017.
16. V. P. Dehadrai, R. K. Ingle, “Effects of Soil Structure Interaction on Cylindrical Water Tanks”, Indian concrete journal, Vol. 90(9), pp.56-63. September-2016.
17. B. Sharma, R.K. Ingle, “Comparison of design forced for metro rail structures”, Journal of Civil Engineering and Environmental Technology, Vol. 3(5), pp. 368-373. April-2016.

ARCHITECTURE AND PLANNING

1. Kirti Bhonsle & V. S. Adane, 'Assessing Play Provisions for children in Urban Neighborhood of India- Case Study- Nagpur, Maharashtra', Buildings- MDPI, 6(3), 2016
2. Poorva Mange & V. S. Adane, 'EEG As Evaluation Tool To Understand The Impact Of Pull On Architecture Design Students', International Research Journal of Engineering and Technology, 3(3), 2016
3. 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', Energy Building, 114, 2016
4. Sameer Deshkar, Chosein Yamahata, Apurva Sharma, Vibhas Sukhwani, 'Planning for Vulnerability Reduction of Urban Core: A Case Study of Bhopal, India', Policy Science Review, 7, 2016
5. Makiko Takeda, Chosein Yamahata, Sameer Deshkar, 'Academia in Communities, for Communities and by Communities in Building Capacity and Promoting Benefits for Locals' Policy Science Review, 7, 2016
6. Smita Khan and Archana Bele, 'Transforming Lifestyles and Evolving Housing Patterns: A Comparative Case Study', Open House International, 41 (2), 2016
7. Chandra Sabnani, 'Unity and Diversity in Habitats', International Journal of Scientific and Research Publications, 6 (1), 2016
8. Neeta Lambe and Alpana Dongre, 'Contextualism: An Approach to achieve architectural identity and continuity', Innovative and Advanced Studies, 3(2), 2016
9. Trupti J. Dabe and Alpana R. Dongre, 'Analysis of performance of the daylight into critical liveable area of type design dwelling unit on the basis of daylight metrics for hot and dry climate,' Indoor and Built Environment, 2016
10. Trupti J. Dabe and Alpana R. Dongre, 'Validation of methodology for daylight analysis through field measurements and simulation model A case residential building from Nagpur Region', Research Journal of Fisheries and Hydrobiology, 11(4), 2016
11. Neeta Lambe and Alpana Dongre, 'Analysing Social Relevance of Spatial Organisation: A case study of Traditional pol Houses, Ahmedabad, India', Asian Social Science, 12 (9), 2016
12. Rajashree Kotharkar and Anurag Bagde, 'Classification for Indian Cities: A case study of Nagpur', Urban Climate, 2017

CHEMISTRY

1. Raju Dutta, Sunit Kumar Singha, Sachin A. Mandavganec*, Jayant D. Ekhe*, "Polyoxometalate Based Mesoporous Acidic Catalyst from Biogenic Silica for Vegetable Oil, Methanolysis: Structure Activity Relationship Study" Study, Applied Catalysis A, General <http://dx.doi.org/10.1016/j.apcata.2017.03.032> (IMPACT FACTOR-4.012)
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10.2 Research Publications in International /National Conferences

APPLIED MECHANICS

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2. O.R. Jaiswal, Nandhini R. and K. P. Patel, "Assessment of New Indian Codal Provisions for Along Wind Analysis of Tall Structures", In Proceeding of The Eighth National Conference on Wind Engineering, IIT (BHU), Varanasi, India, 16-17 December, 2016.
3. P. Gwalani and O.R. Jaiswal, "Vibration Control using Tuned Mass Damper", In Proceeding of International Conference on Emerging Technology in Structural Engineering, ETSE-2017, KDKCE, Nagpur, India, 17-18 March 2017.
4. A. Mahajan, R. Kumar and O. G. Kumbhar, "Comparative Study of Flat Slab-Column Connection Techniques for Seismic Loading", Structural Engineering Convention 2016, CSIR-SERC, 166-171, 2016.
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15. T. Thimmesh and M. D. Goel. "Blast Resistance Analysis of Door Panel", International Conference on Emerging Technology in Structural Engineering (IC-ETSE-2017), KDK College of Engineering, Nagpur, Maharashtra, India, 17th - 18th March 2017.
16. S. Palla, and M. D. Goel. "Performance Assessment of Curved Steel Wall under Blast Loading", International Conference on Emerging Technology in Structural Engineering (IC-ETSE-2017), KDK College of Engineering, Nagpur, Maharashtra, India, 17th - 18th March 2017
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ARCHITECTURE AND PLANNING

1. Rajashree Kotharkar, Anurag Bagade and Anurag Kandya, 'Study of Urban Heat Island Effect using Local Climate Zone and Land Surface Temperature using Landsat 7 ETM + for Nagpur, India.' 4th International Conference on Countermeasures to Urban Heat Island, Singapore, May 30 to June 1, 2016

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CHEMISTRY

1. Rajat Pandey, Prabhakar Shrivastava, Nitesh Punyapreddiwar and Umesh Pratap, Biocatalysed synthesis of pyranopyrazoles, Pre- International conference on organic synthesis (Pre-ICOS) 9-10th December 2016, IISER Bhopal,
2. Prabhakar Shrivastava, Umesh R. Pratap, Synthesis of silica coated cobalt ferrite magnetic nanoparticles for catalase Immobilization”, Fourth International Conference on Nanostructured Materials and Nanocomposites (ICNM 2017) 10-12th February 2017, Mahatma Gandhi University, Kottayam.
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CHEMICAL ENGINEERING

1. Nikhilesh S. Trivedi, Raju Dutta, Saurabh N. Joglekar, Jayant D. Ekhe, “An economic way for extraction of high purity biogenic silica from biomass ashes”. Poster presentation at India International Science Festival IISF 2016 NPL Delhi during Dec 8-11, 2016.
2. Nikhilesh S. Trivedi, Rishikesh Kharkar, S.A. Mandavgane. “Utilization of biomass char for removal of 2,4-Dichlorophenoxyacetic acid: a study using cotton plant char”. An International Conference on Separation Technologies in Chemical Biochemical, Petroleum and Environmental Engineering at Technoscape 2016 VIT, Vellore, India Oct 20-22, 2016.
3. T. Chandana, S. M. Kodape, “Study on Membrane fouling Characteristics in MBR”, A National conference on PCSCRI'17 S. V. University College of Engineering, Tirupati, 84, March 10-11, 2017.
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15. Velpuri V. V. Srihas, Piyush P. Wanjari and Hrushikesh M. Gade, "Molecular dynamics simulations of supramolecular self-assembled cavitands inducing conformational changes in n-alkanes following encapsulation", Computational Science Symposium (CSS 2017), IISc Bangalore, 18 March 2017.
16. Hrushikesh M. Gade, Piyush P. Wanjari and Velpuri V. V. Srihas, "Molecular dynamics investigation of nanotube induced curvature changes in graphene sheet", Computational Science Symposium (CSS 2017), IISc Bangalore, 18 March 2017.

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1. Vartika Paliwal, Aniruddha D Ghare and Ashwini B Mirajkar (2016) Optimization of reservoir operation using JAYA Algorithm International Conference on Hydraulics, Water Resources 'HYDRO 2016', Organized by CWPRS, Pune during 8-10 December 2016.
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4. R V Ralegaonkar, H R Gavali, V V Sakhare, A Puppala, P B Aswath (2016) Application of Sustainable Construction Materials for Urban Slum Houses, Sustainable Environment and Agriculture, Asia-Pacific Chemical, Biological & Environmental Engineering Society, October 26-28, 2016 San Francisco, USA.
5. Nikhil Kale, Mangesh Madurwar, R V Ralegaonkar (2016) Analysing the strength behaviour of cement composites with waste glass fibres, Recycle-16, International Conference on Waste Management, IIT, Guwahati, April 1-2, 2016, India.
6. Vishakha Sakhare, Mangesh Madurwar, R V Ralegaonkar (2016) Development of sustainable bricks using agro-industrial by-products, Recycle-16, International Conference on Waste Management, IIT, Guwahati, April 1-2, 2016, India.
7. Hindavi R. Gavali and R. V. Ralegaonkar (2017) Application of information modelling for resource conservation in building construction, National Conference on Interdisciplinary Trends in Engineering and Technology-17-18 February, 2017, Department of Technology, Shivaji University, Kolhapur & IEI, Kolhapur and ISTE, New Delhi.
8. A. Usmani, C. Kumar, A. Nanda and A. Mandal, "Stabilization Analysis and Support Assessment in a Rockfall Zone" Geotechnical Frontier 2017, ASCE Special Publication, GSP 278, pp. 214-223.
9. Vasudha D. Katare and M. V. Madurwar (2017) Use of textile effluent treatment plant sludge in construction, National Conference on Interdisciplinary Trends in Engineering and Technology-17-18 February, 2017, Department of Technology, Shivaji University, Kolhapur & IEI, Kolhapur and ISTE, New Delhi.
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11. Gupta, R., and Rathi, S. (2016). "Joint Consideration of Layout and Pipe Sizes for Water Distribution Network Design with Reliability", 18th International Conference on Water Distribution Systems, WDSA2016, ASCE, Cartagena, Colombia, July 24-28, 2016.
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13. Rathi, S. and Gupta R. (2016). "Optimal sensor locations with dual objectives of regular monitoring and contamination detection in water distribution network of BWSN", ISH Annual Convention and International Conference, Pune
14. S. Topre, C., Vijay R. and Gupta R. (2016). Hydrodynamic simulation of Pili river for riverbed development using HEC-RAS", National Conference on Water Resources & Flood Management with special reference to Flood Modeling, SVNIT, Surat, October 14-15, 2016.
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17. Sudan V. and Gupta R. (2017). "Canal Versus Pipe Water Distribution Network for Irrigation - A case study of Khangaon Branch of Lower Wardha Project." 49th Annual Convention of IWWA on Smart Water Management, January 18-21, 2017, Nagpur.
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19. Jadhao R. D. and Gupta, R. (2017). "Reducing leakages in water distribution network through pressure management.", 49th Annual Convention of IWWA on Smart Water Management, January 18-21, 2017, Nagpur.
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24. Mankar M.S., Mirajkar, A. B. Patel P. L. (2016) "Sustainable irrigation planning using multi objective fuzzy optimization models. "National Conference on Water Resources & Flood Management with special reference to Flood Modeling" October (14-15, 2016), SVNIT Surat.
25. Mankar M.S., Mirajkar A. B. (2016) "Sustainable irrigation planning using multi objective jaya algorithm. "National Conference on Water Resources & Flood Management with special reference to Flood Modeling" October (14-15, 2016), SVNIT Surat.
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29. Paranjpe S.V., Katpatal Y.B. (2016) Lithological control in Integrated watershed management for surface and groundwater management: A case study of Venna basin, Maharashtra. National Seminar on Geosciences Research, Sagar, MP, India, Aug 2016.
30. Newar Garima*, Katpatal Y.B., (2017) Irrigation performance evaluation within selected command areas using RS and GIS technique, 49th Annual Convention of IWWA, 19-21 Jan. 2017, VNIT Nagpur.

31. Paranjpe S.V., Katpatal Y.B., Kadu, M.S.,(2017) Surface runoff estimation using SCS CN and GIS : A case study of Vena Basin, Maharashtra, India., 49th Annual Convention of IWWA, 19-21 Jan. 2017, VNIT Nagpur.
32. Mahawar Sanjay and Katpatal Y.B. (2017) Analyzing Impacts of Impervious Surface Area Caused by Urbanization on Surface Runoff in Nagpur Using Remote Sensing and GIS Technique, 49th Annual Convention of IWWA, 19-21 Jan. 2017, VNIT Nagpur.
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34. Patil Naman, Katpatal Y.B. (2017) Assessment Of Groundwater Quality Through Spatial Interpolation Techniques And Correlating It With Anthropogenic Activities In Akola District, Maharashtra, 49th Annual Convention of IWWA, 19-21 Jan. 2017, VNIT Nagpur.
35. Pathrabe Maya D., Dubey Ravish S. and Lataye Dilip H. “Removal of direct red 28 dye from aqueous solutions by using sugarcane bagasse as an adsorbent”,49th Annual Convention of Indian Water Works Association on "Smart Water Management" Organised by IWWA, Nagpur Centre at VNIT, Nagpur on January 19-21, 2017.
36. Anuja U. Charpe, M. V. latkar, T. Chakrabarti, 'Application of Microbiology to improve Mechanical Properties of cementitious materials', National Conference on Research trends in Applied Science and Technology, (NCRTAST-2016), ISSN (Online) – 2249-3247, Organized by Department of Mathematics, Technocrat Institute of Technology, Technocrats TIT Group of Institutions, TIT Campus, Anand nagar, Bhopal, Madhya Pradesh, pp 64, May 6-7, 2016
37. Aju Mathew George, & A.R.Tembhurkar “Laboratory Scale Studies On Upflow Sand Filter” 49 IWWA Annual Convention 2017 on “Smarter Water Management”, 19th – 21st January 2017 at Nagpur
38. Shekhar Saxena, & A.R.Tembhurkar “Assessment Of Water Footprint For Reuse Of Wastewater In Concrete” 49 IWWA Annual Convention 2017 on “Smarter Water Management”, 19th – 21st January 2017 at Nagpur
39. Madhumita Chakraborty & A. R. Tembhurkar “Smart River Rejuvenation Plan For Ailing River; Issues And Solutions” 49 IWWA Annual Convention 2017 on “Smarter Water Management”, 19th – 21st January 2017 at Nagpur
40. Mable Mathew ,Aju Mathew George & Ajay.R.Tembhurkar, “Evaluation of Equilibrium, Kinetic and Thermodynamic Parameters for Deflouridation of Water Using Adsorbent Developed from Teak (Tectona Grandis) Leaf” International Conference on Recent Advance in Civil and Environmental Engineering (RACEE 2017) on 4th and 5th March 2017, at WCE Sangli
41. Shekhar Saxena, A.R.Tembhurkar , “Utilization of Steel Slag as Coarse Aggregate Replacement and its influence on Strength of Concrete” International Conference on Recent Advance in Civil and Environmental Engineering (RACEE 2017) on 4th and 5th March 2017, at WCE Sangli

COMPUTER SCIENCE AND ENGINEERING

1. J. Imran and Praveen Kumar, Human action recognition using RGB-D sensor and deep convolutional neural networks, International Conference on Advances in Computing, Communications and Informatics (ICACCI), Jaipur, 144-148, September 2016

2. S. Arsh, A. Bhatt and Praveen Kumar, Distributed image processing using Hadoop and HIPI, International Conference on Advances in Computing, Communications and Informatics (ICACCI), Jaipur, 2673-2676, September 2016
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4. R. Nar, A. Singal and Praveen Kumar, Abnormal activity detection for bank ATM surveillance, International Conference on Advances in Computing, Communications and Informatics (ICACCI) Jaipur, 2042-2046, September 2016.
5. Anup Kelkar & Anil Mokhade, Nifty Auto Index Prediction on the basis of Tweets Sentiments, 8th Annual International Conference on ICT: Big Data, Cloud and Security (ICT-BDCS2016), Singapore, 101-106, 22-23 Aug 2016 GSTF Journal on Computing Vol5, Issue 1
6. Krishan Kumar and M.P. Kurhekar, Economically Efficient Virtualization over Cloud Using Docker Containers, Cloud Computing in Emerging Markets (CCEM), 2016 IEEE International Conference Bangalore, 95-100, 19/10/2016
7. N. A. Ansari, U.A.Deshpande, S.P.Mohammad, An asynchronous algorithm for providing energy efficient coverage and connectivity in wireless sensor networks , Tenth International Conference on Advanced Networks and Telecommunication Systems, 2016. ANTS'16 , Bengaluru, Available Online on ieeexplore, November 2016
8. M. R. Penuarkar, U.A.Deshpande, OPPRES: Opportunistic Routing algorithm for routing messages in Emergency Situations using Vehicular Delay Tolerant Network, Tenth International Conference on Advanced Networks and Telecommunication Systems, 2016. ANTS'16, Bengaluru, Available Online on ieeexplore, November 2016
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11. Ramesh Pungle and Atul Andhare, "Position and path control of AGV by global vision sensor", 12th National workshop on Industrial Problems on Machines and Mechanisms- IPRoMM 2016 VNIT Nagpur 22-23 December, 2016.
12. P. V. Kane and A. B. Andhare, "Design and development of intelligent diagnostic system for end of assembly line inspection of gearbox", 12th National workshop on Industrial Problems on Machines and Mechanisms- IPRoMM 2016, VNIT Nagpur 22-23 December, 2016.
13. Neelesh Kumar Sahu, Makarand Channe and Atul Andhare, "Multi sensor tool condition monitoring in end milling of Ti-6Al-4V", 12th National workshop on Industrial Problems on Machines and Mechanisms- IPRoMM 2016, VNIT Nagpur, 22-23 December, 2016.
14. Neelesh Kumar Sahu, and Atul Andhare, "Minimization of surface roughness for milling of Ti-6Al-4V using response surface methodology", 12th National workshop on Industrial Problems on Machines and Mechanisms- IPRoMM 2016, VNIT Nagpur, 22-23 December, 2016.
15. Vinay Thute and Atul Andhare, "Artificial neural network application for diagnosis of inter turn and ball bearing faults in an induction motor with vibration data", International Conference on Condition Monitoring, ICCM-2016 GITAM University, Vizag, 26-27 October, 2016.
16. Atul Andhare, Devarsh Gupta, Govind Patel, Sidhanshu Khursange, Saiprasad Mukdadw, "Noise reduction in portable drilling machine", International Conference on Condition Monitoring, ICCM-2016 GITAM University, Vizag 26-27 October 2016.
17. Prasad Kane and Atul Andhare, "On line intelligent multi fault diagnosis using virtual instrumentation for end of assembly line inspection for gearbox", International Conference on Condition Monitoring, ICCM-2016 GITAM University, Vizag 26-27 October 2016.
18. Abhishek Thote, Rashmi Uddanwadiker, Sunita Shrivastava and Krishna Sharma, "Optimum criteria for intrusion of a maxillary central incisor in lingual orthodontics: a numerical study", Asia-Pacific Conference on Life Sciences and Biological Engineering (APLSBE) Nagoya, Japan 29-31 March, 2017.
19. Shubham Ramteke, Dr. Rashmi Uddanwadiker, Aneesh Kale, Gaurav Gupta, Dr. Rajendra Saoji, "Gastrostomy Feeding Button - Design and Development of Gastrostomy Feeding button", 2nd

International Conference and Expo on Biomechanics and Implant Design, Las Vegas, Nevada, USA, 07-09 November, 2016.

20. Veer Alakshendra, Shital S. Chiddarwar, "Robust Adaptive Control of Mecanum Wheel Mobile Robot: Simulation and Experimental Validation", IEEE/RSJ International Conference on Intelligent Robots and Systems, Daejeon, Korea, October 9-14, 2016.
21. Saumya Ranjan Sahoo, Shital S. Chiddarwar, "Dynamic modelling of four-wheel skid mobile robot by unified bond graph approach", International Conference on Robotics: Current Trends and Future Challenges (RCTFC), Tanjavur, India, December 19-20, 2016.
22. Parag Khanna, Khushdeep Singh, K.M. Bhurchandi and Shital Chiddarwar, " Design Analysis and Development of Low Cost Underactuated Robotic Hand", ROBIO-2016, IEEE, International Conference on Robotics And Biomimetics Qingdao, China, December 3-7, 2016.
23. Akash Singh, Anshul Paigwar, Saiteja Manchukanti, Manish Saroya, Manish Maurya, Shital Chiddarwar, "Design and Implementation of Omni-directional Spherical Modular Snake robot", (OSMOS) IEEE International Conference of Mechatronics ICM-2017 Gipssland, Australia, February 13-15, 2017.
24. Ankur Jaiswal, H. P. Jawale, "Optimization of structural error in four-bar linkage with five accuracy points", Proc. XII IPRoMM-2016 (Challenges in Manufacturing), VNIT Nagpur, 22-23 Dec 2016.
25. Ankur Jaiswal, H. P. Jawale, "Comparative study of structural error in four bar mechanism for hyperbolic functions", IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017), MNNIT Allahabad 3-5 February 2017.
26. V. Gupta, A.K. Singh, " Shear Rate Dependence of Static Friction at a Soft Hydrogel-Glass Interface CHEMIX-2017 VNIT, Nagpur 25th-26th March, 2017.
27. V. Gupta, A.K. Singh, "A friction model for rate dependent slip dynamics of tire-road interaction IPRoMM, 2016, VNIT, Nagpur 22-23 Dec, 2016.
28. N. Sinha, A.K. Singh, "Chaotic behavior of the three state variable rate and state friction model", Conference on non-linear system and dynamics, IISER, Kolkata 16-18 Dec, 2016.
29. Singh, A.K., Singh, T.N, "A numerical study on a rock slope failure with Rate, State, and temperature and pore pressure friction (RSTPF) model ICCMS 2016, IIT Bombay, 27 June-1 July, 2016.
30. Sinha, N. and Singh, A. K., "Frictional Stability of anti-plane sliding half spaces with rate, state and temperature friction Model", INDOROCK 2016, IIT Bombay, 17-18 th June, 2016.
31. Arun K. Singh, Shraddha Gondane, "Behavior of Boundary Lubricated metal surfaces under low speed sliding and High Load conditions, CHEMIX-2016, VNIT, Nagpur April 2016.
32. Rahul Mali, M. T. Telsang, T. V. K. Gupta, "Real time tool wear condition monitoring in hard turning of Inconel 718 using sensor fusion system", ICAAMM-2016, Hyderabad, 7-9, July, 2016.
33. Abhishek Tomy, Bhushan Zade, Gaurav Tiwari, T V K Gupta, Ravikumar D, " Influence of Friction Co-Efficient at Chip-Tool Interface on Orthogonal Cutting: Finite Element Analysis", IPRoMM-2016, VNIT Nagpur, 22-23 December, 2016.
34. Hanwate Y. and Gohil T. B., "Computational Fluid Dynamics Analysis of Vertical Axis Darrieus Wind Turbine", Fluid Mechanics and Fluid Power, MNNIT, Allahabad, Dec 15-17, 2016

35. Arunkumar H S, Chidanand Mangrulkar, Rahul Ikhar and Trushar Gohil, "Two - Dimensional Study of Cylinder Wake Interaction with the Flat Plate Boundary Layer with RANS Modeling", Fluid Mechanics and Fluid Power, MNNIT, Allahabad, Dec 15-17, 2016.
36. Saikat Das, Swapnil Soni, Saurabh Punyapwar and Trushar Gohil, " Numerical Study of Fluid Flow and Heat Transfer Inside a Twisted Square Duct", Fluid Mechanics and Fluid Power MNNIT, Allahabad Dec 15-17, 2016.
37. Rahul Khatri, Sachin Kanhurkar, Gautam Kumar, Ravikiran Balaga and Trushar Gohil, "CFD Approach of Laminar Forced Convection of Nanofluids over Staggered Circular Tube Banks", Fluid Mechanics and Fluid Power MNNIT, Allahabad, Dec 15-17, 2016.
38. Ankita Pujahari, Dixit Arya, Abhay Pratap Singh, Vandita Shahu and Trushar Gohil, "CFD Modeling of Dilute Particle Laden Flow in an U-Bend", Fluid Mechanics and Fluid Power, MNNIT, Allahabad Dec 15-17, 2016.
39. Rahul Kumar, Ajay Gedam, Gaurav Chaudhari, Hemant Kumar and Trushar Gohil, "Numerical Simulation of Impinging Jet over Flat Heated Surface Fluid Mechanics and Fluid Power", MNNIT, Allahabad Dec 15-17, 2016.
40. Nikhil Sharma, Dipak Vaghani, Sushama Sahu and Trushar Gohil, " 3D Numerical Simulation of Plume Dispersion in Open Atmosphere", Fluid Mechanics and Fluid Power, MNNIT, Allahabad Dec 15-17, 2016.
41. Akshay Wagh, Asmita Rahatgaonkar, Samrat Patil, Sudhir Urkude and Trushar Gohil, "Numerical Investigation of Buoyancy-Driven Flow in a Horizontal Square Duct Heated from Below", Fluid Mechanics and Fluid Power, MNNIT, Allahabad Dec 15-17, 2016.
42. Chinmayee Behera, Raju Sonkar, Rahul Mathurkar and Trushar Gohil, "Steady Natural Convection in a 2D Cavity Filled with a Porous Matrix Having Constant Temperature Heat Source", Fluid Mechanics and Fluid Power, MNNIT, Allahabad, Dec 15-17, 2016.
43. Mahesh Sawardekar, Jayesh Warke, Karthik J. and Trushar Gohil, " Effect of Submerged Vortex Generator on a S-Duct Flow", Fluid Mechanics and Fluid Power, MNNIT, Allahabad Dec 15-17, 2016.
44. Rajasekarababu K B, Paramananda Padhi, Abhijit Waghe and Trushar Gohil, "Numerical Simulation and Validation of Turbulent Flow around Surface Mounted Bluff Body", Fluid Mechanics and Fluid Power, MNNIT, Allahabad, Dec 15-17, 2016.
45. Vivek Patel, Gaurav Tiwari, Ravikumar Dumpala, " Numerical study of crushing behaviour of circular frusta tube under eccentric loading", XII IPRoMM, VNIT Nagpur, 21-24 Dec, 2016
46. G. Tiwari, M.A. Iqbal, P.K. Gupta, ""Influence of Target Span and Boundary Conditions on Ballistic Limit of Thin Aluminum Plate" IMPLAST 2016, IIT DELHI, 12-15 December, 2016.
47. Tiju Thomas, Gaurav Tiwari, "Crashworthiness behavior of honeycomb structure", IMPLAST 2017 IIT DELHI, 12-15 December, 2016.
48. Swapnil Shahane, Gaurav Tiwari, "Numerical Analysis of circular tube under quasi-static lateral compression for Aluminum 7005, 7075 using Ls-Dyna", XII IPRoMMVNIT, 21-24 Dec 2016.
49. Suggala Sai Chaitanya, Solipuram Monisha, vaibhav Dhote, Gaurav Tiwari, Trushar Gohil, " Fluid Structure interaction of a shock tube", XII IPRoMMVNIT 21-24 December, 2016.

50. Vikas Gohil, Y. M. Puri, "Experimental study of material removal rate in electrical discharge turning of titanium alloy (Ti-6Al-4V), ICMAE 2016, Hong Kong, 29-31 Dec. 2016.
51. Sanjay K Sharma, Obaid ul H Ansari, V R Kalamkar, " Numerical Analysis of Solar Air Heater with Compound Turbulators", FMFP2016, MNIT, Allahabad, 15-17 Dec 2016.
52. Ranjan Kishore Mallick, Thombre S B, "Effect of compressive force by clamping torque on performance of DMFC", Proceeding: XII IPRoMM, Nagpur, 22 and 23 Dec , 2016.
53. Lautre N.K., Gupta P.K. and Jawalkar C, "Analysis of Material Removal in WEDM operation on E0300 Alloy Steel through Channel Coding", paper ID 0500, The 7th TSME International conference on Mechanical Engineering, Thailand, 13-16 December, 2016.
54. Lautre N.K., Sharma A.K., Kumar P. and Das S., "Comparision of Microwave assisted and Conventional method for drilling of perspex", paper ID 310, The 6th International & 27th All India Manufacturing Technology, Design and Research Conference, AIMTDR 2016, India, 16-18 December, 2016.
55. Nikhil Bauskar, Rahul A Mali, T V K Gupta, "FEA Based Simulation and Experimental Analysis of Forces in Dry Milling of Inconel 718", Atlantis Press: 2nd International Conference on Communication and Signal Processing (ICCASP 2016), Vol. 137, PP.206-211, 26-27, Dec 2016

METALLURGICAL AND MATERIALS ENGINEERING

- 1 K.S.N. Satish Idury, B.S. Murty and Jatin Bhatt "An atomic cluster model to understand localized deformation behavior in metallic glass", International Conference on Metals and Materials Research (ICMR 2016), Indian Institute of Science, Bangalore, June 20-22, 2016.
- 2 Jatin Bhatt "Investigation on Mechanical Behavior of Nanocomposite derived from Zr based Metallic Glass", 4th The International Conference on Advances in Materials and Materials Processing (ICAMMP-IV), Indian Institute of Technology, Kharagpur November 5-7, 2016. (Invited)
- 3 K.S.N. Satish Idury, B.S. Murty and Jatin Bhatt "Indentation response on different substrates for Zr₆₇Cu₃₃ Metallic Glass ribbon", 4th The International Conference on Advances in Materials and Materials Processing (ICAMMP-IV), Indian Institute of Technology, Kharagpur, November 5-7, 2016,
- 4 Jatin Bhatt "Materials Education at the Edge of Industrial Needs" 54th National Metallurgists day & 70th Annual Technical meeting (NMD ATM 2016), Indian Institute of Technology Kanpur, Kanpur, India. November 2016. (Invited)
- 5 K.S.N. Satish Idury, K. Guruvidyathri, Kaivalya Deo, B.S. Murty and Jatin Bhatt "On high entropy bulk metallic glass formation in Zr-Ti-Cu-Ni-Al system based on binary eutectic cluster model and CALPHAD", 54th National Metallurgists day & 70th Annual Technical meeting (NMD ATM 2016), Indian Institute of Technology Kanpur, Kanpur, India. November 2016, (Best Oral Presentation Award).
- 6 Sai Smaran, Arvindha Babu, Anuj Khond, Jatin Bhatt, Ajeet K. Srivastav, and Bhaskar Majumdar "Glass forming ability, thermal stability and indentation characteristics of Hf-Cu-Ni metallic glasses", 54th National Metallurgists day & 70th Annual Technical meeting (NMD ATM 2016), Indian Institute of Technology Kanpur, Kanpur, India, November 2016.

- 7 K.S.N. Satish Idury, B.S. Murty and Jatin Bhatt “On optimization of non equiatomic high entropy bulk metallic glass compositions: A thermodynamic modeling study, Workshop on High Entropy Alloys”, organized jointly by Indian Institute of Technology-Hyderabad and University of Hyderabad, Hyderabad, India, 11-12th March, 2017. (Invited)
- 8 Ritesh Kumar, Praveen, Azmeera Maibu, Vikram Hastak, Saurabh Kumar Rai, D.R. Peshwe and Ajeet K. Srivastav, “TiO₂ nanoparticles for photocatalytic applications”, CHEMIX'17, Visvesvaraya National Institute of Technology Nagpur; March, 2017. (Best Paper Award)
- 9 Vikram Hastak, Saurabh Kumar Rai, Mangesh Lodhe, Niraj Chawake, Zahoor Ahmed Wani, Suaib Luqman, D.R. Peshwe and Ajeet K. Srivastav, “In-Vitro cytotoxicity study of rGO-Fe₃O₄ nanocomposite for biomedical applications”, MRSI 2017, Indian Institute of Technology Bombay, Febraury, 2017.
- 10 Sai Smaran, Anuj Khond, Arvinda Babu, Jatin Bhatt, Bhaskar Majumdar and Ajeet K. Srivastav, “Glass forming ability, thermal stability and indentation characteristic of Hf-Cu-Ni metallic glass”, NMD-ATM 2016, Indian Institute of Technology Kanpur; November, 2016.
- 11 Vikram Hastak, Saurabh Kumar Rai, Niraj Chawake, Mangesh Lodhe, Zahoor Ahmed Wani, Suaib Luqman, D.R. Peshwe and Ajeet K. Srivastav: In-Vitro cytotoxicity study of superparamagnetic iron oxide (Fe₃O₄) nanoparticles for biological applications. NMD-ATM 2016, Indian Institute of Technology Kanpur; November, 2016.
- 12 Vikram Hastak, Saurabh Kumar Rai, Niraj Chawake, Mangesh Lodhe, Dhananjay Kumar Singh, Suaib Luqman, D.R. Peshwe and Ajeet K. Srivastav, “Antibacterial activity of superparamagnetic iron oxide (Fe₃O₄) nanoparticles for biological applications” 4th International Conference on Advances in Materials and Materials Processing (ICAMMP-IV, 2016), Indian Institute of Technology Kharagpur, November, 2016.
13. Nikhil Cherukupally, Akhil Madipelly, Sandeep Ganji, Ajay Pratap Singh, Ajeet K. Srivastav, “Synthesis and characterization of magnetic iron oxide nanoparticles using co-precipitation method”, CHEMIX'16, Visvesvaraya National Institute of Technology Nagpur, April, 2016.
14. Dibya Jyoti Borah, P.K. Patowari, A. A Likhite, “Machinability Study of ADI Using Wire EDM”, XXX International Conference on Surface Modification Technologies (SMT 30), Milan, Itali, 29 June – 01 July, 2016.
15. Jeetendra Kumar Malav, Ramesh C. Rathod, Suresh S. Umare, "Synthesis, Characterization and Anticorrosive performance of Electroactive polyimide/graphitic carbon nitride composites", Surface Engineering and Paint Coatings with EXPO 2017, Pune, February, 15-17, 2017.

MINING ENGINEERING

1. Ishwardas L Muthreja, Aniruddha Ghare, Rajendra Yerpude And Liladhar Dhote, "Feasibility Study of Overburden Material for Hydraulic Stowing in Mines", SME Annual Conference & Expo and CMA 119th National Western Mining Conference, Denver, USA, Feb 2017.

2. N.R.Thote, "Highwall mining: a new futuristic coal mining technology for recovery of locked coal", First International conference on 'Mining in Europe' AIMS 2016" organized by Aachen RWTH University, Aachen, Germany. pp.175, 17-19 May 2016
3. N.R.Thote & Narendra Choudhari, "Implementation of new technology in Indian coal mining sector: a step towards sustainable development", Int. conference on 'Sustainable development and natural resources: global challenges and prospects, Saint Petersburg, Russia, 2016.
4. N.R.Thote, Wajid Sohail, M.R. Saharan, "Effect of shape of opening on the stability of caverns: an experimental analysis", Int. conference on Recent advances in rock Engineering, org by NIRM, Bangalore, pp. 382, Nov.2016.
5. N.R.Thote, "Societal Impacts on Blast Management in Quarries Near Urban Area, Int. Conference on Next Generation Technologies for Mining and Fuel Industries, Vighyan Bhavan, New Delhi Org by DST, 2017.
6. Kompally Karunakar, Malla Chaitanya, I. L. Muthreja, "Slope stability analysis by using Universal Distinct Element Code", Proc. INDOROCK-2016, IIT Bombay, Mumbai, June 2016.
7. Shashank Sharma, I.L. Muthreja, Jay Aglave; " Variation of tunnel support loading in elasto-plastic rock mass with face advance"; Proc. INDOROCK-2016, IIT Bombay, Mumbai, June 2016.
8. S.S.Gupte, "Optimisation of internal dump capacity and stability analysis in a coal mine - a case study", APSSIM 2016 Proceedings of the First Asia Pacific Slope Stability in Mining Conference, Brisbane, Queensland, Australia, pp. 557-570, 6-8, September 2016
9. Sahu P, Lokhande R D, Pradhan M & Jade R K "Study the variations of sinkhole depth with respect to working height in underground coal mines "International Conference Recent Advances on Rock Engineering (RARE: 2016) at Bengaluru, India, Organized by, NIRM & ISRM, Bengaluru, INDIA, ISSN : 2352-5401 Vol: 91, pp. 547-551, November 2016.
10. Jena S. K., Lokhande R D, Pradhan M & Prasad K, "Analysis of strata control monitoring in Indian underground coal mining for apprehension of strata movement, a case study from SECL". International Conference Recent Advances on Rock Engineering (RARE: 2016) at Bengaluru, India, Organized by, NIRM & ISRM, Bengaluru, INDIA, ISSN: 2352-5401 Vol: 91, pp. 547-551, November 2016.



Books Authored

11. BOOKS AUTHORED DURING THE YEAR 2016-17

ARCHITECTURE AND PLANNING

Sr. No.	Author	Title of the Book	Publisher
1	S. Deshkar & V.S.Adane	Community Resilience Approach for Prioritizing Infrastructure Development in Urban Areas	Urban Disasters and Resilience in Asia, Eds. Rajib Shaw, Atta-ur-Rahman, Akhiles Surjan and Gulhan Ara, Elsevier Publication

CHEMISTRY

Sr.No	Author	Title of the book	Publisher
1.	Anupama Kumar, Deepali Rahangadale	Acceptance of Book chapter entitled as "Derivatised Chitosan: Fundamentals to Applications" for publication in the book Biopolymer Grafting: Applications being published by Elsevier.	Elsevier
2.	Dr. Umesh Pratap	The Benzimidazole (M.Sc. Thesis)	Lambert Publication, Germany
3.	Vinay M. Bhandari, Laxmi Gayatri Sorokhaibam, Vivek V. Ranade	Book chapter on Ion Exchange Resin Catalyzed Reactions: An Overview in the book "Industrial Catalytic Processes for Fine and Specialty Chemicals", Page no. 389-422, April 2016.	Elsevier

CHEMICAL ENGINEERING

Sr.No.	Author	Title of the Book	Publisher
1.	Trivedi, Nikhilesh S., Sachin A. Mandavgane	Recent advances in Chemical Engineering	Springer
2.	Bhaskar D Kulkarni and Sachin A Mandavgane	Introduction to Sustainable Engineering: A course module for undergraduates, a course book for internal circulation among students.	--

CIVIL ENGINEERING

Sr. No.	Name of the Author	Title of the Book	Publisher
1.	Dr. R V Ralegaonkar, Dr. M V Madurwar & Dr. V V Sakhre	Reference Source Book 'Smart Cities as a solution for reducing urban waste and pollution'	IGI
2.	Meshram M.L. and Lataye D.H.	Activated Carbon from Karanja (Pongamia Pinnata) Seed Shell by Chemical Activation with Phosphoric Acid. Process Modeling, Simulation, and Environmental Applications in Chemical Engineering	Apple Academic Press (distributed by CRC Press, a Taylor & Francis Group), NJ USA

COMPUTER SCIENCE AND ENGINEERING

Sr.No.	Author	Title of the Book	Publisher
1.	Kothari D. P Shrimankar D D Amit Bhende	Computer Graphics in Mathematical Approaches	New Age publishers

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr.No.	Author	Title of the Book	Publisher
1.	M.V.Aware	Application note on " <i>Power Quality in Steel Re-rolling Industries</i> "	Asia Power Quality Initiative, Mumbai, pages1-66, www.apqi.org

HUMANITIES AND SOCIAL SCIENCES

Sr.No.	Author	Title of the Book	Publisher
1.	Dr. G.N.Nimbarte	Social and Ethical Sciences for Engineers(ISBN:978-93-83164-55-4)	Mangesh Publication, Nagpur
2.	Dr. M.Ghosal & Hemangi Patil	Sita's Altruism in Anita Desai's Novel, "Where Shall We Go This Summer. Book chapter in Commonwealth Literature: An Anthology of Mosaic Themes (ISBN978-93-5207-4853)	Authors Press, New Delhi

MECHANICAL ENGINEERING

Sr.No.	Author	Title of book	Publisher
1.	Shital S. Chiddarwar, Abhishek Jha, Veer Alakshendra	Lecture Notes in Mechanical Engineering :CAD/CAM, Robotics and Factories of the Future (Chapter No: 26)	Springer India
2.	Shital S. Chiddarwar, Veer Alakshendra, Abhishek Jha	Lecture Notes in Mechanical Engineering :CAD/CAM, Robotics and Factories of the Future (Chapter No: 27)	Springer India

METALLURGICAL AND MATERIALS ENGINEERING

Sr.No.	Author	Title of the Book	Publisher
1.	Dr. R.V. Taiwade Jagesvar Verma	Duplex Stainless Steel-An Industrial Need; A Review ISBN: 978-3-659-97124-2	Lambert Academic Publishing, Germany



Participation in Conferences

12. PARTICIPATION IN INTERNATIONAL / NATIONAL CONFERENCES IN INDIA & ABROAD

APPLIED MECHANICS

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
1	Dr. O R Jaiswal	BHU, Varanasi	16-17 Dec. 2016
2	Dr. M M Mahajan	Nagpur International Conference on Emerging Technology in Structural Engineering ETSE- 2017	17-18 March 2017
3	Dr. S S Gadve	Auckland New Zealand	13-17 March 2017
4	Dr. R K Ingle	Nagpur, India	21 -23 January 2016.
5	Dr. R K Ingle	Nagpur, India	17 th March 2017.
6	Dr. R K Ingle	Jamshedpur	26 th Feb 2017

ARCHITETURE AND PLANNING

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
1	Dr. Vinayak S. Adane	Aichi Gakuin University, Nagoya, Japan	21-23, December 2016
2	Dr Sameer M. Deshkar	Aichi Gakuin University, Nagoya, Japan	21-23, December 2016
3.	Dr. Rajashree Kotharkar	National University of Singapore, Singapore	30 May to 1 June 2016

CHEMISTRY

Sr.No.	Name of faculty	Place of conference	Date of conference
1	Dr.S.S. Umare	Dept. of Chemical Engineering, VNIT Nagpur. STTP on Nanoscience and Nanotechnology, Talk on Design of Visible Light Responsive TiO ₂ Nanoparticle for Environmental Remediation: Green Chemistry Approach.	06–10 July 2016
2	Dr.S.S. Umare	Sharda University, Greater Noida National Conference on Industrial Materials Talk on 'Design of Visible Light Active Nanocomposites for Environmental Remediation'.	21-22 October, 2016
3	Anupama Kumar,	9 th International Conference on Molecular Imprinting; Lund University, Sweden	26-30 June 2016; Oral Presentation
4	Anupama Kumar	XXXV ANNUAL CONFERENCE of INDIAN COUNCIL OF CHEMISTS (www.chemicc.com) HARIBHAI V. DESAI COLLEGE PUNE in association with COLLEGE OF ENGINEERING, Pune	22- 24 December, 2016 Oral Presentation

Sr.No.	Name of faculty	Place of conference	Date of conference
5	Dr. Sujit Kumar Ghosh	BITS Pilani Goa Campus, Zuarinagar	28-29 January, 2017
6	C. Das	International Conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2016), Mahatma Gandhi University, Kottayam, Kerala, India.	13-15 May, 2016
7	C. Das and Naresh Bansod	National Conference on “Multifunctional Advanced Materials”, Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur, India	17-18 March, 2017
8	Dr. Atul V. Wankhade	International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN) Mahatma Gandhi University, Kottayam, Kerala, India	10-12 February 2017
9	Sangesh Zodape	Santilli International Symposium (International Symposium on Sustainable Mathematics Applications) 2016 - Sustainable Industrial Processing Summit & Exhibition at Sanya Marriott Yalong Bay Resort & Spa, Hainan-Island China” (Office order: Estt/A/5578 dated 26 oct., 2016)	06-10 November, 2016
10	Dr. Umeshpratap	IISER, Bhopal	9-10 Decmeber, 2016
11	Susanta Kumar Nayak	IISER, Pune	10-13 July, 2016
12	Susanta Kumar Nayak	IIT, Dhanbad	07-09 December, 2016
13	Susanta Kumar Nayak	Berhampur University, Odisha	03-05 March, 2017
14	Dr. Sorokhaibam Laxmi Gayatri	Dept. of Physics, St. Thomas College Palai, Kerala	05-08 June 2016
15	Dr. Sorokhaibam Laxmi Gayatri	IIT Guwahati	17-20 May, 2016
16	Abhishek Banerjee	NIT Kurukshetra, Kurukshetra	21-26 March, 2017
17	Sandipan Halder	IIT Bombay, India	11-16 December, 2016

CHEMICAL ENGINEERING

Sr. No.	Name of faculty	Place of conference	Date(s) of conference
1	Dr. S. A. Mandavgane	India International Science Festival, NPL, Delhi	8-11 Dec, 2016
2.	Dr. S M. Kodape	Chemix,17,VNIT,Nagpur	25-26 March, 2017
3	Dr. A. S. Chaurasia	National Conference on Interdisciplinary Blend of Chemical Engineering (CHEMIX 2017), VNIT, Nagpur, India	25-26 March, 2017
4	Dr. A. S. Chaurasia	32 nd M. P. Young Scientist Congress” Bhopal, India	10-11 March, 2017
5	Dr. A. S. Chaurasia	‘Petrotech 2016 - 12 th International Conference on Oil and Gas’ organized by Ministry of Petroleum and Natural Gas, New Delhi, India	5- 7 December ,2016
6	Dr. A. S. Chaurasia	National Conference on Interdisciplinary Blend of Chemical Engineering (CHEMIX 2016), VNIT, Nagpur, India	2-3 April, 2016
7	Dr.A.P.Rathod	“CHEMIX-17”a National Conference on inter-disciplinary areas of chemical engineering	23-24 March 2017
8	Dr. D.Z. Shende	VNIT Nagpur	25-26 March 2017
9	Dr. A. S. Chaurasia	National Conference on Recent Trends in Chemical Engineering and Technology (REACT 2016), Laxminarayan Institute of Technology, Nagpur, India	27-28 February 2016

CIVIL ENGINEERING

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
1	Dr. A. D. Ghare	HYDRO 2016 International, at CWPRS, Pune	8-10 December 2016
2	Dr. A. D. Ghare	Water Resources & Flood Management with special reference to Flood Modeling” SVNIT-Surat	14-15 October 2016
3	Dr. A. Mandal	Orlando, USA	12-15March 2017
4	Dr. Anjan Patel	(Brain-Storming Session onEnvironmental Geotechnics organized by DST & IIT Bombay) Ronil Resort, Goa	24-25 January 2017

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
5	Dr. R.V.Ralegaonkar	International conference on emerging technology in structural engineering organised by KDKCE, Nagpur, IEI, Nagpur ICI, Nagpur & IFERP (Technical Member)	17-18 March 2017
6	Dr. R.V.Ralegaonkar	Invited panelist for the annual national level civil engineering technical symposium titled 'Lean Kaizen for Smart Construction' is organized by Maharashtra Institute of Technology, Pune	24-25 February 2017
7	Dr. R.V.Ralegaonkar	Invited talk on Overview, concepts and case studies in Green Buildings, Organized by Water Resource Department, Nagpur	15-17 February 2017
8	Dr. R.V.Ralegaonkar	Invited talk on 'Green Building Technologies', MSBTE's Faculty Development Training Program, Government Polytechnic, Nagpur.	16-20 January 2017
9	Dr. R.V.Ralegaonkar	Invited talk on 'Sustainable Construction Materials' National Conference on Emerging Trends in Civil Engineering G H Raisoni College of Engineering, Nagpur	17-18 May 2016
10	Dr. R.V.Ralegaonkar	Invited talk on 'Construction Materials for Sustainable Smart City' Key note Lecture during International Conference on Recent Trends in Engineering & Material Sciences, Jaipur National University, Jaipur.	18 March 2016
11	Dr. M.V. Madurwar	Invited panelist for the annual national level civil engineering technical symposium titled 'Lean Kaizen for Smart Construction' is organized by Maharashtra Institute of Technology, Pune	24-25 February 2017
12	Dr. M.V. Madurwar	Invited talk on 'Green Building Technologies', MSBTE's Faculty Development Training Program, Government Polytechnic, Nagpur.	16-20 January 2017
13	Dr. M.V. Madurwar	Invited talk on 'Energy Efficient Buildings' for Workshop on 'Sustainability in Civil Engineering' in NEEV 2016 Organized by Civil Engineering Department Shri Ramdeobaba College of Engineering and Management, Nagpur	19 October 2016

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
14	Dr. M.V. Madurwar	Invited talk on 'Sustainable Construction Materials' in Short Term Training Program on Recent Trends in Engineering Materials Organized by PBCOE, Nagpur	19 July 2016
15	Dr. M.V. Madurwar	Invited Talk on Project Management in Babasaheb Naik College of Engineering, Pusad	24 July 2016
16	Dr. M.V. Madurwar	Invited for full day expert session on Project Management using PM Software for the program, Project Management for Project Managers Organized by L&T Institute of Project Management (IPM), Vadodara.	19 December 2016
17	Dr. Rajesh Gupta	Annual convention of AWWA, ACE-2016, Chicago, USA	18-21, June 2016
18	Dr. Rajesh Gupta	National Workshop on Sustainable Water Management in India, Lucknow	18-19, April 2016
19	Dr. Rajesh Gupta	National Conference on Water Resources & Flood Management with special reference to Flood Modeling, SVNIT, Surat	14-15, October 2016.
20	Dr. Rajesh Gupta	International Conference on Smart Water Solution for Smart Cities, Pune	21-22, October 2016
21	Dr. Rajesh Gupta	49 th Annual Convention of IWWA, Nagpur	19-21 Jan., 2017
22	Dr. A B Mirajkar	SVNIT-Surat	Water Resources & Flood Management with special reference to Flood Modeling" October (14-15, 2016),
23	Dr. A B Mirajkar	CWPR&S Pune	International Conference on Hydraulics, Water Resources and Coastal Engineering, December(08-10, 2016)
24	Dr. A B Mirajkar	VNIT-Nagpur	49 th Annual Convention of IWWA on smart water management January (19 - 21), 2017.
25	Dr. Y B Katpatal	NBSS&LUP Nagpur	November, 2016
26	Dr. Y B Katpatal	21st International Conference on Hydraulics, Water Resources and Coastal Engineering	08-10 Dec. 2016

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
27	Dr. Y B Katpatal	International Conference on “Integrated Land Use Planning for Smart Agriculture –An Agenda for Sustainable Land Management” organized by Indian Society of Land Use Planning	10-13 November, 2016
28	Dr. Y B Katpatal	Invited Expert Lecture and session Chair (Plenary Session III) for National Conference on Emerging trends in Civil Engineering (NCETCE-16) organized by GHRCOE sponsored by TEQIP II on “Sustainable development of earth resources”	17 th May 2016
29	Dr. Y B Katpatal	Invited Expert Faculty in the Training Program for the officers of Mineral Economics division, Indian Bureau of Mines (IBM) from 16 th May-20 th May 2016 at IBM Nagpur on “Role of Remote sensing and GIS on Environment Impact assessment based studies”	18 th May 2016
30	Dr. Y B Katpatal	Invited Expert Faculty in the Training Program for the officers of Mineral Economics division, Indian Bureau of Mines (IBM) from 16 th May-20 th May 2016 at IBM Nagpur on “Role of Remote sensing and GIS for achieving sustainable development ”,	18 th May 2016
31	Dr. Y B Katpatal	Invited Expert Faculty in the Workshop (STTP) organized by Department of Humanities on “Research Methodology” during 16-22 May 2016 at VNIT Nagpur. Lecture delivered on “Creativity and application oriented research”	21 May 2016
32	Dr. Y B Katpatal	Invited lecture as Resource Person at GH Raisonni Teachers training Academy for engineering Colleges Teachers on “Achieving appropriate Pedagogy for engineering education in India”	08 June 2016
33	Dr. Y B Katpatal	Invited lecture as Resource Person at GH Raisonni Teachers training Academy for engineering Colleges Teachers on “Research in engineering institutes: Innovative content inclusion in engineering teaching”	08 June 2016

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
34	Dr. Y B Katpatal	Invited Lecture as resource person in the 92 nd Refresher Course in Sciences organized by Academic Staff College RTMNU, sponsored by UGC, for university college teachers on “Creativity in research and its applications”	25 June 2016
35	Dr. Y B Katpatal	Invited Lecture as resource person in the 93 rd Refresher Course in Environmental Sciences organized by Academic Staff College RTMNU, sponsored by UGC, for university college teachers on “Creativity in research and its applications””,	28 th June 2016
36	Dr. Y B Katpatal	Invited Lecture as resource person in the 93 rd Refresher Course in Environmental Sciences organized by Academic Staff College RTMNU, sponsored by UGC, for university college teachers on “Disaster Management: Uttarakhand, Kashmir Valley and Nepal: Scientific Analysis”,	29 th June 2016
37	Dr. Y B Katpatal	Invited Lecture as resource person in the 92 nd Refresher Course in Sciences organized by Academic Staff College RTMNU, sponsored by UGC, for university college teachers on “Disaster : Man Made or Natural: The improvised management practices”	8 July 2016
38	Dr. Y B Katpatal	Invited Lecture as resource person in the 94 th Refresher Course in Sciences organized by Academic Staff College RTMNU, sponsored by UGC, for university college teachers on “Disaster : An Development perspective and management practices”,	4 th October 2016
39	Dr. Y B Katpatal	Expert lecture in two day orientation program on “Climate Change” organized by Department of Civil Engineering Visvesvaraya National Institute of Technology, Nagpur sponsored by TEQIP II on 8-9 October 2016. Topic “Global Climate Change processes: An earth system perspective”	8 th Oct 2016

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
40	Dr. Y B Katpatal	Expert lecture in two day orientation program on “Climate Change” organized by Department of Civil Engineering Visvesvaraya National Institute of Technology, Nagpur sponsored by TEQIP II on 8-9 October 2016. Topic “Remote Sensing and GIS applications for monitoring the Global Climate Change processes”	9 th Oct 2016
41	Dr. Y B Katpatal	Invited Expert Lecture in the International Conference on “Integrated Land Use Planning for Smart Agriculture–An Agenda for Sustainable Land Management” November 10-13, 2016, Nagpur, India, organised by Indian Society of Land Use Planning on the topic “Water Resources management in the context of Global Climate Change”, at Hotel Tuli Imperial	12 November.2016
42	Dr. Y B Katpatal	Invited Lecture as resource person in the 95 th Refresher Course in Environmental Sciences organized by Academic Staff College RTMNU, sponsored by UGC, for university college teachers on “Global Climate Change : The Earth Perspective”	16 November 2016
43	Dr. Y B Katpatal	Expert lecture at the CPHEEO sponsored refresher course on ‘Computer aided design of pipe line and pipe networks for water supply and sewerage system from 19-25 Nov. 2016, on 22 nd Nov 2016. on “GIS and Remote sensing Applications for water and sewer networks	22 November 2016
44	Dr. Y B Katpatal	Expert lecture at the CPHEEO sponsored refresher course on ‘Computer aided design of pipe line and pipe networks for water supply and sewerage system from 19-25 Nov. 2016, on 22 nd Nov. on “Demonstration of Software based on Digital Image Processing and Geographical Information System”.	22 November 2016

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
45	Dr. Y B Katpatal	Invited lecture as Resource Person at GH Raisoni Teachers training Academy for engineering Colleges Teachers on "Achieving appropriate Pedagogy for engineering education in India"	17 December 2016
46	Dr. Y B Katpatal	Invited lecture as Resource Person at GH Raisoni Teachers training Academy for engineering Colleges Teachers on "Research in engineering institutes: Innovative content inclusion in engineering teaching"	17 December 2016
47	Dr. Y B Katpatal	Key Note Expert Lecture and Guest of Honor at the National Seminar on "Wetlands for Future Security" on 2nd February 2017 on the occasion of World Wetland Day in association of State Forest Department, Govt. of Maharashtra & Vanrai Foundation, Nagpur, on the topic "Monitoring of Wet Lands through Remote Sensing Techniques" at BRA College Nagpur.	2nd February 2017
48	Dr. Y B Katpatal	Invited Lecture as "Prof Kilpady Sripadrao Special Lecture" on "Water Resources Management using Remote Sensing and GIS" organized by PG Department of Geology RTMNU. Nagpur, on 1.03.2017 at Post Graduate Department of Geology, RTM University Nagpur.	1 March 2017
49	Dr A.R. Tembhurkar	49 IWWA Annual Convention 2017 on "Smarter Water Management", at Nagpur	19- 21 January 2017
50	Dr A.R. Tembhurkar	International Conference on Recent Advance in Civil and Environmental Engineering (RACEE 2017) on, at WCE Sangli	4 -5 March 2017

COMPUTER SCIENCE AND ENGINEERING

Sr. No.	Name of the faculty	Place of conference	Date(s) of conference
1.	Dipti Shrimankar	Naples, Italy	28 Nov- 1 Dec 2016

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr. No.	Name of faculty	Place of conference	Date(s) of conference
1	H. M. Suryawanshi	Florence, Italy	24-27 October, 2016
2	H. M. Suryawanshi	Trivandrum, India	14 – 17 th Dec 2016
3	M.V.Aware	Trivendrum, India	14-19 Dec 2016
4	M. A. Chaudhari	Pune, India,	19-21 Dec.2016.
5	V. S . Kale	San Francisco, USA	6-7 Dec., 2016
6	Dr. Ritesh Kumar Keshri	Florence, Italy	24-27 October, 2016
7	Dr. Ritesh Kumar Keshri	DRDO Chennai	24-25 March,, 2017
8	Dr Pradyumn Chaturvedi	Thiruvananthapuram, Kerala, India	13-17 Dec 2016
9	Dr. M.S.Ballal	Florence, Italy	24-27 October, 2016

ELECTRONICS AND COMMUNICATION ENGINEERING

Sr. No.	Name of faculty	Place of conference	Date(s) of conference
1	Dr. Vishal R. Satpute	Singapore	22 – 25 November 2016
2	Dr. Vishal R. Satpute	Bhartiya Vidyapeeth, New Delhi	1 – 3 March 2017

VLSI AND NANOTECHNOLOGY

Sr. No.	Name of faculty	Place of conference	Date(s) of conference
1	Prof. Rajendra M. Patrikar	3rd International Conference on Emerging Electronics, IIT Bombay	27 - 30 December, 2016
2.	Dr. Ganesh C. Patil	3rd International Conference on Emerging Electronics, IIT Bombay	27 - 30 December, 2016

HUMANITIES AND SOCIAL SCIENCES

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
1.	Dr. M. Ghosal	Hyderabad Pune(International) Jalgaon(International)	19 -20 Sept 2016 23-24 Sept2016 6 -7 Jan 2017
2.	Dr. Y.M Deshpande	Jabalpur Acharya Nagarjuna Univesity, Guntur	12 -14 Nov 2016 10- 12 March 2017
3	Dr. G.N.Nimbarte	New Delhi Tezpur University, Assam Jalgaon	25 th September 2016 29-30 Dec 2016 31 Jan- 04 Feb 2017

MATHEMATICS

Sr. No.	Name of faculty	Place of Conference	Date(s) of conference
1	Dr. G. P. Singh	Kalyani University, Kalyani (WB)	27-30 December, 2016
2	Dr. G. P. Singh	GLA University, Mathura (UP)	26-27 February, 2017
3	P. Pramod Chakravarthy	International Conference: BAIL 2016, Boundary and Interior Layers Computational & Asymptotic Methods at Beijing Computational Science Research Centre, Beijing, China	15-19 August 2016
4	P. Pramod Chakravarthy	Recent Advances on Theoretical and Computational Partial Differential Equations" held at Panjab University, Chandigarh.	05-09 Dec 2016.
5	G Naga Raju	Mahindra-École Centrale (MEC), Hyderabad, India	15-17 Dec 2016
6	Veerendra Vikram Awasthi	University of Jammu, JAMMU	20-22 October, 2016
7	Dr. D.K. Patel	King Mongkut's University of Technology, Thonburi (KMUTT)	18-20 May, 2016
8	Dr. D.K. Patel	DSB Campus, Kumaun University, Nainital	17-19 October, 2016
9	Jyoti Singh	IISER Mohali	11-15 October, 2016

MECHANICAL ENGINEERING

Sr. No.	Name of Faculty	Place of conference	Date(s) of conference
1	Dr. Vilas Kalamkar	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune, India	6-10 Dec.2016
2	Dr. Vilas Kalamkar	Asian Congress on Gas Turbines at IIT Bombay	14-17 November 2016
3	Dr. Vilas Kalamkar	6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power at MNNIT Allahabad	15-17 December, 2016
4	Dr. Vilas Kalamkar	National workshop on Industrial problems on Machines and mechanisms at VNIT Nagpur	22-23 December, 2016
5	Dr.A.B. Andhare	VNIT Nagpur	22-23 Dec 2016
6	Dr.A.B. Andhare	GCOE Jalgaon	21 Jan 2017
7	Dr.R.V.Uddanwadiker	VNIT, Nagpur	19-23 Sept 2016

Sr. No.	Name of Faculty	Place of conference	Date(s) of conference
8	Dr. S.S. Chiddarwar	IIT Kanpur	19-23 Sept 2016
9	P.V.Kane	VNIT, Nagpur	22-23 Dec 2016
10	Dr.A.K. Singh	IIT Bombay	27 June – 1 July 2016
11	Dr.T.V.K. Gupta	VNIT, Nagpur	9-13 August 2016
12	Dr.Trushar B.Gohil	VNIT Nagpur	9-14 August 2016
13	Dr. Ravikumar Dumpala	VNIT Nagpur	9-14 August 2016

METALLURGICAL AND MATERIAL SCIENCES

Sr. No.	Name of faculty	Place of conference	Date(s) of conference
1.	Dr. D.R. Peshwe	Department of Metallurgy and Materials Science, College of Engineering, Pune.	24-25, March, 2017. (National Workshop on Advances in Steel Technology: Processing, Properties & Performance)
2.	Dr. D.R. Peshwe	C-MET Pune.	March 8-10, 2017. (International Conference on Advanced Rechargeable Batteries & allied Materials (ICARBM) 2017).
3.	Dr. D.R. Peshwe	NIT Tiruchirapalli.	March 10-12, 2017. International Conference on Emerging Trends in Materials and Manufacturing Engineering (IMME) 2017
4.	Dr. R.K. Khatirkar	IISc, Bangalore.	13-15 th Feb 2017. International conference on texture, micro-texture and mechanical behavior.

MINING ENGINEERING

Sr. No.	Name of faculty	Place of conference	Date(s) of conference
1	Dr. R. R. Yerpude	Denver, Colorado, USA	19-22 February 2017
2	Dr. N.R.Thote	RWTH University, Aachen, Germany	16-18 May, 2016
3	Dr. N.R.Thote	Saint Petersburg Mining University, Saint Petersburg , Russia	28 Sept. - 2 Oct.2016
4	Dr. N.R.Thote	National Institute of Rock Mechanics, Bangalore, India	14-16 Nov 2016
5	Dr. N.R.Thote	Vigyan Bhavan, CSIR, New Delhi	15-17 Feb 2017
6	Dr. I .L. Muthreja	Denver, Colorado, USA	19-22 Feb 2017
7	Dr.S.S.Gupte	Brisbane, Queensland, Australia	6-8 Sept 2016
8	Dr.S.S.Gupte	IIT Bombay	30 Sept 2016
9	Dr. R. D. Lokhande	NIRM, Bangalore	16-18 Nov 2016
10	Sandeep Panchal	Turkey	29-31 August 2016

PHYSICS

Sr.No.	Name of faculty	Place of conference	Date(s) of conference
1.	Dr. V. K. Deshpande	XIX NSFD, MANIT, Bhopal	19-21 Dec, 2016
2.	Dr. V. K. Deshpande	C-MET, Pune	8-10 March, 2017
3.	Dr. Babasaheb R. Sankapal	C-MET, Pune	8-10 March 2017
4.	Dr. S.M. Giripunje	S.V. University, Tirupati, Indian Science Congress	3-7 Jan, 2017
5.	Dr. Poorva Singh	KIIT University, Bhubaneshwar, Orrisa	25-30 Dec, 2016



R & D Projects

13. R & D Projects

APPLIED MECHANICS

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
1	Smart System with failure alarm system & adaptive central system	COE, VNIT, Nagpur	15.01	Dr A Y Vyavahare Dr. A Tiwari Dr. A Dhabale	Ongoing
2	Capacity Building for Climate Change Adaptation and Mitigation with a Special Focus on Sustainable Habitat and Risk	Department of Science and Technology	115.8	PI: Dr. Rajashree Kotharkar, CoPI: Dr. Ratnesh Kumar, Dr. S. M. Deshkar	Granted on 30-03-2017 (Ongoing)
3	Evaluation of Toughcrete Steel Fibre – Concrete Composites	PDPL (Industry)	230.0	Dr. Ratnesh Kumar, Dr. R. K. Ingle	Ongoing

ARCHITETURE AND PLANNING

Sr. No.	Project Title	Funding Agency (wit date of award)	Cost of Projects (Rs. In lakhs)	Investigator(s)	Present Status of Project
1.	"Capacity Building for Climate Change Adaptation and Mitigation with a Special Focus on Sustainable Habitat and Risk Management"	DST (March 2017)	115.	Rajashree Kotharkar Ratnesh Kumar Sameer Deshkar	Ongoing
2.	Evolving strategies for mitigating urban heat island in Nagpur using 'Local Climate Zones' and Human Thermal Stress.	DST (April 2014)	29	Rajashree Kotharkar Sarika Bahadure	Ongoing
3	Socio-Ecological Resilience as Sustainable Development Strategies under the context of Emerging Disaster Risk for Rural Settlements in different Climatic Zones of India	START International Inc. USA	10	Dr. Sameer Deshkar	Ongoing

CHEMISTRY

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of project (Rs. In Lakhs)	Investigator	Present status of the project
1	'Development of TiO ₂ Quantum dots and their Composites for Photocatalytic Application'	DST SERB	46	Dr. S.S.Umare	Ongoing
2	Halogen-bonded supramolecules showing liquid crystalline properties	Science and Engineering Research Board (SERB)	45.6	Susanta Kumar Nayak	Ongoing
3	Synthesis and Characterization of mixed ferrite and its applications	UGC-DAE CSR	2.46	Sangesh Zodape	Ongoing
4	Biocatalysis for the sustainable development of organic synthesis	SERB	32.71	Dr. Umesh Pratap	Ongoing

CHEMICAL ENGINEERING

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
1	Removal of chlorinated herbicides from aqueous solution using biomass ashes	SERB	47.00	Dr S A Mandavgane and Dr. A. S. Chaurasia	Ongoing
2	Development and testing of microfine biopesticide	BRNS	22.50	Dr S A Mandavgane and Dr. S P. Tajane	Completed Technology transferred
3	Production of Liquid Hydrocarbons and Carbon Nanotubes using Waste plastic as precursor	Science and Engineering Research Board (SERB) 17 th July 2014	27	Dr. R. P. Vijayakumar	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
4	Extractive fermentation with surfactants to enhance butanol production	DBT, 26/12/2013	29.17	Dr. Pradip B. Dhamole	Completed
5	Experimental and Modeling Studies on the Ionic Liquid-Mediated Catalytic Conversion of Lignocellulosic Biomass to Fuel Products	SERB-DST (23/09/2016)	25.33	Dr. Ashwin Gaikwad	Ongoing
6	Model based optimal design and fabrication of lithium-ion coin cells using spent batteries	SERB-DST (1 st Oct. 2016)	33.64	Dr. Ravi N. Methekar Dr. Venkata Sailanathan	Ongoing
7	Nanoparticles of different shapes conjugated with drugs to achieve enhanced therapeutic efficacy in treatment of cancer	DST-SERB Extra Mural Research Funding, Government of India Date of Award: 17 th March 17	27.66	PI: Dr.C.Ravikumar Co-PI (s): Dr. Kailas L. Wasewar	Ongoing
8	Development of Controlled Shape and Size Metal Oxides Nanoparticles, Synthesis of Nanofluids and Application in Heat Exchanger	2014-17 DST	22	Dr.S. S. Sonawane	Completed
9	Development of High Performance Heat Transfer Nanofluids Using Carbon Nanotubes (SWCNT & MWCNT'S) Nanoparticles and Its Applications in Double Pipe Heat Exchanger	2016-17 DST	5.5	Dr. S. S. Sonawane	Completed

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
10	Rheological Study of Hydroxyl Terminated Polybutadiene (Htpb) – Aluminium Nanoparticle (ANP) – Ammonium Perchlorate (AP) Composite Suspension	HEMRL, DRDO Pune	10	Dr. K. L. Wasewar. Dr. D. R. Peshwe Dr. D. Z. Shende	Ongoing
11	Developing Functionalized Properties on Hollow Ceramic Microsphere for Specific Applications	DST SERB	46.98	Dr. D. Z. Shende	Ongoing
12	Exploring the various applications of fly ash conduction of testing of ash and other raw materials and industry based technology development	Vipra Ferro Alloys Ltd., Nagpur	6.6	Dr. D. Z. Shende Dr. K. L. Wasewar	Ongoing
13	Investigation of selective CO ₂ capture by graphene-carbon nanotube hybrid nanostructures using molecular dynamics simulations	SERB (DST) – Early Career Research Award	23.65	Dr. Piyush P. Wanjari	Ongoing
14	Extractive fermentation with surfactants to enhance butanol production	DBT	30	Dr. P. B. Dhamole Dr. K. L. Wasewar	Ongoing

CIVIL ENGINEERING

Sr. No	Project Title	Funding Agency	Cost of Project (Rs. in Lakhs)	Investigator(s)	Present status
1.	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
2	Design development of sustainable construction material from agricultural waste	Housing and Urban Development Corporation	23.50	Dr. R. V Ralegaonkar, Dr. Sachin A Mandavgane & Dr. Sachin V. Bakre	Ongoing
3	Seismic Behaviour of Underground Structure	DST Oct 2014	56.70	PI-Dr. A. Mandal Co-PI-O.R. Jaswal/Y B Katpatal	Ongoing
4	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 (04 June 2014)	22.61	Dr. A. Patel	Ongoing
5	Manufacture of Geopolymer Flyash sand	NTPC Raipur (WR –II) 2016	40	Dr. S.B. Wanjari	Ongoing
6	Use of RBI 81 for stabilization of roads	Alchemist Tuchunologist	12	V,S.landge, A.D.Vasudeo	Ongoing
7	Use of Zycoseal for road sub base stabilization	Zydex industries	12	V,S.landge, A.D.Vasudeo	Ongoing
8	Development of low cost, durable precast compound wall	Department of Forest, Maharashtra State	5.64	Abhay Tawalare, S. P. Wanjari	Ongoing

Sr. No	Project Title	Funding Agency	Cost of Project (Rs. in Lakhs)	Investigator(s)	Present status
9	Predictive Approach for Early Detection of Contamination Zone in an Intermittent and Continuous Water Supply System and its health impact	Department of Science and Technology, DST/TM/WTI/2K16/171(G) dated 30.12.2016	77.56	Pawan Labhasetwar Rajesh Gupta, Pranav Nagarnaik, and Abha Sargaonkar	Ongoing
10	Multi-purpose multi-objective reservoir operation and planning using JAYA algorithm for equitable water distribution within Upper Godavari Basin	SERB-DST (ECR)	15.93	A B Mirajkar	Ongoing
11	Site classification scheme and amplification factors for Indian seismic design code File No : ECR/2016/001316	SERB-DST	31.32	Shrabony Adhikary	Ongoing
12	National Ambient Air Monitoring Programme (NAMP)	Maharashtra Pollution Control Board, Mumbai	8	Dr. V.A.Mhaisalkar Dr. Dilip H. lataye	Ongoing
13	State Ambient Air Monitoring Programme (NAMP)	Maharashtra Pollution Control Board, Mumbai	8	Dr. V.A.Mhaisalkar Dr. Dilip H. lataye	Ongoing
14	Investigation on the occurrence of endocrine disruptive chemicals in the water bodies and wastewaters and development of suitable analytical method for their quantification	DBT 5 th August 2016	39.70	Joint Project with NEERI From VNIT: Dr V A. Mhaisalkar DR. M. V. Latkar	Ongoing

COMPUTER SCIENCE AND ENGINEERING

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. in Lakhs)	Investigator (s)	Present Status of the Project
1.	Big Video Data Analytics for Surveillance and Security of Bank ATMs in a Smart City	SERB (DST)	28	Dr. Praveen Kumar	Ongoing
2.	Information Security Education and Awareness Project-Phase-II	MCIT, New Delhi 12-2-2015	148.10	Dr. S. R. Sathe Dr. U. A. Deshpande	Ongoing
3.	Center of Excellence on COMBEDDED SYSTEMS: “Hybridisation of Communications and Embedded Systems” Under TEQIP 1.2.1	TEQIP-II MHRD 29-10-2013	500	Dr. S. R. Sathe and others	Completed
4.	Embedded Polony DNA Sequencing using Parallel Processing	Center of Excellence TEQIP-II MHRD17-11-14	6.98	Dr. S. R. Sathe Dr. D. D. Shrimankar	Completed
5.	Genome-wide identification of cis-regulatory elements and development of G-logo tool for genome logo representation	DietY, GoI	37	Dr. Deepti Shrimankar	One Year Completed
6.	Face Recognition under Unconstrained Environment for Videos from Internet	Deity (Visvesvaraya Young faculty fellowship)	7.40	Poonam Sharma	Sanctioned
7.	IBM Shared University Research Grant	IBM	6.64	Dr UA Deshpande, Dr RB Keskar, Dr MP Kurhekar	Ongoing

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
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	58	H.M. Suryawanshi M.S.Ballal	Ongoing
3	Digital Implementation of Industrial FO-PID	BRNS-BARC, Mumbai	25.0	M. V. Aware Mrs A S Junghare	Ongoing
4	Development of Camera based sensor for motion detection and its application for energy saving	July 14, CoE TEQIP II	12.25	Dr.M.R.Ramteke Dr. SS Bhat	Ongoing (Final stage)
5	Design and Development of an Experimental Test Bench Setup of Electric Vehicle	Science and Engineering Research Board (04/04/2017)	39	Dr. Makarand M. Lokhande	Ongoing
6	Development of Contactless Energy Exchange Sysytem for Autonomous Vehicles	SERB, DST	37.5	Dr. Ritesh Kumar Keshri	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
7	Development of Fast Charging System for Electric Vehicles	Visvesvaraya Young Faculty Research Fellowship, Ministry of Information Technology, Government of India	37	Dr. Ritesh Kumar Keshri	Ongoing
8	Development of Test-Bench for performing various tests of Transformers	M/s. High Rise Transformers Pvt. Ltd., Nagpur 2 years, 2016	5.04	Dr. M.S.Ballal Dr.H.M. Suryawanshi	Ongoing
9.	Error Compensation techniques in Industrial Metering	M/s Koyna Engineers Pvt. Ltd, Nasik	1.74	Dr. M.S.Ballal, Dr. H.M. Suryawanshi	Completed

ELECTRONICS AND COMMUNICATION ENGINEERING

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
1	Development of a customized dual mode in vivo Photoacoustic and Ultrasound Imaging system for early detection of breast cancer	SERB, DST 03.04.2017	40.23	Dr. Saugata Sinha	Approved Budget Accepted by PI, Financial Documents Expected stage
2	Center Of Excellence in Combedded Systems	MHRD,	500.00	AvinashKeskar, Ashwin Kothari	Completed
3	Full Duplex Wireless Communications:	Science and Engineering Research	23.16	Prabhat Kumar Sharma.	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
	Performance Analysis and Implementation Issues	Board, (Government of India). July 2016			
4	Development and Analysis of Spectrally Efficient Communication System for Future Generation IoT Applications	Ministry of Electronics and Information Technology March 2017	37.00	Prabhat Kumar Sharma.	Approved (under Visvesvaraya Young Faculty Research Fellowship)
5	Implementation and Analysis of Bi-directional Visible Light Communication Systems with Associated Back-End Technologies	Ministry of Electronics and Information Technology Jan 2017	49.9	Prabhat Kumar Sharma. Dr. Parul Garg (NSIT, New Delhi), Co-PI	Recommended for Approval (with revised budget)
6	To Develop a Test Bed Based on Magnetic Induction(MI) Communication for Agriculture soil condition monitoring	MeitY 9.1.2017	40.68	Dr. Vinay Kumar Dr. Joydeep Sengupta	Ongoing
7	Cyber Physical Systems for M-Health	SERB under ECE Scheme	27	Dr. Sudhir Kumar	Ongoing
8	Radio Collar Development for Cow Protection & Tracking	Gorakshan Sabha, NAGPUR	1.00	Dr. A. G. Kothari	Ongoing
9	Interference Mitigation In (BAN) Body Area Network through Spectrum Sensing.	COE, VNIT	6.30	Mrs. P. H. Ghare Dr. A. G. Kothari Dr. A. G. Keskar	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
10	Smart Structures with failure alarm & adaptive control System.	COE VNIT	15.01	Dr. A. G. Kothari	On going
11	Acoustic Enhancement/ Optimizations of A Typical Lecture Hall Through Architectural Interventions and Signal Processing In Hot & Dry Climate.	COE VNIT	9.87	Dr. A. G. Kothari Dr. K. M. Bhurchandi Prof. A. Y. Vyawhare Prof. Ashish Tiwari Prof. Ashwin Dhabale	On going
12	Design and development of& fabrication of humanoid robot with adaptive gripping capabilities	COE VNIT	10.08	Dr. K. M. Bhurchandi Dr. A. G. Keskar Dr. A. G. Kothari Dr. Sheetal Chiddarwar	On going
13	Development of camera based sensor for motion detection and its application for energy saving	COE VNIT	12.25	Dr. A. S. Gandhi Dr. A. G. Kothari Dr. S. S. Bhat Dr. M. R. Ramteke	On going
14	Embedded polony DNA sequencing using parallel processing	COE VNIT	7.98	Dr. A. G. Kothari Dr. S. R. Sathe	On going
15	Bulk SMS messaging service	CICR	0.11	Dr. A. G. Kothari	On going
16	E-KAPAS tender	CICR	1.00	Dr. A. G. Kothari	On going

VLSI AND NANOTECHNOLOGY

Sr. No	Project Title	Funding Agency (with date of award)	Cost of Projects (Rs. In Lakhs)	Investigator (s)	Present status of project
1	Design and Development of a Pico-ampere Source and Meter	Board of Research in Nuclear Science (BRNS)	25	Prof. R. M. Patrikar	Ongoing
2	Center for Innovation, (Incubation Centre) VNIT. Nagpur (Ongoing)	Rajiv Gandhi Science and Technology Commission Government of Maharashtra (RGSTC)	227	Prof. R. M. Patrikar and Prof. R. B. Deshmukh	Ongoing
3	Chip to system design special Manpower development program (Ongoing)	Ministry Of Communication and Information Technology	150	Prof. R. M. Patrikar and Prof. R. B. Deshmukh	Ongoing
4	Exploration of Micro-cantilever platform for Agricultural Applications” (Ongoing)	Department of science and Technology	60 (With IITB,IIT K and FBK, Italy	Prof. R. M. Patrikar	Ongoing

MATHEMATICS

Sr. No	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lacs)	Investigator (s)	Present status of the project
1	Numerical methods for solving Singularly Perturbed Delay Differential Equations with large delays	Department of Atomic Energy	9.56	P. Pramod Chakravarthy	Completed in September 2016
2	Numerical methods for solving multi-parameter singularly perturbed boundary value problems	Department of Atomic Energy	12.41	P. Pramod Chakravarthy	Ongoing
3	Numerical Methods for hyperbolic conservation laws	NBHM, DAE, 17 th Nov., 2014	9.56	G Naga Raju	Undergoing/ active

Sr. No	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lacs)	Investigator (s)	Present status of the project
4	Studies on the flows of two immiscible incompressible micropolar and viscous fluids	NBHM, DAE 27-01-2015	9.56	M. Devakar	Ongoing
5	Numerical methods for a class of singular two-points boundary value problems	DST-SERB, Govt. of India Date of Award: 08.10.2015	16.84	Pradip Roul	Ongoing Start Date: 01.01.2016
6	Design, analysis and implementation of numerical methods for doubly singular boundary value problems	NBHM, DAE Date of Award: 02.11.2016	12.16	Pradip Roul	Ongoing Start Date: 15.02.2017

MECHANICAL ENGINEERING

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
1	Biomedical Engineering and Technology centre Incubation	DST/RGSTC 2014	350	Dr. A. M. Kuthe	Ongoing
2	Smart Foundary 2020	DST 2016	250	Dr. A. M. Kuthe	Ongoing
3	Fatigue testing of Hip Prosthesis	DRDO		Dr. P.M. Padole	Ongoing
4	Estimation of human muscle characteristics	Department of Science & Technology	13.16	Dr. Rashmi Uddanwadiker (PI)	Completed
5	Development of Digital Dental Restoration	Department of Science and Technology 2016	41.52	Dr. Rashmi Uddanwadiker, Mahesh Bakshi	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
6	Mathematical Modeling of Hydraulically Operated Zero Velocity Valve	Flonix Valves Ltd., Pune Sep-2014	2.5	Dr. A.V. Vasudeo, Dr. A. S. Dhoble, Dr. A. K. Singh, Dr. M. S. Kotambkar, Dr. Tavalare	Ongoing
7	Performance enhancement of grinding mill	Tyco (India) Pvt. Ltd. Nagpur Jan-2016	1	Dr. A. S. Dhoble, Dr. M. S. Kotambkar	Ongoing
8	Experimental and numerical study of flow and heat transfer in cross flow heat exchanger	TEQIP-II April-2016	1.51	Dr. A. S. Dhoble	Ongoing
9	Design and analysis of weld joints of aerofoil jet Blast Deflector	Anand Mine Tools Pvt. Ltd 2016	4.08	Dr. A. S. Dhoble, Dr. R. V. Taiwade	Ongoing
10	Project on capacity enhancement of pulverizer	TYCO India Pvt. Ltd.	1	Dr. M.S. kotambkar, Dr. A.S. Dhoble	Ongoing
11	SMART Foundry 2020	DST and 5 industries September 2016	950.1516	Dr. K.M. Ashtankar	Ongoing
12	Mathematical modelling of zero velocity valve	Flownix Valve Pvt. Ltd., Pune	2.5	Dr. Arun Singh and A. D. Vasudeo	Ongoing
13	Application of rate, state, temperature and pore pressure friction (RSTPF) model for rock slope stability and failure hazard assessment	DST 2017 (March)	3.1	Dr. Arun Singh	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
14	Online Monitoring and Characterization of Distorsion in Multi Layer Laser Cladding Process	NWTF-VSSC DST-ECR 2017 (April)	37.19	Dr. T V K Gupta	Ongoing
15	Development of Fluid - Structure Interaction (FSI) Solver for Cardiovascular Disease: An Aneurysm	DST-SERB 2017 (Feb)	26.19	Dr.Trushar B. Gohil	Ongoing
16	Development of Ni based composite coatings using electroless plating method for high temperature tribological applications	DST (ECRA) 2016 (October)	35.54	Dr. Ravikumar Dumpala	Ongoing
17	Response of hemispherical sandwich shell structures subjected to projectile impact	SERB (DST) Aprail 2017	20.0	Dr.Gaurav Tiwari	Ongoing
18	Design and Fabrication of Thin-film Sensor for Hypersonic flows	DST (ECSR) 2017	38	Dr.Ravi Kumar Peetala	Ongoing
19	Development of experimental setup for the analysis of multipot biomass cookstove	TEQIP-II	1	Dr. V. R. Kalamkar	Completed
20	Investigation of heat transfer and friction using artificial roughness in solar air heater.	TEQIP-II	0.5	Dr. V. R. Kalamkar	Completed

METALLURGICAL AND MATERIALS ENGINEERING

Sr. No	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
1.	Assessment of weld interface creep cavitation of Ferritic / austenitic dissimilar weld joint of ferritic modified 9Cr-1Mo and austenitic 316LN steels.	UGC-DAE-CSR	18.00	Dr.A.R. Ballal Dr.M.M. Thaware Dr.D.R. Peshwe	Ongoing
2.	Testing for Damage Evaluation of New Composite Materials & Components	ACECOST-III (AR & DB)	167.3	Dr.D.R. Peshwe Dr.J.G. Bhatt Dr.M.M. Thaware	Ongoing
3.	Rheological study of Hydroxyl terminated poly butadiene (HTPB) –Aluminiumnano particles(ANP)Ammoni umperchlorate (AP) Composite suspension	CARS	10	Dr.K.L. Wasewar Dr.D.R. Peshwe	Ongoing
4.	Endurance studies of Hip prosthesis	CARS	10	Dr.P.M. Padole Dr.D.R. Peshwe Dr.M.M. Thaware	Ongoing
5.	Effect of texture on LCF behavior of Ti-64 Turbine Blade material.	CARS (GTRE)	10	Dr.A.R. Ballal Dr.D.R. Peshwe	Ongoing
6.	Structural developments during deformation and annealing in titanium alloys	SERB Feb 2017	19.36	Dr.R.K. Khatirkar	Ongoing
7.	Design and Analysis on Weld Joints of Aerofoil in Jet Blast Deflector	Anand Mine tools Pvt. Ltd. Nagpur November 2016	4.08	Dr.R.V. Taiwade Dr.A.S. Dhoble	Ongoing
8.	Assessment of Weld Interface Creep Cavitation of Ferritic/austenitic Dissimilar Weld Joint of Ferritic Modified 9Cr-	UGC-DAE CSR March 2017	15	Dr.A.R. Ballal Dr.M.M. Thaware Dr.D.R. Peshwe	Ongoing

Sr. No	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
	1Mo and Austenitic 316 LN Steels				
9.	Developing downstream applications of strip cast Alalloys,(in collaboration with JNARDDC Nagpur)-	Ministry of Mines,GOI 2016	18	Dr.R.K. Khatirkar Dr.S.G. Sapate	Ongoing
10.	Large scale synthesis of WO _{3-x} nanowires for chemiresistive gas sensors	SERB/DST, 15/09/2016	37.02	Dr. Ajeet Kumar Srivastav	Ongoing

MINING ENGINEERING

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
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	Dr. I .L. Muthreja, Coordinator Dr. R. R. Yerpude Co-coordinator Dr A.D.Ghare Co-coordinator	First Phase over March 2017

PHYSICS

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
1.	Study of the effect of neutron and gamma irradiation on the properties of lithium borosilicate glasses	BRNS 27/09/2013	20.24	Dr. V. K. Deshpande	Completed

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
2.	Synthesis and characterization of glasses containing semiconductor quantum dots (QDs) for optical filters	DST, SERB 24.4. 2014	32.65	Dr.R.S.Gedam	Ongoing
3.	Studies and development of polymer and/or inorganic material coated carbon nanotube thin films towards supercapacitor application	DST-SERB	38.75	Dr. Babasaheb R. Sankapal	Ongoing
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	23.98	Dr. G. Hema Chandra	Completed (2013-2016)
5.	Investigations on $\text{Cu}_2\text{ZnSnSe}_4$ thin films leading to the development of heterojunction solar cells	UGC-DAE CSR	7.686	Dr. G. Hema Chandra	Ongoing (2014-2017)
6.	Development of lithium disilicate based Nano glass ceramics for armor applications.	ARMREB, DRDO 31.01.2017	34.81	Dr. (Mrs.) A. V. Deshpande	Ongoing
7.	Development of P3HT:PCBM solar cell containing Zn-Al & Zn-Fe hydrotalcite nanoparticles in PEDOT:PSS layer to enhance the efficiency.	DST-SERB 2/7/2016	10.19	Dr. Mrs. S.M. Giripunje	Ongoing



Patents

14. PATENTS

APPLIED MECHANICS

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present status (if awarded, Patent No.)
1	Dr. A Y Vyavahare Dr. A Tiwari Dr. A Dhabale Dr. A Kothari	International Force Measuring Device for Prismatic RC member	201621038163	Applied
2	Dr. A Y Vyavahare Dr. A Tiwari Dr. A Dhabale Dr. A Kothari	Strain Guage Calibration Device	201621038353	Applied
3	Dr. R S Sonparote	Pre-tensioned Precast Concrete Pavement	4843/MUM/2015 23/12/2015	Filed

CHEMISTRY

Sr. No.	Name of Faculty	Patent title	Application No. with date	Present status
1.	K.N.Pande, D.R.Peshwe, Anupama Kumar	Effectiveness of Optimised Cryo-treatment on polymer composite	1724/MUM/2014 25 th June,2014	Patent under Examination

CHEMICAL ENGINEERING

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
1	Dr. S. A. Mandavgane	Disinfectant and method for its preparation and use	Patent no. 280259 awarded on 15th Feb 2017	Awarded
2	Dr. R. P. Vijayakumar	Multi-core reactor design for the production of liquid hydrocarbons, CNTs and hydrogen rich gases from waste plastic	201621018395	Published

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
3	Dr. A. S. Chaurasia	Method for converting biomass to hydrogen rich syngas in a two-stage process.	Indian Pat. Application No. 201621041388 Date:03/12/2016	Published
4	Dr. D. Z. Shende Dr. K. L. Wasewar	Process for recovery of Caproic Acid from Aqueous Solutions	E-45/81/2016/MUM Dt. 9/3/16	Filed
5	Diwakar Z. Shende, Dr. K. L. Wasewar	Process Development of coating of metal and metal oxides on hollow ceramic microspheres	Indian patent: office Mumbai on 05/10/2016. Application No. 201621034195, dated: 05/10/2016	Filed
6	Dr.K. L. Wasewar, Dr.D. Z. Shende,	Separation and Recovery of Acrylic Acid from Aqueous Solution using natural oils	Indian patent: office Mumbai on 13/10/2016. Application No. 201621034582, dated: 13/10/2016	Filed

CIVIL ENGINEERING

Sr. No.	Name of the Faculty	Patent Title	Application No. with date	Present status (if awarded, Patent No.)
1	R V Ralegaonkar V A Mhaisalkar R S Bapat	Sustainable Renewable Resource Management (SRRM) Tool for Design of Sustainable Buildings	(Diary No.- 13778/2015-CO/SW)	Registration No. SW-8995/2017
2	R V Ralegaonkar V A Dakwale	Carbon Minus Building Design (CAMIBLD) Tool	(Diary No.- 13779/2015-CO/SW)	Registration No. SW-8996/2017

COMPUTETR SCIENCE AND ENGINEERING

Sr. No.	Name of the Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
1.	Dr. Praveen Kumar	SYSTEM AND METHOD FOR PERFORMING SURVEILLANCE OF AN AUTOMATED TELLER MACHINE (ATM)".	201611009410 filed on 21 st March 2016	Pending for Examination

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
1.	Dr.M.K.Khedkar	Hybrid Solar Energy Storage Device (HSESD)	201621000237filed on 05/01/2016	Filed
2	M. S. Ballal and H. M. Suryawanshi	Standardization of three phases four wire meter as two phase four wire meter for traction metering	201721001242	Published 12/01/2017
3	M. S. Ballal and H. M. Suryawanshi	Breather condition monitoring system for transformers (brecoms-t)	201621041390	Published 03/12/2016
4	M. S. Ballal and H. M. Suryawanshi	Transformer test bench (ttb)	201621026428	Published 03/08/2016
5	M. S. Ballal and H. M. Suryawanshi	Model for the analysis of different faults/ abnormal condition of transformer and Induction Motor	201621021851	Published 24/06/2016
6	B. S. Umre, S M Mutha	Automatic Air Blast Flushing of Electrostatic Precipitator (ESP)	201621011748 13-05-2016	Published
7	B. S. Umre, S M Mutha	Oscillating Quiescent Point in Power Amplifier Biasing	201621014903 05.08.2016	Published
8	B. S. Umre, S M Mutha	Auxiliary square wave excitation for core capacity enhancement of the transformer	201621014904 05.08.2016	Published
9	Dr. Mrs. M. A. Chaudhari, Dr. M. M. Renge, Mr. Chaitanya Jibhakate	Title "Reactive Power compensation using Induction Motor Drive",	Application No. 201721000392 date 18/1/2017	Filed.
10	Dr. M.S.Ballal	Status monitoring apparatus for reactor and transformer (SMART).	18/2016 29/04/2016	Filed.
11	Dr. M.S.Ballal	Hybrid control of resonant converter for dc grid applications.	08/2016 19/02/2016	Filed.

ELECTRONICS AND COMMUNICATION ENGINEERING

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
1	Dr.Saugata Sinha, Dr.Joydeep Sengupta, Dr. Vinay Kumar	Design and implementation of wireless optical communication transmitter and receiver modules for indoor environment	201621020527 A 16/09/2016	Filed
2	Prof. P H Ghare	Wireless Health Monitoring System	-	Filed
3	Dr.Joydeep Sengupta Dr.Vinay Kumar	Design and Implementation of Wireless Optical Communication Transmitter and Receiver Modules for Indoor Environment	June2016	Filed
4	Dr.Joydeep Sengupta Dr.Vinay Kumar	Design and Implementation of physiological health monitoring wearable device	March2017	Filed
5	Dr. A. G. Kothari	Internal force measuring device	201621038163 & 28/05/2016	In process
6	Dr. A. G. Kothari	Strain gauge calibration device	201621038353 & 28/05/2016	In process
7	Dr. A. G. Kothari	Automated posture tracking and analysis system	201621016029 & 07/11/2016	In process

MECHNICAL ENGINEERING

Sr. No	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded. Patent No.)
1	Dr.A. M. Kuthe, D. S. Ingole	Method for fabrication of dies preferably less than one cubic feet volumetric in dimension using sand casting	253363 , 16 July 2012	Published
2	Dr. P. M. Padole and Dr. A. V. Vanalkar	Design & Development of Stirrup making machine	240/MUM/2002 dt. ,11/3/2002	Published

Sr. No	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded. Patent No.)
3	Dr. P. M. Padole, Dr. P. G. Patil and K. M. Paralikar	Double Roller Gin With Improved Power Transmission Mechanism For Roller And Beater	925/MUM/2004 dt. ,03/08/2004 (210924)	Published
4	Dr. P.M. Padole, Dr. S. A. Deshmukh, Sravani L., and Dr. Sunita Shrivastav	An Innovative Flexi Force Palatovision Appliance For Evaluation Of Tongue Pressure	2016	Awating
5	Dr. P. M. Padole , Dr. A. V. Vanalkar and B R Mahajan	Vane Engine	2006	Awating
6	Dr. S. B. Thombre	Solar water heater flat plate collector absorber having semicircular sectioned riser tubes with integral fins	457/MUM/2013	Filed
7	Dr. Y M Puri, Vikas Gohil	Method and Apparatus for Electrical Discharge Turning	201621026430 03-08-2016	Published
8	Dr. Y M Puri, Diwesh B Meshram	Linear-Curved Electrical Discharge Machine (LCM)	201621020529 16-06-2016	Published
9	Dr. Y M Puri	Method for Manufacturing of Thin Porous Metal Membrane using EDM and WEDM	201621028405 (application no.) 20-08-2016	Published
10	Dr. Y M Puri	Method and Apparatus for Electrical Discharge Machining A Curved Hole	1505/MUM/2012 17-05-2012	Awating
11	D.B.Zodpe A.S.Dhoble, V.B.Gawande,	Rib design for thermal performance enhancement in roughened solar air heater	24th June 2016	Awating
12	Atul B. Andhare, Anil Madhukarrao Onkar	Mechanism For Transferring Load Horizontally And Vertically And Vice Versa	2982/MUM/2014 A 18-09-2014	Awating
13	Rashmi Uddanwadiker, Piyush Ukey, Prashant Naik, Prashant Jain	3D Printed Artificial Temporal Bone and process of making the same	201621041387	Awating
14	Rashmi Uddanwadiker, Shubham Ramteke, Aneesh Kale, Gaurav Gupta, Rajendra Saoji	Split type Gastrostomy Feeding device	201621017237	Published
15	Rashmi Uddanwadiker, Chetan Kuthe, Rima Nandurkar, Alankar Ramteke	Technique to quantify recovery post surgery/trauma/treatment	201621017236	Published
16	Rashmi Uddanwadiker, Sukhada Joshi, Jugul Shah	Feeding Bottle for Cleft Palate Babies	201621011518	Filed

Sr. No	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded. Patent No.)
17	Rashmi Uddanwadiker, Subhash Lulay, Jugal Shah, Apurva Sharan, M.R. Rahul	Surgical Forceps for osteotomy of Nasal Bone	3765/MUM/2015	Published
18	Rashmi Uddanwadiker, V.C Bhujade, Jitesh Deshmukh	Multi-purpose Frying machine	2643/MUM/2015	Published
19	R. V. Uddanwadiker, Subhash Lulay, Nikhil Adhe, Adwait Inamdar, Sourabh Shende	Indigenously Manufactured Nasal Implants suitable for Indian Demography	2067/MUM/2015	Published
20	R.V. Uddanwadiker, Raghvendra Vhanbhatte	Torsion testing equipment for dental archwires used for crooked teeth	2228/MUM/2014	Published
21	R.V. Uddanwadiker, Pramod Padole	Ergonomically designed foot and hand operated workstation for making agarbatti	761/MUM/2013	Published
22	R.V. Uddanwadiker	Ergonomic Design and Fabrication of roasting mechanism for small scale industries and household purpose	2333/MUM/2013	Published
23	A.S.Dhoble, D.B.Zodpe V.B.Gawande,	Rib design for thermal performance enhancement in roughened solar air heater	Filed on 24th June 2016	Filed
24	A. S. Dhoble Sandeep Joshi	Solar Photovoltaic Thermal system with cocnut oil and silicone oil as spectrum filters	Filed on 4 October 2016	Filed
25	S.S. Chiddarwar R.Thakker, A. Kamat, S. Bhambre, , K.M. Bhurchandi	Rapid Reconfigurable Modular Robot System	319/MUM/2014	Filed
26	Mayur V. Andulkar, Shital S. Chiddarwar	Method of generating trajectory for treating a surface for use in a robotic device	1681/MUM/2015	Filed
27	Abhishek Jha, Shital S. Chiddarwar	Method for extracting optimal trajectory from multiple demonstrations in a robotic system	E-101/36522/2016-MUM	Filed
28	Chiddarwar Shital Sudhakar, Hattarge Swapnil Sudarshan, Shahu Pravin, Kapgate Sachin Damodar, Agrawal Sapan Santosh, Patath Kartik	Robotic Cleaning System for Internal Cleaning of a Unit	CBR Number 37802	Filed

Sr. No	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded. Patent No.)
29	H. P. Jawale	Rotating Gear Shifter Mechanism	3248/MUM/2013 dt. Oct. 10, 2013	Filed
30	H. P. Jawale	Special Roller Follower for motion in plane parallel to cam plane	1574/MUM/2014 dt. May 06, 2014	Filed
31	H. P. Jawale	Four Wheel Drive and Steering Mechanism	1339/MUM/2014 dt. April 11, 2014	Filed
32	H. P. Jawale	Gas Gun for High velocity Impact	2244/MUM/2015 dt. June 24, 2015	Filed
33	H. P. Jawale	Multipurpose Trolley	Filed, 2016	Filed
34	Mangesh S. Kotambkar, Ajinkya S. Khade, Yash V. Borghate	Device to restrict the unwanted reverse motion of vehicles	2014-04-23	Filed
35	Ravikumar Dumpala, B. Ramamoorthy and M.S. Ramachandra Rao	Graded Nano And Micro-Crystalline Composite Diamond Coatings For Load-Bearing Tribological Applications	4227/CHE/2013 dt. Sep 20, 2013	Request For Examination Date

METALLURGICAL ENGINEERING AND MATERIAL SCIENCES

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
1.	Dr. D.R. Peshwe	“Effectiveness of optimized Cryo-treatment on Polymer Composites”	1724/MUM/2014 16 May 2014	Awarded



Industry Institution Collaboration

15. INDUSTRY INSTITUTION COLLABORATION

APPLIED MECHANICS

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
1	The Executive Engineer Civil Construction Maintenance Dept Maharashtra Engineering Research Institute Nashik - 422004 Maharashtra	Technical Scrutiny	0.40	Dr S V Bakre Dr Ratnesh Kumar	Completed
2	The Executive Engineer Office of the Executive Engineer Nagpur Central Divisional No 1 Katol road Nagpur 440013	Technical Scrutiny	2.29	Dr S V Bakre Dr Ratnesh Kumar	Completed
3	The Principal Government College of Engineering Amravati Amaravati 444604 (MS)	Technical Scrutiny	1.15	Dr S V Bakre Dr Ratnesh Kumar	Ongoing
4	The Director M M Enviro Projects Pvt Ltd Nandanwan Nagpur - 440009 Maharashtra	Technical Scrutiny	1.72	Dr S V Bakre Dr Ratnesh Kumar	Completed
5	Deputy Engineer MIDC Sub Division No 4th floor udyog Bhavan Civil Lines Nagpur 440001 Maharashtra	Technical Scrutiny	0.49	Dr S V Bakre and Dr Ratnesh Kumar	Ongoing
6	Supritending Engineers office of the supritending Engineer Public Work Civil Amravati Maharashtra	Technical Scrutiny	10.2	Dr S V Bakre and Dr Ratnesh Kumar	Ongoing
7	Balaji Associates GS-37 Amar Jyoti Palace Lokmat Square Wardha Road Nagpur 440012	Technical Scrutiny	0.40	Dr S V Bakre and Dr Ratnesh Kumar	Ongoing
8	Supritending Engineers MSPGCL, Thermal Power Station Vidyut nagpur PARAS 444109 Dist Akola (MS)	Technical Scrutiny	2.10	Dr S V Bakre and Dr Ratnesh Kumar	Ongoing

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
9	Executive Engineer S P (PW) Division No 2 Daryapur 444803 Dist: Amravati	Technical Scrutiny	2.99	Dr S V Bakre and Dr Ratnesh Kumar	Ongoing
10	Techyuga Structural Solutions Pvt Ltd Nagpur	Technical Scrutiny	0.50	Dr S V Bakre	Completed
11	Techyuga Structural Solutions Pvt Ltd Nagpur	Technical Scrutiny	0.25	Dr S V Bakre	Completed
12	Supretending Engineer (C) Civil Construction Cum Maintenance Circle Maharashtra State Electricity Distribution Co Ltd 2nd floor Vidyut Bhavan Katol road Nagpur 13	Technical Scrutiny	0.57	Dr S V Bakre	Ongoing
13	Jigar Prakash Madh project Manager Nagpur 8 Mart city Larsen & Turba Limited Shivaji Nagar Maharashtra	Technical Scrutiny	0.57	Dr S V Bakre	Ongoing
14	Techyuga Structural Solutions Pvt Ltd Nagpur	Technical Scrutiny	0.50	Dr S V Bakre	Ongoing
15	GOI (CPWD)	Technical Scrutiny	3.22	Dr S S Gadve	Ongoing
16	Director Adi Durga Steel Pvt Ltd	Technical Scrutiny	0.28	Prof S B Borghate	Ongoing
17	Executive Engineer Nagpur Cenral Division II, B No 15/1 Central Public Work Dept Starkey Town Sadar Nagpur 440001	Technical Scrutiny	2.01	Prof S B Borghate	Ongoing
18	Multiurban Infra Service Pvt Ltd Nagpur Executive Engineer PHED Ujjain	Technical Scrutiny	0.28	Dr R S Sonparote	Ongoing
19	Gondwana Engineers Ltd Nagpur Chief Municipal Officer Nagpur Parishad Menagdon Dist: Chindwara	Technical Scrutiny	0.68	Dr R S Sonparote	Ongoing
20	Commissioner & Member Secretary Maharashtra Tribal Public school society Nashik	Technical Scrutiny	2.29	Dr R S Sonparote	Ongoing
21	M D N Construction Nagpur	Technical Scrutiny	3.43	Dr R S Sonparote	Ongoing

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
22	Central Indian Engineering Nagpur	Technical Scrutiny	0.57	Dr R S Sonparote	Completed
23	Executive Engineering Zilla Parishad Nagpur	Technical Scrutiny	0.17	Dr R S Sonparote	Completed
24	Gondwana Engineers Ltd Nagpur Municipal Officer Municipal Panchayat Athner (MP)	Technical Scrutiny	0.28	Dr R S Sonparote	Completed
25	Chief Municipal officer Nagar Parishad Balaghat Dist: Balaghat Jain Irrigation System Ltd	Technical Scrutiny	0.28	Dr R S Sonparote	Completed
26	Excel Design Consultant Nagpur	Technical Scrutiny	0.57	Dr R S Sonparote	Completed
27	Sonu Construction nagpur	Technical Scrutiny	0.28	Dr R S Sonparote	Completed
28	m/s Aquadus Structural Consultants Pvt Ltd	Technical Scrutiny	0.28	Dr R S Sonparote	Completed
29	Central Indian Engineering Nagpur	Technical Scrutiny	0.28	Dr R S Sonparote	Completed
30	Executive Engineer PMSSY, Dn 1, CPWD, Nagpur	Technical Scrutiny	0.11	Dr R S Sonparote	Completed
31	m/s Auquadas Structural Consultant Pvt Ltd	Technical Scrutiny	0.28	Dr R S Sonparote	Completed
32	Gondwana Engineer Ltd Nagpur (ESR for Lakhandas WSS)	Technical Scrutiny	1.72	Dr R S Sonparote	Ongoing
33	Mangesh Saiwala	Technical Scrutiny	0.11	Dr R S Sonparote	Completed
34	Chief Officer Urban Muncipal Council	Technical Scrutiny	0.51	Dr R S Sonparote	Completed
35	Gondawna Engineer Ltd Nagpur	Technical Scrutiny	0.46	Dr R S Sonparote	Completed
36	M/s Santosh Kumar Katni	Technical Scrutiny	1.15	Dr R S Sonparote	Ongoing
37	M/s P P Constructions	Technical Scrutiny	0.57	Dr R S Sonparote	Completed
38	M/S Singh Builders Jabalpur	Technical Scrutiny	0.17	Dr R S Sonparote	Completed
39	Nimmana Civil Structural Solutions	Technical Scrutiny	0.46	Dr R S Sonparote	Ongoing
40	Sonu Construction nagpur	Technical Scrutiny	0.69	Dr R S Sonparote	Ongoing

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
41	Gondwana Engineer Limited Nagpur	Technical Scrutiny	0.46	Dr R S Sonparote	Ongoing
42	M/S Singh Builders Jabalpur	Technical Scrutiny	0.28	Dr R S Sonparote	Ongoing
43	Dy GM Design NMRCL Nagpur	Technical Scrutiny	1.43	Dr R S Sonparote	Ongoing
44	Sr. Div Engineer (Co-Ordination) Central Railways Bhusawal	Technical Scrutiny	0.17	Dr R S Sonparote	Ongoing
45	Executive Engineer (D-1) Central Public Works Division Katol Road Nagpur	Technical Scrutiny	10.12	Dr R K Ingle and Dr L M Gupta	Completed
46	M/s Jaypee Enterprises Bhandara Engineers Contractors and supplies plot No 60 behind Stree Kendra Jawahar Nagar road Bhandara 441906	Technical Scrutiny	0.20	Dr R K Ingle and Dr A Y Vyavahare	Ongoing
47	Executive Engineer (Slum) NMC Nagpur	Technical Scrutiny	7.98	Dr R K Ingle	Ongoing
48	Executive Engineer (PWD) Lakadganj Zone No 8 NMC Nagpur	Technical Scrutiny	0.57	Dr R K Ingle	Completed
49	Executive Engineer Construction Division No II CP Administration Bhopal	Technical Scrutiny	0.85	Dr R K Ingle	Completed
50	Director Shree Balaji Engineers Pvt Ltd belapahar Jharsuguda	Technical Scrutiny	0.85	Dr R K Ingle	Completed
51	M/S RITES Nagpur	Technical Scrutiny	14.31	Dr R K Ingle	Completed
52	M/s Satish Raipure Nagpur	Technical Scrutiny	2.87	Dr R K Ingle	Completed
53	Executive Engineer Office of executive Engineer Public Work Division NO 1 Chandrapur	Technical Scrutiny	1.43	Dr R K Ingle	Completed
54	M/A A R Naidu Pune	Technical Scrutiny	0.28	Dr R K Ingle	Ongoing
55	EE CPWD Nagpur	Technical Scrutiny	11.21	Dr R K Ingle	Completed
56	Project Manager Shapporji & Co Pvt Ltd Vallabh Bhawan Extention Bhopal	Technical Scrutiny	0.28	Dr R K Ingle	Completed

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
57	Executive Engineer Maharashtra State Police Housing and Welfare Corporation Ltd Nagpur	Technical Scrutiny	5.46	Dr R K Ingle	Completed
58	SDE Nehru Nagar Zone no 5 NMC Nagpur	Technical Scrutiny	2.58	Dr R K Ingle	Completed
59	EE PWD Dr Amravati	Technical Scrutiny	5.17	Dr R K Ingle	Ongoing
60	Shri Suraj Shinde Sr. Manager (E&C) Mihan India Limited Dr. Babasaheb Ambedkar International Airport Nagpur 440005	Technical Scrutiny	0.31	Dr R K Ingle	Completed
61	Executive Engineer Nagpur Muncipal Corporation office of the Executive Engineer (Cont) First floor North Wing Mahanagarpalika Marg Civil Lines Nagpur 440001	Technical Scrutiny	17.82	Dr R K Ingle	Ongoing
62	EE PWD Dr 2 Chandrapur	Technical Scrutiny	0.86	Dr R K Ingle	Completed
63	EE PWD Chandrapur	Technical Scrutiny	86.25	Dr R K Ingle	Ongoing
64	M/s MCBS Pennar Hyderabad	Technical Scrutiny	14.37	Dr R K Ingle	Ongoing
65	M/s D V Patel and Co Nagpur	Technical Scrutiny	1.15	Dr R K Ingle	Completed
66	Shri Dipak Kr Sarkar Addl GM (Civil) 1, Rites Bhavan Kadbi Chauk Nagpur	Technical Scrutiny	4.60	Dr R K Ingle	Ongoing
67	Shri S M Sambe Executive Engineer Maharashtra State Public Housing and Welfare carporation Ltd Sir Pockhanwala Road Warli Mumbai 400050	Technical Scrutiny	5.75	Dr R K Ingle	Completed
68	M/S RITES Nagpur	Technical Scrutiny	0.28	Dr R K Ingle	Completed
69	Shri Nand Kishan Ram AGM(Engg) MNBCC (india) United 1st floor Canteen Buidling VNIT Campus South Ambazari Nagpur	Technical Scrutiny	16.79	Dr R K Ingle	Ongoing

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
70	Executive Engineer Nagpur Improvement Trust Nagpur Station Road Sadar Nagpur	Technical Scrutiny	2.30	Dr R K Ingle	Ongoing
71	Shri S M Sambe Executive Engineer Maharashtra State Public Housing and Welfare corporation Ltd Sir Pockhanwala Road Warli Mumbai 400050	Technical Scrutiny	5.17	Dr R K Ingle	Ongoing
72	Shri S K Kapoor GM (Civil) 1, Rites Bhavan Kadbi Chauk Nagpur 440014	Technical Scrutiny	11.50	Dr R K Ingle	Ongoing
73	SE (project) NIT Nagpur	Technical Scrutiny	0.86	Dr R K Ingle	Ongoing
74	M/s M R Dhoble Engieer & Contractors Pratibha Sankul Near Ambazari Talkies Square Nagpur 440011	Technical Scrutiny	0.86	Dr R K Ingle	Ongoing
75	M/S PILCON Engineering 16-19 Ajay Colony Sadiquabad Nagpur-440030	Technical Scrutiny	8.62	Dr R K Ingle	Ongoing
76	Women's Home (mahila Udhyog Bhawan), North Ambazari Road Ramdaspath Nagpur 440010L No Nil Dr. 11/4/2016	Technical Scrutiny	0.57	Dr L M Gupta	Completed
77	Kuntalbaji Engineers Pvt Ltd Shah Ind. Estate Veera Desai road Mumbai 40053	Technical Scrutiny	0.57	Dr L M Gupta	Completed
78	Divya Consultants 303 Aarna Complex Square Central Avenue Nagpur	Technical Scrutiny	1.14	Dr L M Gupta	Completed
79	Modern Builders Plot No 50 Naya Gao Hills Vidyut Nagar Jabalpur 482008	Technical Scrutiny	0.57	Dr L M Gupta	Completed
80	S M S Limited IT Park 20STPI Gayatri Nagar Parsodi Nagpur 440022	Technical Scrutiny	0.86	Dr L M Gupta	Completed
81	President Maya Hospital Compound General Merchant Associates Mayo Parisar Nagpur -440018	Technical Scrutiny	0.85	Dr L M Gupta	Completed

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
82	The Chief Engineer PWD Bridge Zone Raipur (CG)	Technical Scrutiny	0.28	Dr L M Gupta	Completed
83	The Chief Engineer PWD Bridge Zone Raipur (CG)	Technical Scrutiny	0.57	Dr L M Gupta	Completed
84	The Chief Engineer PWD Bridge Zone Raipur (CG)	Technical Scrutiny	1.23	Dr L M Gupta	Ongoing
85	The Chief Engineer PWD Bridge Zone Raipur (CG)	Technical Scrutiny	0.42	Dr L M Gupta	Ongoing
86	City Engineer Nagpur Municipal Corporation Civil Lines Nagpur	Technical Scrutiny	0.77	Dr L M Gupta	Ongoing
87	Executive Engineer Chattisgarh Housing Board Jagdalpur Dist: Bastar	Technical Scrutiny	1.17	Dr L M Gupta	Ongoing
88	Architect Sandeep Meena & Associates - II floor Jabbal Tower Civil lines Raipur (CG) 492001	Technical Scrutiny	0.86	Dr L M Gupta	Completed
89	Omega Elevator 5/c Archana Ind, Estate, Opp Ajit Mills, Rakhial Ahmedabad 380023	Technical Scrutiny	5.75	Dr L M Gupta	Completed
90	Chief Project Manager /Civil RITES Limited 40/424 Rajat Shree House I Floor Near SBI Kotra Road Raigarh 496001	Technical Scrutiny	1.15	Dr L M Gupta	Completed
91	Bhumi Procon Pvt Ltd 202, Opal - 2, Oppo Silver Oak Building BOC Road Akota Vadodara 390020	Technical Scrutiny	0.34	Dr L M Gupta	Ongoing
92	PAQVES Enviromental Technology India Pvt Ltd 71, 2nd floor Dr. Radhakrishnana Salai Mylapore, Chennai - 600004	Technical Scrutiny	3.45	Dr L M Gupta	Completed
93	Executive Engineer Chattisgarh Housing Board Jagdalpur Dist: Bastar	Technical Scrutiny	0.86	Dr L M Gupta	Completed
94	Addl General Manager (C), Rites, Limited, Rites Bhavan Kadbi Chauk Nagpur 440014	Technical Scrutiny	0.28	Dr L M Gupta	Ongoing
95	GMR Warora Energy Limited Mohabala MIDC Growth Centre Warora	Technical Scrutiny	0.57	Dr L M Gupta	Ongoing

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
96	Laxmi Civil Engineering Services Pvt Ltd 244, 2nd floor Narayani House Hill road Ramnagar Nagpur 440010	Technical Scrutiny	2.01	Dr L M Gupta	Completed
97	Chief Officer Nagar Parishad Kalmeshwar Dist Nagpur	Technical Scrutiny	0.57	Dr L M Gupta	Completed
98	M/s Sanjay Agrawal Engineer & Consultant 35 & 36 first floor millenium plaza Raipur (CG)	Technical Scrutiny	0.57	Dr L M Gupta	Completed
99	M/s M B Gharpuray Engineer & Contractor 838 Shivajinagar Manohar Residency Pune 411004	Technical Scrutiny	0.86	Dr L M Gupta	Completed
100	The Chief Engineer PWD Bridge Zone Raipur (CG)	Technical Scrutiny	0.86	Dr L M Gupta	Ongoing
101	M/S Sanjau Agrawal Engineers & consultants 35-36 first floor Millenium Plaza Raipur	Technical Scrutiny	1.72	Dr L M Gupta	Completed
102	Deputy General Manager (Track Work) Larsen Turbo Limited Vatika Mindscape Building Block A 8th floor 12/3 Delhi Mathura road near sarai Khawaja Metro Station Faridabad	Technical Scrutiny	1.72	Dr L M Gupta	Completed
103	The Chief Engineer PWD Bridge Zone Raipur (CG)	Technical Scrutiny	4.45	Dr L M Gupta	Ongoing
104	M/s Subham Infra Engineers & Contractor L-2 Vinoba Nagar Near Amba Tower Bilaspur 495001 (Technical Scrutiny	0.57	Dr L M Gupta	Completed
105	Omega Elevator 5/c Archana Ind, Estate, Opp Ajit Mills, Rakhial Ahmedabad 380023	Technical Scrutiny	5.06	Dr L M Gupta	Ongoing
106	Project Manager Head Patel Engineering Ltd, Project Office Basant Nagar Bhanupratapur 494669	Technical Scrutiny	3.44	Dr L M Gupta	Ongoing
107	Architect Sandeep Meena & Associates - II floor Jabbal Tower Civil lines Raipur (CG) 492001	Technical Scrutiny	1.15	Dr L M Gupta	Ongoing

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
108	Deepak R Lohiya Engineers & Contractor Soundad- 441806 Dist: Gondia	Technical Scrutiny	0.34	Dr L M Gupta	Ongoing
109	Addl General Manager Bharat Heavy Electricals Limited Power sector Western Region Site office KTPS VNIT 6 EERM Project Koradi Nagpur Pin Code 4141111	Technical Scrutiny	1.03	Dr L M Gupta	Ongoing
110	Shivalaya Desigining Consultancy vedent 22 old subhedar layout nagpur 440024	Technical Scrutiny	4.60	Dr L M Gupta	Ongoing
111	M/S C S Construction, K21 Bharatnagri Nagpur	Technical Scrutiny	1.15	Dr L M Gupta	Ongoing
112	The Chief Engineer PWD Bridge Zone Raipur (CG) Ambikapur	Technical Scrutiny	1.15	Dr L M Gupta	Ongoing
113	The Chief Engineer PWD Bridge Zone Raipur (CG) Bilaspur	Technical Scrutiny	0.28	Dr L M Gupta	Ongoing
114	The Chief Engineer PWD Bridge Zone Raipur (C.G) Rajnandgaon	Technical Scrutiny	0.28	Dr L M Gupta	Ongoing
115	Mehrotra Buildcon (P) Ltd 9, Industrial Estate Rewa Road Satna 485001 (MP)	Technical Scrutiny	1.91	Dr L M Gupta	Ongoing
116	D Thakkar Construction Pvt Ltd. DTC Chambers Plot No P-119 Wadi-Hingna Road Nagpur 440028	Technical Scrutiny	0.98	Dr L M Gupta	Ongoing
117	Deepak R Lohiya Engineers & Contractor Soundad- 441806 Dist: Gondia	Technical Scrutiny	1.60	Dr L M Gupta	Ongoing
118	Architect Sandeep Neena & Associates II floor Jabbar Tower Civil Lines Raipur (C.G.) 492001	Technical Scrutiny	3.45	Dr L M Gupta	Ongoing
119	RCC (Infrastructure) Consultants Pvt Ltd 53, Siddesh Apartments 1st floor SE Railways layout -II Rana Pratap Nagar Nagpur 440022	Technical Scrutiny	0.57	Dr L M Gupta	Ongoing

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (InLacs)	Investigator (s)	Present Status
120	DRN Infrastructure Engineer & Contractors Nayak House 110, 3rd floor dollar company Gukul roadhubli 580030	Technical Scrutiny	1.15	Dr L M Gupta	Ongoing
121	The Chief Engineer PWD Engineer Zone Raipur (CG)	Technical Scrutiny	2.30	Dr L M Gupta	Ongoing
122	Director, UBV Infrastructures Limited, A-22, Surya Apartment Civil Lines, Raipur (C. G) 492001	Technical Scrutiny	0.92	Dr L M Gupta	Ongoing
123	Architect Sandeep Neena & Associates II floor Jabbar Tower Civil Lines Raipur (C.G.) 492001	Technical Scrutiny	2.30	Dr L M Gupta	Ongoing
124	Executive Engineer CPWD Nagpur Central Division No 1 CPWD Katol Road Nagpur 13	Technical Scrutiny	2.31	Dr L M Gupta	Ongoing
125	Executive Engineer (Project) nagpur Improment Trust Nagpur	Technical Scrutiny	2.01	Dr L M Gupta	Ongoing
126	Executive Engineer MIDC Div -II nagpur	Technical Scrutiny	2.30	Dr L M Gupta	Ongoing
127	M/S SMS Envocare Ltd Nagpur	Technical Scrutiny	2.30	Dr A Y Vyavahare	Ongoing
128	Executive Engineer Construction Division Special Project nagpur	Technical Scrutiny	11.40	Dr A Y Vyavahare	Ongoing
129	Mr Raju Shahade Arch Infra Nagpur	Technical Scrutiny	0.28	Dr A Y Vyavahare	Ongoing
130	M/S Someshwaraya Infratech (I) Pvt Ltd Dastur Nagar Amravati	Technical Scrutiny	0.28	Dr A Y Vyavahare	Ongoing
131	The Chief Engineer PWD Bridge Zone Raipur (CG)	Technical Scrutiny	0.34	Dr A Y Vyavahare	Ongoing
132	Mr Raju Shahade Arch Infra Nagpur	Technical Scrutiny	1.15	Dr A Y Vyavahare	Ongoing
133	M/S Someshwaraya Infratech (I) Pvt Ltd Dastur Nagar Amravati	Technical Scrutiny	2.30	Dr A Y Vyavahare	Ongoing
134	The Chief Engineer PWD Bridge Zone Raipur (CG)	Technical Scrutiny	4.88	Dr L M Gupta	Ongoing

CHEMISTRY

Sr.No.	Name of Industry /Organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigators(s)	Present status
1	Dr. Anupama Kumar NEERI, Nagpur	Evaluation of PPCPs in the water bodies of Nagpur	-	Dr.Anupama Kumar & Dr. Rita Dhodapkar	Ongoing
2	Dr. Anupama Kumar Indian Agricultural Research Institute (IARI), New Delhi	Computational designing of Molecularly imprinted polymer	-	Dr.Anupama Kumar & Dr. Indu Chopra, Scientist IARI	Ongoing
3	Wisdom Pharmaceutical Ltd. Haimen, Jiangsu, China	Making of MOU	—	Sandipan Halder and T. K. Yang	Under Process

CHEMICAL ENGINEERING

S.No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigator (s)	Present status
1	Sterlite Technologies Limited.	Discussion on Technical projects	-	Dr. Shyam M. Kodape	completed
2	OEC, ONGC, New Delhi	Project: Hybrid bio-electro chemical treatment of biomass for enhanced biohydrogen production	-	Dr. Ashwin Gaikwad	Pursuing
3	Minpro Specialties, Pohnar Khari, Tal. Tumsar, Dist. Bhandara	Industrial visit and technical discussion	-	Dr. D.Z. Shende	Pursuing

CIVIL ENGINEERING

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (In Lacs)	Investigator(s)	Present status
1	Maharashtra Metro Rail orporation Ltd. – Maha Metro	-	2.87	Dr. A.D. Ghare and Dr. A.D. Vasudeo	Completed
2	EE NMC Zone 4, Nagpur	-	5.56	Dr. A.D. Ghare and Dr. A.D. Vasudeo	Completed
3	Executive Engineer Minor Irrigation Dept. Aurangabad	-	1.16	Dr. A.D. Vasudeo	Completed
4	Vishvarai Infrastructure Ltd.	Scrutiny of process design for water and waste water treatment plants	3.30	Dr. V. A. Mhaisalkar	Completed
5	Executive Engineer, Ambhora Lift Irrigation Division, Bhiwapur	Interpretation of Safe Bearing Capacity from Plate Load Test	1.20	Dr. A. Mandal and Dr. A. Patel	Completed
6	Lower Wardha Project Division, Wardha	Assessment of Safe Bearing Capacity (SBC) for bridge construction	2.18	Dr. A. Mandal and Dr. A. Patel	Completed
7	Ram Prakash Constructions Pvt Ltd.	Soil/Rock Testing	0.80	Dr. A. Mandal and Dr. A. Patel	Completed
8	NEERI, Nagpur	Plate Load Test for construction of water tank	1.61	Dr. A. Mandal and Dr. A. Patel	Completed
9	Minor Irrigation Sub-Division, Deori	Determination of Safe bearing capacity using SPT tests	6.67	Dr. A. Mandal and Dr. A. Patel	Completed
10	P.W. Division, Khamgaon	Stability analysis of proposed slope	3.73	Dr. A. Mandal and Dr. A. Patel	Completed
11	Medium Project Division, Gondia	Geotechnical Investigation for construction of Aqueduct	6.78	Dr. A. Mandal and Dr. A. Patel	Completed
12	Sunil Hitech Engineers Ltd., Ramdaspath, Nagpur	Assessment of Rock Quality for Excavation work at NTPC Darlipali site Sundargarh, Odisha	1.29	Dr. A. Mandal and Dr. A. Patel	Completed

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (In Lacs)	Investigator(s)	Present status
13	Gossikhurd Right Bank Canal Division, Bramhapuri	Supervision of Field Testing and Report Preparation	16.10	Dr. A. Mandal and Dr. A. Patel	Ongoing
14	NTPC, L&T, CPWD, NBCC etc	Mix Design & NDT	10.00	S.P.Wanjari	Completed
15	National rural road development agency (NRRDA)	Technical scrutiny	5.00	V.S.landge, A.D.Vasudeo, A.D. Tawalare	On going
16	Executive Engineer, PWD, Nagpur	Design of Rigid Pavement	1.37	Abhay Tawalare	Completed
17	CMR Infrastructures, Indore	Scrutiny of structural design of water supply scheme	2.87	Abhay Tawalare	Completed
18	Member Secretary, Maharashtra Tribal Department	Verification of quantity & quality of construction of School complex	5.71	Abhay Tawalare	Completed
19	Jalgaon Irrigation Project Circle Jalgaon	Surge Analysis and Surge Protection System for Waghur LIS-2	3.26	Dr. Rajesh Gupta	completed
20	Central India Engineering, Nagpur	Hydraulic Design of Chourai WS Scheme	0.22	Dr. Rajesh Gupta	Completed
21	Chief Municipal Officer, Nagar Parishad, Balaghat	Scrutiny of Hydraulic Design of various components of Balaghat water supply Project	1.71	Dr. Rajesh Gupta and Dr. A. R. Tembhurkar	Completed
22	Akola Irrigation Division, Akola	Surge analysis & surge protection system for Purna Barrage II, LIS	3.68	Dr. Rajesh Gupta and Dr. A. D. Ghare	completed
23	Sai Sanket Enterprises, Mumbai	Vetting of Hydrulic Design of Megha LIS	3.40	Dr. Rajesh Gupta	Completed

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (In Lacs)	Investigator(s)	Present status
24	Narmada Div. Circle No. 11, MP	Vetting of Design of LBC Gravity Main & Distribution Network of Narmada-Malwa Gambhir Link Project	4.52	Dr. Rajesh Gupta	Completed
25	Jalgaon Irrigation Project Circle Jalgaon	Vetting of Hydraulic Design of Waghur-Gadegaon Branch Design	3.50	Dr. Rajesh Gupta	Completed
26	Central India Engineering, Nagpur	Vetting of Hydraulic Design rising and feeder mains for Sultanpur WS Scheme	0.22	Dr. Rajesh Gupta	Completed
27	Central India Engineering, Nagpur	Vetting of Hydraulic Design of Distribution Network for Sultanpur WS Scheme	0.22	Dr. Rajesh Gupta	Completed
28	Sai Sanket Enterprises, Mumbai	Vetting of Hydrulic Design of rising main and distribution network of Mega LIS, Odisha	5.71	Dr. Rajesh Gupta	Completed
29	Narmada Div. Circle No. 10, Dhar MP	Vetting of Design of RBC Gravity Main & Distribution Network of Narmada-Malwa Gambhir Link Project	6.85	Dr. Rajesh Gupta	Completed
30	Rockline Construction, Aurangabad	Checking of Hydraulic Design of Sewer Network of katol City	0.57	Dr. Rajesh Gupta	Completed

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (In Lacs)	Investigator(s)	Present status
31	Ex. Engineer, LI Project Div., Tirora	Redesign of Surge Protection System for Zasinagar LIS, Gondia	0.72	Dr. Rajesh Gupta	Completed
32	Exe. Engr., Lift Irrigation Div. Jalgaon	Surge analysis & surge protection system for Kurha-Vadodara LIS	1.72	Dr. Rajesh Gupta	Ongoing
33	Exe. Engr. Godavari-Marathwada Irrigation Div. Nanded	Surge analysis & surge protection system for Kolambi LIS	1.78	Dr. Rajesh Gupta	Ongoing
34	Exe. Engr. Goshikhurd Lift Irrigation Project Circle, Ambadi, Bhandara	Surge analysis & surge protection system for Surewada LIS.	1.68	Dr. Rajesh Gupta	Ongoing
35	Central India Engineering, Nagpur	Vetting of Re-Design of Distribution Network for Sultanpur WS Scheme	0.11	Dr. Rajesh Gupta	Completed
36	Central India Engineering, Nagpur	Vetting of Design of Distribution Network for Nainpur WS Scheme	0.23	Dr. Rajesh Gupta	Completed
37	Central India Engineering, Nagpur	Vetting of Design of Pumping Mians for Nainpur WS Scheme	0.23	Dr. Rajesh Gupta	Completed
38	Jalgaon Irrigation Project Circle Jalgaon	Vetting of Hydraulic Design of Waghur-Jamner Branch Design	3.50	Dr. Rajesh Gupta	Completed

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (In Lacs)	Investigator(s)	Present status
39	Jalgaon Irrigation Project Circle Jalgaon	Vetting of Hydraulic Design of Waghur-Garkhed Branch Design	4.10	Dr. Rajesh Gupta	Completed
40	Executive Engineer Lower Wardha Canal Div., Wardha	Hydraulic Design of Khangaon Minor-1 pipe distribution network	1.69	Dr. Rajesh Gupta	Completed
41	Executive Engineer Medium Project Div., Gondia	Revised Surge Analysis and Design of Surge Protection System for Tedva Seoni	0.92	Dr. Rajesh Gupta	Completed
42	Ex. Engineer, Mhaisal Pump House Div. 2, Sangli	Surge Analysis and Design of Surge Protection System for 6A and 6B LIS	2.99	Dr. Rajesh Gupta and Dr. A. D. Ghare	ongoing
43	Ex. Engineer, Mhaisal Pump House Div. 2, Sangli	Surge Analysis and Design of Surge Protection System for Agalgaon-Jakhapur LIS, Sangali	2.99	Dr. Rajesh Gupta and Dr. A. D. Ghare	ongoing
44	Central Groundwater Board Ministry of Water resources, Govt. of India.	Collaborative Project of Aquifer mapping on 1:50,000 scale for 3D scenario for aquifer disposition, 5 year period for 43000 sq. km. in Maharashtra and UT.	External Expert	Y B Katpatal	Ongoing

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultancy Amount (In Lacs)	Investigator(s)	Present status
45	National Atmospheric Research Laboratory	Collaboration in Data acquisition for Global satellites on Atmospheric research	Co-PI	Nirvikar Dashora And Y B Katpatal	Ongoing
46	High Fly Ash Cluster Private Limited (A Project Under MSE – CDP Scheme, Government of India, Ministry of MSME, New Delhi	Joint Venture for Research	-	Dr. Mangesh Madurwar	Access to use their Resources and Infrastructure for Research Purpose to VNIT Research Scholars

COMPUTER SCIENCE AND ENGINEERING

Sr. No.	Name of the Industry/ Organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigator(s)	Present Status
1.	Nagpur Municipal Corporation	Web Monitoring and Extension support for Mobile based survey	1.71	Dr. P. S. Deshpande Dr. Anil S. Mokhade	Ongoing

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigator(s)	Present status
1	VNIT,Nagpur	Scrutiny of electrical estimates of Eklavya residential school of buildings for technical sanction	2.01 For G.O.M	Dr.M.K.Khedkar Dr.V.S.kale	Completed
2	Nagar Parishad, Ramtek	“Solar Plant Capacity Assessment”	0. 20	Dr. M.V.Aware	Completed

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigator(s)	Present status
3	JNARDDC, Nagpur.	Assessment of existing 11 kV system of JNARDDC for renovation/modification	0.20	Dr. M.V.Aware	Completed
4	ICAI, Mumbai	Distribution Transformer-Loss reduction	1.00	Dr. M.V.Aware	Completed
5	L & T , Koradi, Nagpur	Insulation evaluation of generator current transformer	0.40	Dr. M.V.Aware	Completed
6	Crompton Greaves Ltd, Mumbai	Lighting fixture and Control Gear-Certification	0.20	Dr. M.V.Aware	Completed
7	Crompton Greaves Ltd, Mumbai	Switchgear/control gear and CG Box.- Description and comparison	0.20	Dr. M.V.Aware	Completed
8	NERRI, Nagpur	Electrical Audit of NEERI campus	4.60	Dr. M.V.Aware	On going
9	JNARDDC, Nagpur	Design and estimate of 660 kW power supply to extrusion mill	0.40	Dr. M.V.Aware	Completed
10	IIT Bombay	Agricultural feeders' survey in Nagpur / Bhandara Divisions of MSEDCL	0.11	M.R.Ramteke	completed
11	M/s Huephen Electromech Pvt. Ltd., Nasik, M.S.	Development of industrial product regarding the improvement in the accuracy class of Industrial Metering system especially in Current Transformer	1.25	Dr. M.S.Ballal, Dr. H.M.Suryawanshi	Completed
12	Tesla Transformers Pvt. Ltd., Bhopal, M.P.	Consultancy for condition monitoring/ performance evaluation of the distribution/power transformer health.	1.71	Dr. M.S.Ballal, Dr. H.M.Suryawanshi	Completed

ELECTRONICS AND COMMUNICATION ENGINEERING

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount	Investigator(s)	Present status
1	NVIDIA	Student Internship	nil	Dr. A. G. Kothari	On going
2	SAMEER, IIT Mumbai	Student Internship	nil	Dr. A. G. Kothari	On going
3	HTIC, IIT Madras	Student Internship	nil	Dr. A. G. Kothari	On going

VLSI AND NANOTECHNOLOGY

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigator(s)	Present status
1	AG Electronics	Antenna design and characterization	0.10	Prof. R. B. Deshmukh	Ongoing
2.	Indian Railways	Development of Vibration Sensors	NA	Prof. R. M. Patrikar and Prof. R. B. Deshmukh	Ongoing

MECHANICAL ENGINEERING

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigators	Present status
1.	Star Circlips	Fatigue testing of wave washer	1.2	Dr.P.M. Padole	Ongoing
2.	Vidarbha Cricket Association, Nagpur	Testing of Wire Ropes for load.	0.45	Dr.P.M. Padole	Ongoing
3.	Central Excise Department	Inspection of Rolling Mills for determining capacity of Mills	0.5	Dr.P.M. Padole	Completed
4.	Ordnance Facory, Chanda	Calibration of Air Flow Meters	0.18	Dr.S.B. Thombre	Completed

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigators	Present status
5	Dr. Gausia Ahemed, Rungata College of Dental Science and Research , Raipur	Analysis of dental Implant	0.10	Dr. Y. M. Puri	Completed
6	Dr. Vinay Bedre, SDKS Dental College Nagpur	Surface finish analysis	0.0 51	Dr. Y. M. Puri	Completed
7	VSPM Dental College, Nagpur	Testing of Dental Screws	0.24	Dr. R.V. Uddanwadiker	Completed
8	Nirmeetee Engineers	Design, development and fabricatoin of ductor bot	2.2	Dr.Sheetal S. Chiddarwar	Ongoing
9	Executive Engineer, Minor Irrigation, Aurangabad	Surge analysis of Brahmangaon LIS, Aurangabad	1.2	Dr. A. K. Singh	Ongoing

METALLURGICAL AND MATERIALS ENGINEERING

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigator(s)	Present status
1	HINDALCO	M Tech Project	Nil	Dr.Jatin Bhatt (VNIT) A Krishnakumar (HINDALCO)	Continuing
2	GTRE, Bengaluru	Academic projects	-	Dr.A.R. Ballal Dr.M.M. Thawre D.R. Peshwe	Ongoing
3	Viraj Profiles	Failure Testing	0.05	Dr.Ajay Likhite	Completed

MINING ENGINEERING

Sr. No.	Name of Industry / organization	Consultancy Topic / Activity	Consultant Amount (In Lacs)	Investigator(s)	Present status
1	Sunflag Iron & Steel Co. Ltd.	Rock Mass Rating of roof and geotechnical study of Belgaon coal mine	3.55	Dr. N. R. Thote, Dr. R. R. Yerpude	completed
2	MOIL Ltd	Examination and evaluation on subsidence management of forest land of Ukwa mines	0.52	Dr. N. R. Thote	completed
3	M/S Indra Minerals, Rayalacherulu, Ananthpur District (A.P.)	RMR and support design guidelines for their mines os steatite mines of Ananthpur District	2.79	Dr. N. R. Thote	completed
4	RMC Ready Mix , Hyderabad	Evaluation of Ground vibration of Hyderabad RMC Quarry	0.25	Dr. N. R. Thote	completed
5	MOIL Ltd	Blast evaluation and VOD measurement of SME Blast of Dongari Buzurg mines of MOIL	0.49	Dr. N. R. Thote	completed
6	MOIL Ltd	Evaluation and Prediction of subsidence parameters and 3 D analysis of	0.77	Dr. N. R. Thote	on going
7	MOIL Ltd	Technical & Feasibility study of overburden rock of Dongri Buzurg & Kandri Mine for consolidated stowing in underground mines	39.25	Dr. I.L. Muthreja Dr. R.R. Yerpude Dr. A.D. Ghare	on going



Innovation & Technology Transfer

16. INNOVATION AND TECHNOLOGY TRANSFER

CHEMICAL ENGINEERING

Sr. No.	Name of the faculty	Details of Investigation & Technology Transfer
1	Dr S A Mandavgane and Dr.S.P. Tajane	Micro fine neem bio pesticide in association with BARC

CIVIL ENGINEERING

Sr. No.	Name of the Faculty	Details of Investigation & Technology Transfer
1	Dr. R.V.Ralegaonkar	Designed and developed successfully the masonry product from agro-waste and the same is implemented in one of the slums in Nagpur with kind permission from NMC, Nagpur.

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr. No.	Name of the faculty	Details of Investigation & Technology Transfer
1	Dr. M. S. Ballal and Dr. H. M. Suryawanshi	Error Compensation Techniques in Industrial Metering, M/s Koyana Engineers Pvt. Ltd, Nasik India, 2016
2	Dr. M. S. Ballal and Dr. H. M. Suryawanshi	Condition monitoring performance evaluation of the distribution/power transformer health, Tesla Transformer Ltd., Bhopal (MP) 2016
3	Dr. M.V.Aware	FO-PID for Industrial Application- BARC, Mumbai

Medical Device Innovation Conclave, 19 - 23 September 2016



STTP on Fractional Order Calculus Engineering Laboratory 15-19 November 2016



12th National Workshop IPROMM 22- 23 Dec., 2016



Police Martyr's Day



VISAKA Campaign in Civil Engineering Department, VNIT, Nagpur



Symposium on “Mathematics and its Applications” 22nd Dec. 2016



STTP on “Spectroscopic Techniques: Fundamentals to Application” (STFA-2016)



**Workshop on " Statistical Data Analysis using R (SDAR 2016)"
20-25 June 2016 by Department of Computer Science and Engineering**



**Workshop On "High Performance Computing (HPC-2016)"
23-27 May 2016, Organized by
Department of Computer Science & Engineering**



ELECTRONICS AND COMMUNICATION ENGINEERING

Sr. No.	Name of the faculty	Details of Investigation & Technology Transfer
1	Dr. A. G. Kothari	As per the guidelines by NPIU regarding technology transfer cell, a visit to Deolapar village to discuss real life challenges encountered by the villagers due to unavailability and inaccessibility to the technology. The area of solution identified is healthcare and School Education through ICT.

VLSI AND NANOTECHNOLOGY

Sr. No.	Name of the faculty	Details of Investigation & Technology Transfer
1	Dr. R. M. Patrikar	Design and Fabrication of instrument for microfluidic studies

MECHANICAL ENGINEERING

Sr. No.	Name of the faculty	Details of Investigation & Technology Transfer
1	Dr. Rashmi d U danwadiker	Technology transfer to Om Surgicals, Mumbai Date 30-11-2016
2	Dr. Sheetal S. Chiddarwar	Duct cleaning robots – Patent and Technology transferred to Nirmitee Robotics India Private Limited, 15.02.2017

METALLURGICAL AND MATERIALS ENGINEERING

Sr. No.	Name of the faculty	Details of Investigation & Technology Transfer
1	Dr. D.R. Peshwe	Under Unnat Bharat Abhiyan(UBA), 1) Training of Blacksmiths at Gujarat and Establishments of Labs at Bardoli 2) Survey of three villages in Melghat



Seminars/Summer Schools/ Short Term Courses/Workshops

17. SEMINARS/SUMMER SCHOOLS/SHORT TERM COURSES/WORKSHOPS

17.1 Organized by VNIT

APPLIED MECHANICS

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. A Y Vyavahare Dr. R K Ingle	Seven Days Refresher Course on Structural Design of Water Treatment Plants and Other Related Structures	25 Nov to 1 Dec 2016
2	Dr. A Y Vyavahare	Short Term Training Programmer on Structural Analysis using ANSYS	20 – 25 March, 2017
3	Dr. Ratnesh Kumar Dr. R. K. Ingle	Understanding Earthquake Behaviour of Buildings	21 - 26 May, 2016
4	Dr. Debarati Datta Dr. Sangeeta Gadve	Lecture series on “Numerical methods and Solid Mechanics” by Prof Y.M. Desai from IIT Bombay	11 - 13 October, 2016.

ARCHITECTURE AND PLANNING

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. RajashreeKotharkar, Dr. Pankaj Bahadure, Dr. SarikaBahadure	Sustainable cities	19 -23 October 2016
2	Dr. Alpana. R. Dongre, Dr. AkshayPatil, Dr. AmitWahurwagh	Architectural Acoustics- Measurements and Simulations	6 -10 March 2017

CHEMISTRY

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. Anupama Kumar & Dr. Anjali Junghare	The sexual harassment of women at workplace”	Half day workshop on 19th September, 2016. Awareness programme for Girl student and Women employees of VNIT
2	Dr. Anupama Kumar Dr. Atul V Wankhade	Spectroscopic Techniques: Fundamental to Applications	5- 9 Dec. 2016
3	Dr. Susanta Kumar Nayak	Outreach Program "Science of Crystallography"	16 Feb. 2017 (3:00-5:00 PM)

CHEMICAL ENGINEERING

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. Sachin Mandavgane	Summer Design School	16-31 May 2016
2	Dr. R. P. Vijayakumar and Dr. A. S. Chaurasia	CHEMIX '17 (National Conference on Inter- and Intra-Disciplinary Blend of Chemical Engineering)	25-26 March, 2017
3	Dr. R. P. Vijayakumar	CHEMIX '16 (National Conference on Inter- and Intra-Disciplinary Blend of Chemical Engineering)	2-3 April, 2016
4	Dr. Ravi N. Methekar Dr. S. G. Agrawal	Process modeling and simulation using Matlab	14-19 July, 2016
5	Dr. C. Ravikumar Dr. Jatin Bhatt Dr. K. L. Wasewar	STTP on "Nanoscience and Nanotechnology"	6-10 July, 2016
6	Dr. K. L. Wasewar Dr. D. Z. Shende Dr. M. N. Varma	National Workshop on 'Advances in Explosive and Propellants'	15-19 March, 2017
7	Dr. K. L. Wasewar Dr. D. Z. Shende Dr. M. N. Varma	Self Sponsored Short Term Course on 'How to write Research Paper'	22-26 February, 2017
8	Dr. Ravikumar C. Dr. K. L. Wasewar	Self Sponsored Short Term Course on 'Nanoscience & Nanotechnology'	6-10 July, 2016
9	Dr. A. S. Chaurasia Dr. S. A. Mandavgane Dr. K. L. Wasewar	Short Term Training Program on Computational Modeling with COMSOL Multi-Physics	21-25 May, 2016

CIVIL ENGINEERING

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. A.D. Ghare (Convener) Coordinator(s) Dr. R. V. Ralegaonkar, Dr. M. V. Madurwar	Self-sponsored workshop on 'Sustainable Construction Engineering for Smart City Development'	14 -18 March 2017
2	Dr. Rajesh Gupta	Computer aided analysis and design of pipelines and pipe networks for water supply and sewerage networks	17-23 Nov 2016 sponsored by CPHEEO
3	Dr. Rajesh Gupta and Dr. V. A. Mhaisalkar	Annual Convention of Indian Water Works Association	19-21 Jan 2017
4	Dr. Y B Katpatal & Dr. A R Tembhurkar	Climate Change Sponsored by TEQIP II	8-9, Oct 2016

COMPUTER SCIENCE AND ENGINEERING

Sr.No.	Name of the Co-ordinator	Title	Duration
1	D. D. Shrimankar and Dr. S. R. Sathe	High Performance Computing (HPC-2016)	23-27 May 2016
2	Dr. M. M. Dhabu and Dr. P. S. Deshpande	Data Mining using R (DMR 2016)	27 June – 2 July, 2016.
3	Dr. U.A. Deshpande and Dr. M P Kurhekar	(DIS-2016) Designing Intelligent Systems	3 -7, Dec2016
4	Dr. U.A. Deshpande and Dr. R. B. Keskar	(RTS-2016) Schedulability Analysis of Real Time Systems	12-17 Dec 2016
5	Dr. S.A. Raut	Biological Databases & Machine Learning in R	5- 10 December, 2016
6	Dr. M. M. Dhabu and Dr. P. S. Deshpande	Statistical Data Analysis using R (SDAR 2016)	20-25 June 2016

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr.No.	Name of the Coordinator(s)	Title	Duration
1	Dr.M.K.Khedkar Dr.A.Mitra	Advancements in R.E.S & Energy Storage Devices with 23 participants & a budget of Rs.2.5Lacs	30 Jan - 04 Feb, 2017
2	Dr. H. M. Suryawanshi, Dr. Ritesh Keshari	One week workshop on Charging Systems for Electric Vehicles (GAIN Course)	7-12, Dec.2016
3	Dr. H. M. Suryawanshi, Dr. Ritesh Keshari and Dr. M. S. Ballal	One week Self-sponsored Workshop on Power Electronics Applications in Micro-Grids: <i>Enabling Green Energy</i> (STC-PEAMG-2016)	6-10, April 2016
4	Dr. M.V.Aware	Control Methods or High Performance Electric Drives	18-19 Jan 2016
5	Dr. M.V.Aware	Fractional order calculus engineering laboratory	15-19 Nov 2016
6	Dr. Anjali Junghare Mrs.Deepali Deshpande	Workshop on Women Empowerment Women's Day Celebration	22 March 2016
7	Dr.O.R.Jaiswal Dr. A.S.Junghare	Induction training for Student Mentors of Batch 2015. Experts from Tata Institute of Social Sciences	6-7 August 2016
8	Dr. Anjali Junghare Mrs.Deepali Deshpande	Awareness program on 'Sexual Harassment of Women at Workplace'	12 September 2016
9	Dr. A.S.Junghare Dr. M.V.Aware Dr. B. A. Rajpathak	"Fractional Calculus Engineering Laboratory"	15-19 November, 2016.

Sr.No.	Name of the Coordinator(s)	Title	Duration
10	Prof. O.R.Jaiswal Prof.A.S.Junghare	Workshop on Student Mentoring	1 April 2017
11	Dr. Makarand M. Lokhande, Dr. P. S. Kulkarni, and Dr. N. R. Patne	“Renewable Energy Systems and Power Quality” (Self financed STTP)	29 August to 2 September 2016
12	Dr. M. K. Khedkar and Dr. A. Mitra Dr. Makarand M. Lokhande	“Design and implementation of solar photovoltaic system” (Lecture series)	25 and 26 March 2017
13	Dr. R.K. Keshri Dr. H.M. Suryawanshi	GIAN Course on Charging Systems for Electric Vehicles, Foreign Professor, Giuseppe Buja, Life Fellow <i>IEEE</i> , University of Padova, Italy	7-12 December, 2016
14	Dr. R.K. Keshri, Dr. M.S. Ballal, and Dr. H.M. Suryawanshi	NaMPET one week workshop on “Power Electronics Technologies for micro-grid Enabling Green Energies”	6-10 April, 2016,
15	Dr. R.K. Keshri	One day IEEE Invited talk on “Power Electronics and Machine Drives as an Enabling Technology for Transportation Electrification” by Prof. Sheldon Williamson, University of Ontario, Canada	16 August, 2016
16	Dr. Ritesh Keshri, Sheldon Williamson, K.N. Mude, and Sachin Jain (<i>Organizing Chairs</i>)	Inaugural IEEE-IES Workshop on Transportation Electrification, IISC, Bangalore	12 August, 2016
17	Giambattista Gruosso, Ritesh Keshri, Xuwei Pan, and Hiroshi Fujimoto (<i>Organizing chairs</i>)	Technical Track on “Transportation Electrification and Vehicle Systems” ICIT 2017, Ontario, Canada	22-25 Mar, 2017
18	Amit Jain, K. Sivakumar, Ritesh Keshri, Bhakti Joshi, and Maher Al-Badri (<i>Organizing committee</i>)	Technical Track on “Electrical Machines and Drives” IEEE PEDES 2016	14-17 Dec, 2016
19	Ritesh Keshri, Bhakti Joshi, Pan Xuwei, and, Abhijit Choudhry (<i>organizing chairs</i>)	Technical Track on “Transportation, Electrification and Vehicle Systems”, IEEE-IECON 2016, Florence, Italy	24-27 Oct, 2016
20	Dr. Ritesh Keshri, Giuseppe Buja, and Akshay. Rathore (<i>Organizing chairs</i>)	Special session on “Permanent Magnet Drives For Land And Aerial Vehicles” IEEE-IECON 2016, Florence, Italy	24-27 Oct, 2016
21	Dr. Ritesh Keshri, Fei Gao, Akshay Rathore, and Sheldon Williamson (<i>Organising Chairs</i>)	Technical Track on “Transportation Electrification” IEEE ISIE 2016, Santa Clara, Canada	8-10 June, 2016
22	Dr Pradyumn Chaturvedi Dr. M. S. Ballal	Self-financed Short Term Training Program on “Emerging Trends in Power System, Instrumentation and Control”	03-07 Oct, 2016

ELECTRONICS AND COMMUNICATION ENGINEERING

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. Prabhat Sharma	GIAN COURSE: Advanced Wireless Communication Systems: A PHY Layer Perspective	12 -17 Dec. 2016
2	Dr. Saugata Sinha, Dr. K.M.Bhurchandi	3 day hands on Workshop on Digital Signal Processing	5- 7 March 2016
3	Dr. Sudhir Kumar	Hands-on workshop on internet of things	8-9 Sep 2016
4	Dr.K.D.Kulat Dr.Joydeep Sengupta Dr.Vinay Kumar Dr. K.Surender	Role of Mathematics in Engineering	26-30 Sept 2016
5	Dr. A. S. Gandhi Dr. Prabhat Sharma	Research Paradigms in Communication Engineering	10-15 Oct 2016
6	Prof. K. M. Bhurchandi, Dr. V. Satpute Dr. S. Sinha Dr. Sudhir Kumar	ARM Student Design Challenge - ADC 2016 Zonals	6 Jan 2017

VLSI AND NANOTECHNOLOGY

Sr.No.	Name of the Coordinator	Title	Duration
1	Prof. R. M. Patrikar and Prof. R. B. Deshmukh	Instruction Enhancement Program on Deep Submicron Technologies	5-9 Dec. 2016
2	Dr. Ganesh C. Patil	ISTE Workshop on CMOS, Mixed Signal and Radio Frequency VLSI Design	30 January 2017 – 4 February 2017
3	Prof. R. M. Patrikar and Prof. R. B. Deshmukh	Chip-to-System Design Cluster project review meeting.	20 -21 March 2017

HUMANITIES AND SOCIAL SCIENCES

Sr.No.	Name of the Coordinator	Title	Duration
1.	Dr. M. Ghosal	Two day National Conference organized on 'Professional Ethics and Human Values'	18-19, December, 2016
2.	Dr. M. Ghosal	Short Term Training Program on 'Research Methodology'	16-22 May 2016
3.	Dr. G.N.Nimbarte	Two day National Conference organized on 'Professional Ethics and Human Values'	18-19 December, 2016
4.	Dr. G.N.Nimbarte	Short Term Training Program on 'Research Methodology'	16 - 22 May 2016

MATHEMATICS

Sr.No.	Name of the Coordinator	Title	Duration
1	Pallavi Mahale and M. Devakar	One day Symposium on “Mathematics and its Applications”	22 December 2016

MECHANICAL ENGINEERING

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. A. M. Kuthe	Medical Device Innovation Conclave	19- 23, Sept.2016
2	Dr. V. R. Kalamkar	Computational Fluid Dynamics (CFD) and Software Training	21- 25 June 2016
3	Dr. V. R. Kalamkar	Three Days Workshop on Business and its Industrial Applications	14 - 16 Oct,2016
4	Dr. V. R. Kalamkar	CFD Applications in Energy Efficiency and Safety	21- 22, Oct,2016
5	Dr. A. B. Andhare	12th National Workshop IPROMM 2016	22- 23 Dec,2016
6	Dr. R. V. Uddanwadiker	Workshop on Success Stories of Biomedical engineering Projects	23 Oct, 2016
7	Dr. A. S. Dhoble	Workshop on CFD	21- 25 June 2016
8	Dr. Sheetal S. Chiddarwar	Summer Design School	16- 31 May,2016
9	Dr. Sheetal S. Chiddarwar	Workshop on Industrial Problems on Machines and Mechanisms	22- 23 Dec,2016
10	Dr. H. P. Jawale	STTP on Product Design	02- 03 April, 2016
11	Dr. T.V.K. Gupta	Workshop on Manufacturing of Advanced Materials: A Research Perspective	27 June to 01 July,2016
12	Dr. T.V.K. Gupta	STTP on Finite Element Methods: Research & Industrial Applications	06- 17 June,2016
13	Dr. T.V.K. Gupta	STTP on Summer Research Program- 2016	09 May to 14 July,2016
14	Dr. Trushar B. Gohil	Summer School on Computational Fluid Dynamics (CFD)	26 May to 09 July, 2016

Sr.No.	Name of the Coordinator	Title	Duration
15	Dr. Trushar B. Gohil	Summer Research Program	09 May to 14 July,2016
16	Dr. Trushar B. Gohil	Self Financed One Week Training On Computational Fluid Dynamics (CFD) with OpenFOAM	08- 12 Dec, 2016
17	Dr. Ravikumar Dumpala	Workshop on Manufacturing of Advanced Materials: A Research Perspective	27 June to 01 July,2016
18	Dr. Ravikumar Dumpala	Summer Research Program (SRP)	09 May to 14 July,2016
19	Dr. Gaurav Tiwari	STTP on Finite Element Analysis- Research and Industrial Applications	06- 17 June,2016
20	Dr. Gaurav Tiwari	Summer research program-2016	09 May to 14 July,2016

METALLURGICAL AND MATERIALS ENGINEERING

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. D. R. Peshwe and Dr Y.M. Deshpande	Management development program under program “Disha” for IOCL dealers Training Program (80 delegates)	21-22 Sept 2016 and 16-17 Dec 2016
2	Dr. Atul Ballal, Dr. Jatin Bhatt and Dr. Ajay Likhite	Metallurgy for Non Metallurgists	6-10 Jan, 2017
3	Dr.C. Ravikumar, Dr. Kailash L Vasewar and Dr. Jatin Bhatt	STTP on ‘Nanoscience and Nanotechnology’	6-10 July, 2016

MINING ENGINEERING

Sr.No.	Name of the Coordinator	Title	Duration
1	Dr. I .L. Muthreja & Dr. R. R. Yerpude	Professional Development Course on "Stability of Slopes and Dumps in Mines"	21-22 January, 2017
2	Dr. A. K .Agarwal	Aptitude for Engineers	22 Oct 2016

17.2 Staff members deputed for seminars / workshops / summer schools by the Institute

APPLIED MECHANICS

Sr.No.	Name	Name of Program	Organizing agency / sponsors	Date
1	Dr. Ratnesh Kumar	Delivered Lecture and Training in Indo-Norwegian Training Programme on Seismic Design of Multi-Storey Buildings: IS 1893 vs. Eurocode 8	NORSAR, BMTPC and IIT Roorkee	8-10 Dec2016
2	Dr. Ratnesh Kumar	Delivered Lecture and Training in Recent Advance in Civil Engineering-2017	Dept. of Civil Engg., NIT Jamshedpur	Mar 02 – Mar 04, 2017
3	Dr. Ratnesh Kumar	Attended STTP Vibration Mitigation Techniques: Theory & Application	QIP center IIT Roorkee	27 June to 01 July 2016
4	Dr. L M Gupta	Application of IS800-2007 in design of steel structures	Shri Ramdeobaba College Engineering & Management, Nagpur	12 Jan to 16 Jan 2017

ARCHITECTURE AND PLANNING

Sr.No.	Name of the Faculty	Name of the Programme	Organising Agency/ Sponsors	Date
1	Dr. Vinayak S. Adane	Academia and CSOs in Mass Communication, Ecological Resilience, Social Transformation and International Development, JAPAN	International Policy Seminar, Graduate School of Policy Studies, AGU, Japan	21-23 December 2016
2	Dr. Sameer M. Deshkar	Academia and CSOs in Mass Communication, Ecological Resilience, Social Transformation and International Development, JAPAN	International Policy Seminar, Graduate School of Policy Studies, AGU, Japan	21-23 December 2016

CHEMISTRY

Sr.No.	Name	Name of Programme	Organizing agency/sponsors	Date
1	Sangesh Zodape	Santilli International Symposium (International Symposium on Sustainable Mathematics Applications) 2016 - Sustainable Industrial Processing Summit & Exhibition at Sanya Marriott Yalong Bay Resort & Spa, Hainan-Island China” (Office order: Estt/A/5578 dated 26 oct., 2016)	Santilli Foundations	06-10 November, 2016
2	Susanta Kumar Nayak	Power plant Chemistry and Corrosion, Nagpur	Vidarbha Industries Power Limited (Reliance Power, Butibori Nagpur), Venue: Hotel Tuli Imperial, Ramdaspath, Nagpur	24-25, February, 2017
3	Susanta Kumar Nayak	"Quest for Best" Learning New pedagogy in the contemporary Engineering Education	Organized by VNIT, Nagpur	9-13 August 2016

CHEMICAL ENGINEERING

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
1	Dr S.A. Mandavgane	India International Science Festival	Department of Science and Technology	8-11 Dec, 2016
2	Dr. A. S. Chaurasia	“32 nd M. P. Young Scientist Congress”	Madhya Pradesh Council of Science and Technology, Bhopal, India	10-11 March, 2017.
3	Dr. A. S. Chaurasia	‘Petrotech 2016 - 12 th International Conference on Oil and Gas’	Ministry of Petroleum and Natural Gas, New Delhi, India	5 – 7, Dec, 2016.
4	Dr. M. N. Varma	Technical Interaction	IIT Madras, at Chennai	02-06 May, 2016

CIVIL ENGINEERING

Sr.No.	Name of The faculty	Name of Programme	Organizing agency/sponsors	Date
1	Dr. M.V. Madurwar	Quest for Best (Training Program for Newly Joined Faculties)	VNIT, Nagpur	9-13 August 2016
2	Dr. S.A. Adhikari	Quest for Best (Training Program for Newly Joined Faculties)	VNIT. Nagpur	9-13 August 2016
3	Dr. A.B. Mirajkar	Quest for Best (Training Program for Newly Joined Faculties)	VNIT. Nagpur	9-13 August 2016

COMPUTER SCIENCE AND ENGINEERING

Sr.No.	Name	Name of the Programme	Organizing Agency / sponsors	Date
1	Anil Mokhade	International Seminar on "IT Innovations & Security Issues" as Keynote Speaker	MATS School of Information Technology, MATS University, Raipur, CH	29 December 2016
2	Mansi A. Radke	Summer school on Document Analysis and Document Informatics	IAPR (International Association of Pattern Recognition) organised by CEERI Pilani, SUNY Buffalo University, IIIT Hyderabad, Birla Institute of Scientific Research (BISR) in January 2017.	23 - 28 January 2017
3	Deepti Shrimankar	Visvesvaraya PhD Scheme for Electronics & IT/ITES Second Workshop for Presentation of Research Work	DietY, GoI	20 – 21 February 2017
4	Dr. Shital A. Raut	Multivariate Data Analysis	Fore School Of Management, New Delhi	12-13 May, 2016
5	Dr. Shital A. Raut	Machine Learning & Data Analytics	Fore School Of Management, New Delhi	23-27 May, 2016
6	Dr. P.A. Sharma	Quest for Best : Learning New Pedagogy in the Contemporary Engineering Education	VNIT, Nagpur	9-15 August 2016

ELECTRICAL AND ELECTRONICS ENGINEERING

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
1	H. M. Suryawanshi	IEEE Industrial Electronics Society, IECON 2016, Florence, Italy	IEEE Industrial Electronics Society,	23-26 Oct.2016
2	M.V.Aware	Conference	IEEE IES/PES Chapter	16-18 Dec 2016
3	P.S.Kulkarni	Selection of Supdt. Engineer for MAHAGENCO	IBPS, Mumbai	26 June 2016
4	P.S.Kulkarni	TEQIP Training Prog. On “Recent Trends in Power Systems and Renewable Energy”	Electrical Engg. Dept., NIT, Raipur	23 Sept. 2016
5	P.S.Kulkarni	Workshop on Control of Renewable Power System	Electrical Engg. Dept., NIT, Rourkela	28 Sept. 2016
6	M.M.Lokhande	Solar Photovoltaic Technologies	Mineral Exploration Corporation Ltd., Nagpur	29 April 2016
7	M.M.Lokhande	GIAN program on “Designing and developing flipped classroom e-learning instruction in engineering and science education”	NIT Warangal	9 May to 18 May 2016
8	M.M.Lokhande	Solar Energy Utilization (SUN) for Sustainable Development	CSIR-NEERI, Nagpur	23 March to 24 March 2017

ELECTRONICS AND COMMUNICATION ENGINEERING

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
1	Dr. Prabhat Kumar Sharma.	Short term FDP on 5G Technology	National Institute of Technology, Patna	07 Dec 2016
2	Dr. Prabhat Kumar Sharma.	Modeling and Simulation for Research and Development	Government Women Engineering College Ajmer	25 Nov2016
3	Dr. Prabhat Kumar Sharma.	Advanced Wireless Communication	Anand Engineering College, Agra	07 Feb 2017
4	Dr. Prabhat Kumar Sharma.	Recent Trends in Microwave, Antenna and Wireless Communication	Cambridge Institute of Technology, Ranchi	28 Feb - 01 March 2017
5	Dr. Prabhat Kumar Sharma.	Modeling and Simulation of Next Generation Optical Networks	Government Women Engineering College Ajmer	22-23 March 2017
6	Dr. K M Bhurchandi	Scale invariant Human face recognition	Govt. Engg. College Aurangabad: STTP on Signal and Image Processing 4 th -9 th Feb 17	08 Feb 2017
7	Dr. K M bhurchandi	ARM Architectures	KDK Engg. College, Nagpur	24 Oct 2016
8	Dr. V. R. Satpute	Guest Lecture	Govt. college of Engg. Aurangabad	07 Feb 2017

MATHEMATICS

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
1	Dr. G. P. Singh	82 nd Annual Conference of Indian Mathematical Society	Kalyani University, Kalyani (WB)	27-30 December, 2016
2	Dr. G. P. Singh	National conference on mathematical sciences for development of science and technology	GLA University, Mathura (UP)	26-27 February, 2017
3	Dr. D.K. Patel	Workshop On Fixed Point Theory and Dynamical Systems with Real World Applications	SVNIT, Surat	23-25 February, 2017

MECHANICAL ENGINEERING

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
1	Dr. A. M. Kuthe	World Foundary Congress	Nagoya, Japan	19- 27 May,2016
2	Dr. V. R. Kalamkar	Five Day state level Workshop on CFD	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune, India	06- 10 Dec, 2016
3	Dr. V. R. Kalamkar	Asian Congress on Gas Turbines	IIT Bombay	14-17 November 2016
4	Dr. V. R. Kalamkar	6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power	MNNIT Allahabad	15-17 December, 2016
5	Dr. V. R. Kalamkar	12th IPRoMM	VNIT Nagpur	22- 23 Dec,2016
6	Dr. A. B. Andhare	12th IPRoMM	VNIT Nagpur	22- 23 Dec,2016
7	Dr. A. B. Andhare	Techno-vision 2k17	GCOE Jalgaon	21 Jan 2017
8	Dr.R.V. Uddanwadiker	Medical device innovation conclave	VNIT, Nagpur	19- 23 Sept, 2016
9	Dr.Sheetal S. Chiddarwar	TEQIP Workshop on Control Techniques and Applications	IIT Kanpur	19- 23 Sept, 2016
10	P. V. Kane	A short term course on condition monitoring of mechanical systems using advanced signal processing	Department of mechanical engineering, IIT Indore, Indore	27-28 June 2016
11	Dr. A.K. Singh	ICCMS 2016	IIT Bombay	27 June to 01 July,2016
12	Dr. T.V.K. Gupta	Quest for Best : Learning New Pedagogy in the Contemporary Engineering Education	Visvesvaraya National Institute of Technology Nagpur	9-13 Aug 2016

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
13	Dr. Trushar B. Gohil	Quest for Best	VNIT Nagpur	9-13 Aug 2016
14	Dr. Ravikumar Dumpala	Quest for Best : Learning New Pedagogy in the Contemporary Engineering Education	VNIT Nagpur	9-13 Aug 2016
15	Dr. Gaurav Tiwari	Quest for Best	VNIT Nagpur	9-13 Aug 2016

METALLURGICAL AND MATERIALS ENGINEERING

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
1	Dr.D.R. Peshwe	Sipna ShodhYatra, Melghat	Sampoorna Bamboo Kendra, Lawada, Melghat / Under CPDA	25- 31 Dec 2016
2	Dr. D. R. Peshwe	Blacksmith's Training Program, Gujarat	SuruchiShikshanVasant Trust, Bardoli and NaiTalimSamiti, Wardha.	4-7 January 2017
3	Dr. A.P. Patil	QIP Short term Course on Principles of Steel Making	Centre of Excellence in Steel Technology, Deptpf Met engg and Mat Sc., IIT Bombay	19-24 Dec 2016
4	Prof.D.V. Moghe	GIAN-MHRD	COE Pune	22-28 Sept. 2016
5	Prof.D.V. Moghe	Expert Lecture – Clean steel making principles.	JSW Salem	9-10 July 2016
6	Prof.D.V. Moghe	Expert lecture – Concept of clean steel	BMM Ispat Ltd. Hospat	28-29 Dec. 2016
7	Prof.D.V. Moghe	Expert Lecture – Ball bearing steel	Hospet Steel	27-28 Jan. 2017

MINING ENGINEERING

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
1	Dr. N. R. Thote	Expert lecture on safety in blasting to Mining Executives of WCL	MDI, HRD, WCL	13Dec 2016
2	Dr. N. R. Thote	Expert lecture on Control blasting for sensitive sites, CR, Indian Railways, HQ Mumbai	Indian Railways, HQ Mumbai	26 Oct 2016
3	Dr. N. R. Thote	C.G. P.S.C. Selection Committee	C.G. P.S.C.	Sept 2016
4	Dr. N. R. Thote	Research Assessment Committee, Peer Review meeting	Nat. Institute of Miners Health, Nagpur	May 2016
5	Dr. I .L. Muthreja	International Symposium on Mining with Backfill	Society for Mining, Metallurgy and Exploration, USA	19-22 February, 2017
6	Dr. I .L. Muthreja	C.G. P.S.C. Selection com.	C.G. P.S.C.	Sept 2016
7	Dr.S.S.Gupte	Carbon Capture, Storage and Re-use in India	Carbon Capture Journal, UK and the Department of Earth Sciences, IIT Bombay	30 September 2016
8	Dr.S.S.Gupte	APSSIM 2016 Proceedings of the First Asia Pacific Slope Stability in Mining Conference	Australian Centre for Geomechanics, the Commonwealth Scientific and Industrial Research Organisation (CSIRO) and The University of Western Australia	6-8 September 2016
9	Dr. A. K. Agarwal	Quest for the Best	VNIT Nagpur	9 - 13 August 2016.
10	Dr. R. D. Lokhande	Quest for the Best	VNIT Nagpur	9 - 13 August 2016.
11	S. Panchal	EUROCK 2016-The 2016-ISR International Symposium on "Rock Mechanics & Rock Engineering: From the Past to the Future	Turkish National Society for Rock Mechanics	29-31 Aug,2016

PHYSICS

Sr.No.	Name	Name of Programme	Organizing agency / sponsors	Date
1.	Dr. Mrs. S.M. Giripunje	MEDIC 2016, Medical Device Innovation Conclave	Biomedical Engineering & Technology Incubation Center, VNIT, held at CAD-CAM center, VNIT	19-23 September 2016



Departmental Laboratories

18. 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 Room
9. Reading Room (Departmental Library)
10. Data processing Laboratory
11. Advance Computing Laboratory
12. Advance Concrete Technology Laboratory

ARCHITECTURE AND PLANNING

1. Acoustics and Illumination
2. Climatology
3. Photography
4. Appropriate Material and Technology
5. Modeling workshop
6. Computer Lab. P.G
7. Computer Lab. U.G.
8. Materials Bureau
9. Audio Visual facilities.

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. 1st Semester
8. Analytical Chemistry Lab - PG Laboratory for M.Sc. 2nd Semester
9. Synthesis and Characterization Lab- PG Laboratory for M.Sc. 3rd Semester
10. Computational chemistry Laboratory- M.Sc. 3rd Semester
11. Material Synthesis and Characterisation Lab

CHEMICAL ENGINEERING

1. Fluid Mechanics Lab
2. Process Control Laboratory
3. Industrial Waste Treatment Laboratory
4. Analytical Instrumentation Laboratory
5. Polymer Processing Laboratory (Research Lab.)
6. Process Modeling and Simulation Lab
7. Chemical Reaction Engineering
8. Environmental Engineering Lab
9. Heat Transfer Laboratory
10. Nano Research Lab
11. Nanotechnology Research Projects Lab
12. Mechanical operation lab
13. Mass Transfer Laboratory
14. Advance separation lab
15. Chemical Reaction Engineering laboratories

CIVIL ENGINEERING

1. Transportation Engineering
2. Geotechnical
3. Concrete Technology
4. Building Materials and Technology
5. Surveying
6. Hydraulics
7. Environmental Engineering
8. Environmental Microbiology & Biochemistry
9. Water & Waste Water Lab
10. Air Pollution Control & Monitoring
11. Water Resources Engineering
12. Computer Lab UG
13. Engineering Geology
14. Computer Lab (WRE)
15. Remote Sensing and GIS

COMPUTER SCIENCE AND ENGINEERING

1. Data Structure & Program Design Lab (UG-I Lab)
2. High Performance Computing Lab
3. Pattern Recognition Lab (PG-II Lab)
4. Distributed Systems Lab(PG-I Lab),

5. Computer Network Lab, 1st Floor Cloud Computing Lab
6. DBMS & Compiler Lab (UG-II Lab)
7. Cloud Computing Lab

ELECTRICAL AND ELECTRONICS ENGINEERING

1. Fractional Calculus Application Laboratory: National Level laboratory inaugurated in the department
2. Distributed Generation Laboratory

ELECTRONICS AND COMMUNICATION ENGINEERING

1. Digital Signal Processing Laboratory
2. Photoacoustic Imaging Laboratory [Research laboratory 3]
3. Image Processing and Computer Vision Lab
4. Communication and Networking Lab
5. Advanced Communication Lab,
6. COE Lab

VLSI AND NANOTECHNOLOGY

1. Characterization Lab
2. VLSI Lab
3. MEMS Lab
4. Nano Lab
5. EDA Lab

MATHEMATICS

1. Computer Lab for PG & Ph.D. Students

MECHANICAL ENGINEERING

- 1 Refrigeration and Air Conditioning
- 2 Metrology
- 3 Hydraulic Machines
- 4 I.C. Engine Laboratory
- 5 Steam & Heat Power
- 6 Robotics & Mechatronics
- 7 Ergonomics
- 8 Computer.
- 9 Solid Mechanics
- 10 Dynamics
- 11 CAD /CAM Centre

- 12 CFD Centre
- 13 Measurement

METALLURGICAL AND MATERIALS ENGINEERING

- 1. SEM and XRD lab
- 2. Thermal Lab
- 3. Polymer Lab
- 4. Physical Metallurgy Lab
- 5. Heat Treatment Lab
- 6. Polymer Engineering Lab.
- 7. Testing of Materials Lab.
- 8. Creep Lab
- 9. Wear Lab.
- 10. Mineral Dressing LAB
- 11. Workshop
- 12. Chemical Analysis lab
- 13. Corrosion Lab 1 & 2

MINING ENGINEERING

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

PHYSICS

- 1. UG Laboratory for B.Tech. 1st& 2nd Sem.
- 2. Solid State Ionics Laboratory
- 3. Materials Science Laboratory
- 4. Nano Materials and Device Laboratory
- 5. Polymers & Nanomaterials Research Lab
- 6. Thin Film Laboratory
- 7. Oxide Electronics Laboratory
- 8. General Physics Laboratory
- 9. Electronics Laboratory



Library and Information

19. LIBRARY AND INFORMATION CENTRE

19.1 General information about the library

Collection of Books

Total- 1,39,865 Books

General Books - 70,767
 Social Welfare Book - 15,978
 British Council Book Bank – 291
 Gratis Books – 4,925
 Addl. Intake – 256
 Book Bank Scheme for ST – 386

Book Bank Books – 28,574
 Books from students aid fund – 3,941
 E- Books – 7,578
 UGC Book Bank- 483
 UGC / SAF Books – 4,331
 UG Project Report/ PG/ Ph.D Thesis - 2355

Periodicals Printed

National print - 02
 Bound Volumes –14,154+300 =14,454
 Gratis Periodicals & Pamphlets –80

International Print - 29

E-Journals – International subscription (VNIT)

(Total – 2142 Titles)

Elsevier – 742 (5 subject collection)

Springer- 1400+

Standards (Total – 9,096)

Indian Standards – 8,759

Social Standards – 337

Non-book materials

CDs – 1,378

Audio Visual Material – 298

19.2 Expenditure incurred during the year 2016-2017

Sr.No.	Grants	Amount sanctioned	Amount spent	Volumes added
1	Plan Grant (Journals)		Rs.89,36,114.00	-----
2	Non Plan Grant (News papers & magazines)		Rs.15,890.00	-----
3	General Books & Maps	Rs.10,000.00	Rs.9,214.00	22
4	Books Centre of Excellence	Rs.20,000.00	Rs.17,856.23	03
5	Plan Grant E- Books	EU 88083.00	EU 88083.00	2,630

19.3 Details of electronics resources available through E-Shodh Sindhu (Total – 3,314 Titles)

IEL Online Level II – 425
ACM Digital Library – 61
ASCE Journals – 35
ASME Journals – 29
Oxford University Press – 262
JSTOR- 2,500
Nature – 1
EPW – 1

ASTM Standards
ISID
J- gate + JCCC
Web of Science

19.4 Any other information not covered above

Highlights –

1. A SWOT analysis has been conducted in the library to identify the Strength, Weakness, Opportunities and Threats.
2. Vision & mission statements & goals for the library has been framed to guide the library activities.
3. “Library Strategic Plan 2017-20 has been created with plans & activities for the next three years. This will lay the roadmap for the library for the next three years.
4. ‘Key Performance Indicators’ KPIs have been identified for the library, based on which the evaluation of the library services will be done and decisions will be taken to improve the library.
5. The process of capacity building amongst library staff has been initiated by organize training and refresher lectures on the latest techniques and services as part of the redefining the library services.

Special Services provided –

Plagiarism detection tool “Turnitin” has subscribed and used by faculty and students.
IEEE SWEBOK online learning platform is available for students



Other Facilities

20. OTHER FACILITIES

Hostel, Messes, Staff Quarters, Administrative buildings, Medical Facilities etc.

20.1 Hostel

Total Number of Hostels :

- No. of Hostels : 11 (4 for Girls, after utilizing 3 boys hostel for girls in 2016-17)
- a) Single Seated - Capacity to accommodate 1644 students (1644 rooms For Boys)
Capacity to accommodate 336 students (336 rooms for girls)
- b) Double Seated - Capacity to accommodate 272 (136 rooms for girls)
- c) Triple Seated - Capacity to accommodate 198 students (66 rooms for girls)
- d) Four Seated - Capacity to accommodate 1260 students (315 rooms For Boys)
- e) Transit Accommodation - 48 Students

- 20.2. Total Number of Quarters :**
- a) Type I (Class IV) - 28 Nos.
 - b) Type II (Class III) - 33 Nos.
 - c) Type III (Asth. Prof.) - 08 Nos.
 - d) Type IV (Asth. Prof.) - 42 Nos.
 - e) Type V (Asso. Prof.) - 18 Nos.
 - f) Type VI (Prof.) - 21 Nos.

20.3. 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.

Total = 72 Nos.

20.4 Number of Playgrounds : 10 Nos.

20.5 Number of Gymnasium : 02 Nos.

20.6 Number of Auditorium : 01 No.

20.7 No. of Seminar Halls/ Conference Halls : 08 Nos.

20.8 Health Centre

20.8 (a) Present Staff position:-

- | | |
|---------------------------|----|
| 1. Senior Medical Officer | -1 |
| 2. Medical Officer | -1 |
| 3. Sr. Staff Nurse | -1 |
| 4. Pharmacist | -1 |
| 5. Supporting Staff | -1 |

20.8 (b) Services

1. OPD services are provided by Health Centre to all staff members , dependent family members and students of VNIT.
2. Policy at VNIT on the health facilities to the students & staff members & their dependant member of the families.
3. Liability on the part of institute with regard to providing the health facilities to as per CSMA rules.
4. On campus 24 hrs medical officer available and 24 X 7 Ambulance available. Free pharmacy for students and staff members.
5. Hospitalization in CGHS Empanelled Hospitals for students & staff members.
6. Students are provided with emergency medical shield in the form of medical aid fund for emergency hospitalization in empanelled hospitals.

20.8 (c) Seminars/Worshops/Activities

Sr.No.	Programmes	Date
1	General health checkup for 1 st year B-Tech	Aug & Sept,2016
2	HB/Urine examination 1 st year B-Tech & M-Tech (Girls)	22.10.2016
3	MMR Vaccination 1 st year B-Tech & M-Tech (Girls)	22.10.2016
4	Anemia detection/urine examination /MMR vaccination for B.Tech (Girls Student)	05.11.2016

Sr.No.	Programmes	Date
5	Vigilance awareness oath	05.11.2016
6	Anemia detection/urine examination for M-Tech	07.11.2016
7	First Aid Training Programme	20.12.2016
8	Blood donation camp	15.08.2016 & 26.01.2017
9	Cervical cancer awareness and screening programme	02.02.2017
10	Pulse Polio programme	29.01.2017

20.9 Any other Facilities available in the Campus : Shopping centre, Banks, ATMs, Post office, Canteen, Recreation clubs etc.

**Visit of Dr. Mikhail Myasnikovich, Speaker of Belarus Parliament
(Former Prime Minister of Belarus) and Dr. Mikhail Batura, Rector BSUIR,
Belarus on 12th April 2016**



**Exchange of MoU Signed with Hunan University, Changsha, Hunan, China
during Academic Delegation with Hon. President of India
Shri. Pranab Mukharjee in China, 24 - 27 May 2016**



**Dr. N. S. Chaudhari, Director, VNIT Nagpur Signing Agreement of the Brics
Network University at the Brics Conference, Ekaterinburg, Russia**



Exchange of MoU signed with ESIEE Paris (France) on 12th April 2016



Visit of Dr. V.K. Saraswat, NITI Ayog



**Prof. N. R. Thote and Prof. N. S. Choudhari, Director VNIT
in World forum of Universities of Resources on Sustainably
at Mining University Saints Petersburg, Russia
during 28 Sept. to 2nd Oct. 2016.**





Notable Achievements

21. NOTABLE ACHIEVEMENTS

21.1 Institute Achievements

- Institute has been ranked fourth, amongst all thirty one NIT's and Eighteenth in India as per National Institutional Ranking Framework, Ministry of Human Resource Development Government of India.
- Institute has been ranked by various ranking surveys 2017. The ranks are as follows :-
 - i. 6th Best Engineering Institute as per i3RC Times Engineering Survey (First amongst all NIT's).
 - ii. 18th Top Engineering College in India as per Outlook magazine Survey (Second amongst all NIT's)
 - iii. 31st Best Engineering Institute as per Edurand Ranking Survey, (Second in Maharashtra State after IIF Mumbai)
 - iv. 6th amongst all thirty one NIT's and 42nd in India as per National Institutional Ranking Framework (NIFR) for 2017 by Ministry of Human Resources Development, Govt. of India.
- VNIT Director Dr. Narendra Chaudhari was a part of academic delegation with Hon. President of India Shri Pranab Mukherjee during his excellencies visit to China during 24th May to 27th May, 2016 and signed MoU with Hunan University, Changsha, Hunan, China during the visit.
- VNIT Director Dr. Narendra S Chaudhari, as a delegation to take part in proceedings at the First Conference of the BRICS held at Ekaterinburg, Russia during 6th -9th April, 2016.
- Parag Khanna, B.Tech. Student from Mechanical Engineering Department visited Rashtrapati Bhavan, New Delhi for presenting their novel research ideas for meeting of Innovation Clubs held on 8th March, 2017.
- Dr. Mikhail Myasnikovich, Speaker of Belarus Parliament (former Prime Minister of Belarus) and Dr. Mikhail Batura, Rector BSUIR, Belarus visited at Institute on April 12, 2016.
- Dr. Wang Yong, Vice president and delegation of Southwest University for Nationalities (SWUN), Chengdu, China visited at Institute on 11th July, 2016.
- Prof. Laurent George, ESIEE, Paris visited at institute and signed MoU with ESIEE Paris (France) on April 12, 2016
- Three VNIT students received O.P. Jindal Scholarship (Bank Cheques of Rs. 80, 000 for each Engineering Students & Certificates) on October 2016. 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. Edasri Bai Khavala, Department of Metallurgical & Material Engineering
 2. B Sajida Sultana, Department of Civil engineering
 3. Pratik Multani, Department of Metallurgical & Material Engineering
- Ms. Karisma Loharkar, Student of Civil Engineering selected for MITACS prestigious program to work at Dalhousie University, Halifax (May 2016 to September 2016).
- Prof. Rahul V Ralegaonkar, Associate Professor, Civil Engg. Dept. received prestigious Indo-US Science and Technology Forum (IUSSTF) fellowship for Building Energy Efficiency Higher & Advanced Network (BHAVAN), University of Texas at Arlington, Texas. (1st July 2016- 31st December 2016).
- Prof Mohan V. Aware, Professor, Electrical Engineering Department awarded IETE-Biman Bihari Sen Award-2016
- Dr. Ritesh Keshri, Electrical Engineering Department awarded Best Paper Award of IEEE Transaction on Industrial Electronics-2016.

- Prof. Rajesh Gupta, Professor, Civil Engineering Department nominated as "Vice-President" of Indian Water Works Association, (IWWA), 2016.
- Institute got First prize for the Hindi magazine 'Rajbhasha Prerana' by Nagar Rajbhasha Karyanwayan samiti in 2016. Also got consolation prize for the implementation of Hindi.

21.2 DEPARTMENT WISE ACHIEVEMENTS

APPLIED MECHANICS

- Best Paper Award for paper titled "Blast Resistance Analysis of Door Panel" during IC-ETSE-2017. (Dr. M. D. Goel)

ARCHITECTURE AND PLANNING

- Dr. Vinayak S. Adane has been a Key-note speaker, at 2nd Asian University Network forum on Advances in Research (ANFAIR), AGU Japan, December 21-23, 2016
- Dr. Rajashree Kotharkar was invited as Scientific Committee Member for Fourth International Conference on Countermeasures to Urban Heat Islands (4th IC2UHI), 30th - 31st May, 2016 organized by National University of Singapore.

STUDENTS ACHIEVEMENTS

Sr. No.	Name and roll no. of Student	Year	Event	Venue	Date
1	Anurag Rathi Akshay Bhandarkar	2016	Archumen'16, ETHOS	Pune	Sept,16
2	Akshay Bhandarkar	2016	Autodesk 3D student design competition	Bangalore	15 Nov,16
3	Shhrruti Jain Vaishnav iFarkase Tejaswini Deshmukh	2016	Smart city competition	Jabalpur	20 July,16
4	Vrinda Tapadia Eesha Ithadi	2016	Landscape foundation India' 2016	Delhi	19 Oct,16
5	AnuragRathi, Abhay Agarwal, AkanshaChnadak, Shrruti Jain, TejaswiniDeshmukh	2017	Design Competition floated by, University of Westminster, UK	Jaipur	Jan 2017

CHEMISTRY

Dr. J.D. Ekhe

- The Department of Chemistry, got recommendation for Rs.1.38 crores funding from DST-FIST in year 2016 for 5 years. Claim is submitted -Grant yet to be released.
- Delivered Lecture on Gas Chromatography at M.B patel College Sakoli, Dist Bhandara on 11 March 2017
- Worked as Reviewer of International Journals ,including Green Chemistry journal of Royal Society of Chemistry with impact factor 8 for 2 times During April –Dec 2016

Dr. Anupama Kumar.

- Dr. (Mrs.) Indu Chopra, Scientist at Indian Agricultural Research Institute, New Delhi, visited Dr. Anupama Kumar for training on the computational modeling for designing Molecular Imprinted Polymers (MIPs) for Atrazine, its synthesis and characterization from 14 February to 4 March 2017.
- Jury for the technical session “Green synthesis and cleaner production” on 11th December, 2016 at The India International Science Festival (IISF) 2016, held at NPL, New Delhi during 7-11 December, 2016.
- Society of Pesticide Science India (SPS India) with its Headquarters at IARI, New Delhi organized a 3-day symposium entitled, "Agrochemicals Research and Education in India: Appraisal and Road Map for Future" from 15-17 Nov., 2016. The SPS India has invited Dr. Anupama Kumar to deliver a lecture on "Synthesis of molecularly imprinted polymers for selective extraction of toxicants" in the technical session on "Fine tuning pesticide residue research and decontamination strategies to address sustainable ecosystem" on 17th November, 2016.
- MoU signed with Jiangsu University, Zhenjiang, China during the visit of Honorable President of India along with the Academic Delegates during 26th May, 2016. Dr. Narendra S. Chaudhari, Director VNIT was one of the members of this Academic Delegation.

Dr. Sujit Kumar Ghosh

- One DST-SERB National Postdoctoral Fellow, Ms. Sneha Wankar, has joined under the supervision of Dr. Sujit Kumar Ghosh, possibly as a first case in VNIT.
- Dr. Himank Kumar, Ph.D. student of Dr. Sujit Kumar Ghosh has joined as a Post-doctoral Fellow in Dalhousie University, Canada.
- One of master project student (Mr. Soham Mukherjee, Batch: 2014-2016) of Dr. Sujit Kumar Ghosh has received an offer for his Ph.D. from University of Oxford, U.K.

Dr. Sangesh Zodape

- Project associate-I student was appointed in UGC-DAE CSR project.
- Obtained UGC DAE-CSR Project entitled Synthesis and Characterization of mixed ferrite and its applications.

Dr. Sandipan Halder

- Presentation in International conference at IIT Bombay
- Participation in a Short Term Training Program (STTP) course in VNIT.
- Technical visit at IICB Kolkata for the initiation of collaborative research.

Dr. Abheeshek Banerjee

- Presented an invited lecture at 'Molecules and Materials Technology (MMT) – 2017' organized by Department of Chemistry, NIT Kurukshetra, Kurukshetra, India

CHEMICAL ENGINEERING**Dr. Kailas L. Wasewar**

- Delivered Expert talks/ lectures:'
- Hands on Review Paper' in STTP on “Elements of Research & Hands-on Session on Selection of Research Area, Reading & Writing of Research Paper” (20-24 March 2017) Department of Chemical Engineering, NIT Raipur'
- Sustainable Development in Process Industry through Process Intensification' on 1st October 2016 in 2nd International Conference on 'Harnessing Engineering Technology and Innovation for Sustainable Growth' (HETIS-2016) 30th September – 1st October SSB University Institute of Chemical Engineering and Technology, Punjab University, Chandigarh '
- Insight of CFD Modeling' on 27th June in Short Term Training Program on MODELING USING CFD & MATLAB, 27th June – 1st July 2016, Department of Chemical Engineering, National Institute of Technology (NIT), Raipur C.G.'
- Industrial Perspective of Reactive Separations for Process Intensification' on 24th June 2016 in Two Week ISTE Short Term Training Program on Advances in Biotechnology & Biochemical Engineering 20 – 30 June 2016 Department of Chemical Engineering, Ujjain Engineering College, Ujjain '
- Mass Transfer with Chemical Reaction' on 25th June in Short Term Training Program on Computational Modeling with COMSOL Multi-Physics 21-25 May 2016 Department of Chemical Engineering, VNIT Nagpur '
- Basics of Chemical Reaction Engineering' on 24th June in Short Term Training Program on Computational Modeling with COMSOL Multi-Physics 21-25 May 2016 Department of Chemical Engineering, VNIT Nagpur '
- How to Write Thesis and Review Paper' on 5th April 2016, Dept. of Chemical Eng., PIET Nagpur.
- **Member of Board of Studies:**
- Department of Chemical Engineering, Ujjain College of Engineering, Ujjain
- Department of Chemical Engineering, MITS Gwalior
- Department of Chemical Engineering, IET, IPS Indore
- Department of Chemical Engineering, Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded Maharashtra
- Expert/Jurry Member in CG Young Congress, Bhilai CG Swami Vivekanad Technical University, Bhilai on 28th February 2017
- **Ph.D. Examiner at:**
- Sambhalpur University, ICT, NMU,
- Jalgaon, SGB Amravati University
- **M.Tech. 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

Dr. Sachin Mandavgane

- Convener of Young Scientists' Conclave at India International Science Festival, NPL Delhi
- A new semester long course on “Sustainable Engineering” was started

Dr. A. S. Chaurasia

- *Convenor of National Conference on Inter and Intra-disciplinary Blend of Chemical Engineering (CHEMIX 2017), VNIT, Nagpur, India, March 25-26, 2017.*
- Expert/Jury Member for Evaluation Research Paper “32nd M. P. Young Scientist Congress” Bhopal, India, March 10-11, 2017.
- Expert/Jury Member at India International Science Festival (IISF) 2016 organised by the Ministry of Science and Technology (DST, DBT and DSIR/CSIR) and Ministry of Earth Sciences in collaboration with Vijnana Bharati (VIBHA) from 8th to 11th of December, 2016 at CSIR-NPL, Delhi.
- Ph.D. Examiner for evaluation and viva voce of thesis entitled 'Design and Development of Multi-Effect Membrane Distillation Process for Waste Water Treatment' at Sant Gadge Baba Amravati University, Amravati, India, February 11, 2017.
- Centre Superintendent for Pragya Examination conducted at Department of Chemical Engineering, VNIT, Nagpur, India, November 13, 2016
- Delivered full one day Expert Lecture on “Comsol Multiphysics” organized by Chemical Engineering Department, Priyadarshini Institute of Engineering and Technology, Nagpur, India, October 22, 2016.
- Delivered Expert Lecture on “Computation with Comsol Multiphysics” organized by Chemical Engineering Department, Priyadarshini Institute of Engineering and Technology, Nagpur, India, September 17, 2016.
- Organized self sponsored short term training program on “Computational Modeling with Comsol Multiphysics” organized by Chemical Engineering Department, Visvesvaraya National Institute of Technology, Nagpur, India, May 21 – 25, 2016.
- Expert of AICTE Expert Committee Visit for “Christian College of Engineering, Durg, Bhilai, India, April 27, 2016.

Dr. R. P. Vijayakumar

- Received 7th National Award for Technology Innovation in Polymer Waste Management & Recycling Technology (Institute category) for the research work entitled "Production of liquid hydrocarbons, carbon nanotubes and hydrogen rich gases in a multi-core reactor".

Dr. Pradip B. Dhamole

- Recipient of 'Sir Ganga Ram Memorial Prize-2016' for subject prize from 'The Institution of Engineers India' conferred at the 31st Indian Engineering Congress held at Kolkata.

Dr. Ashwin Gaikwad

- Early Career Research Award from SERB-DST in the year 2016.

Dr. Ajit P. Rathod

- Judge for Paper presentation 24th March 2017 “CHEMIX-17” a National Conference on inter-disciplinary areas of chemical engineering, Department of Chemical Engineering, VNIT, Nagpur
- Delivered Expert talks: 'Membrane Technology and Transport Phenomenon' on 9th September 2017 Department of Chemical Engineering, K.K. Wagh Institute of Engineering Education and Research, Nashik
- Was M Tech Examiner at: Department of Chemical Engineering, LIT, Nagpur.

Dr. Diwakar Z. Shende

- Member of Board of Studies “ Utilization of Fly-ash: Cenosphere and its specific applications” at the National Workshop on Waste Valorization: New Horizons for sustainable Society (October 21-22, 2016) Department of Chemical Engineering, IET, IPS Indore.
- Delivered Expert talks/ lectures on How to read a research paper and selection of specific area for research “at the self sponsored STTP on How to write a research paper? on February 22-26, 2017 at Department of Chemical Engg., VNIT Nagpur
- Chemical Engineering, Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal
- Dr. Diwakar Z. Shende was M.Tech. Examiner at Department of Chemical Engineering LIT Nagpur. was the Expert Panel Member in academic review meeting at Department of Chemical Engineering, IET, IPS Indore on October 22, 2016

CIVIL ENGINEERING

- Dr. V.A. Mhaisalkar nominated by CSIR, New Delhi as Member of the Research Council (RC) of CSIR-NEERI to advice in planning and monitoring R&D activities of the CSIR-NEERI, Nagpur.
- Dr. V.A. Mhaisalkar nominated as Member of The Second State Expert Appraisal Committee (SEAC) for construction projects in Mumbai Metropolitan Region, Maharashtra by the Ministry of Environment, Forests & Climate Change, Government of India vide Gazette Notification dated 17th March 2017.
- Dr. Rajesh Gupta installed as President of Indian Water Works Association on 19th January 2017.
- Dr. Rajesh Gupta and Dr. Shilpa Dongre received I. H. Kanchraddy Best Paper Prize for Paper published in IWWA Journal.
- Dr. Rajesh Gupta awarded First Prize for the paper presented in national conference of ISH at SVNIT, Surat.
- Dr. Rajesh Gupta and Vishnu Sudan received Hindustan Dorr-Oliver First Prize for Best Paper in Annual Convention of IWWA at VNIT Nagpur.
- Dr. Rajesh Gupta, Siddhant Dash and Ritesh Vijay received Hindustan Dorr-Oliver Second Prize for Best Paper in Annual Convention of IWWA at VNIT Nagpur.
- Dr. Y.B. Katpatal nominated by Maharashtra Academy of Sciences as Honorary Fellow in December 2016 for outstanding achievements in Earth Sciences.
- The paper published by Dr. Y.B. Katpatal (An innovative artificial recharge system to enhance groundwater storage in basaltic terrain: example from Maharashtra, India, Hydrogeol J Vol. 24 No 5 (2016) 24:1273–1286) has been selected as Editors' Choice articles picked by the Hydrogeology Journal (HJ) Editors. Selections are made for on several good reasons including: outstanding science, innovative approach, potentially important conclusions, interesting field area or phenomenon, unusual topic, political/social/historical or philosophical interest (Springer has offered to make this article freely available to all readers for a limited period. This means that the full article has been granted free access worldwide, from around mid-January 2017 for approximately 2 months).
- Dr. R.V. Ralegaonkar awarded Indo-US DST-BHAVAN Fellowship (July 2016- December 2016) & worked at University of Texas, Arlington, USA.
- Dr. Anjan Patel nominated by the Indian Geotechnical Society (IGS) to attend the 6th International Young Geotechnical Engineers' Conference to be held at Seoul National University, Seoul, Republic of Korea during 16-17 September 2017.

COMPUTER SCIENCE AND ENGINEERING

- Dr. P.A. Sharma , Selected for the “Young Faculty Research Fellowship” Cost of Project : Rs. 37,00000 /-
- Dr. Praveen Kumar , Coordinator of the Research Project “Big Video Data Analytics for Surveillance and Security of Bank ATMs in a Smart City” Cost of Project : Rs. 27,43,810 /-

ELECTRICAL AND ELECTRONICS ENGINEERING

H. M. Suryawanshi

- Selected for Chair Professorship of Indian National Academy of Engineering (INAE) for the period from 15th April 2017 to 14th April 2019
- Special Session Organiser in Industrial Society conference (IECON 2016) at Florence Italy on “Emerging Applications of Resonant Power Converters” 2016
- Special Session Organiser in IEEE 11th International Conference on Compatibility, Power Electronics and Power Engineering (IEEE CPE-POWERENG 2017), Cadiz, Spain Multilevel Inverters: Topologies, Modulation and Control Strategies, and their Applications
- Guest Editor of Special Section for IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Z-Source Converters: Topologies, Modulation Techniques, and Applications.

M.V.Aware

- IETE 2016-BIMAN BIHARI SEN AWARD” for Emerging Area of Electronics-FOPID for industrial Application, IETE, Delhi, 2016.
- Expert on AICTE EVC committee Kolkata, Cochin, Hyderabad, Institute Evaluation, 2016-17
- Jury for MP state young scientist, Bhopal, Research Project proposal evaluation, 2017
- Chaired Technical Session in IEEE Conference PEDES 2016, Trivandrum India

Dr. M. S. Ballal and Dr. B. S. Umre

- Ph D student Prasad Venikar has got PPSA award. It is jointly organized by POSOCO and IIT DELHI.
- Doctoral Awardees- PPSA-2017
- Power System Operation Corporation Limited (POSOCO) awarded project “Diagnosis of Incipient Fault Development in Transformer by Condition Monitoring” (Amount of Rs 60,000/-)

P. S. Kulkarni

Three UG Students from VNIT received OPJEMS Scholarship. Coordinator : P. S. Kulkarni

M.M.Lokhande

- Science and Engineering Research Board (SERB), Government of India awarded Early Carrier Research Award project Title, “Design and Development of an Experimental Test Bench Setup of Electric Vehicle”
- Designed a course website for the two B.Tech courses; signals & systems and Renewable energy systems, <https://sanketan.wikispaces.com/https://newurja.wikispaces.com/>
- Course information is available on the website. Some course materials which in the form of pictures, presentation slides and vedios are made available on this websites. Also it is used to upload the assignments, weekly tutorial sheets, solutions of exam papers after the examination. Also, students can give their weekly feedback, which help me in improving the delivery of the course.

ELECTRONICS AND COMMUNICATION ENGINEERING

- Dr. Prabhat Kumar Sharma, Dr. V R Satpute, Dr. Saugata Sinha:-Obtained “Sir Visvesvaraya Young Faculty Research Fellowship” in the Academic year 2016-17.
- Dr. Prabhat Kumar Sharma:- “Early Career Research Award” July 2016.
- Dr. Sudhir Kumar:-Invited Tutorials on Sensor based Positioning at TEQIP-II Sponsored, Short Term Course on, Role of Mathematics in Engineering, VNIT Nagpur, Sep 2016
- Dr. Sudhir Kumar :-Science and Engineering Research Board (SERB) Indo-US Postdoctoral Fellowship 2016
- Dr. Ashwin Kothari :- a. Associate Dean of IIIT Nagpur. b. Six patents filed for various projects perceived under COE c. Review meeting by NPIU MHRD VNIT, COE was adjudged as one of the best performing COE.

VLSI AND NANOTECHNOLOGY

- Best Paper Award to PhD scholar
Title of paper: Real Time Droplet Velocity Measurement using open source Computer Vision for EWOD Device.
Conference: Eighth ISSS National Conference on MEMS, Smart Materials, Structures and Systems
Dates: 28th-30th September 2016,
Venue: IIT Kanpur
Authors: Vandana Jain, Rajendra M. Patrikar
- Selected as Resource Center for Special Manpower Development Program by MEITY, for the Chip-to-System Design Project. Other associated institutions are, MNIT Jaipur, NIT Raipur, NIT Jamshedpur, IIIT Jabalpur.

HUMANITIES AND SOCIAL SCIENCES

- Patil Hemangi, Dr. Ghosal, M., paper entitled, Hypocrisy of Marriage'- In the Novels of Anita Desai, published in the Thomson Reuters indexed “International Journal of Humanities and Social Sciences (IJHSS) - Volume -5, Issue- 4, Jun- July- 2016; ISSN (Online): 2319-3948; ISSN (Print): 2316-393 X; Impact factor (JCC) – 2015: 3.1936; Index Copernicus Value (ICV) – 2015: 3.0; NAAS Rating: 3.19 (*Awarded as Best Paper Award*).
- Umesh Guramwar, Dr. M. Ghosal, Reading Cultural Traits in Manju Kapur's Novel, Immigrant, received Best Paper Award from International Academy of Science, Engineering and Technology in March 2017. ; ISSN (Online): 2319-3964; ISSN (Print): 2319-3956 Impact factor (JCC) – 2015: 3.8727; Index Copernicus Value (ICV) – 2015: 30.92; NAAS Rating: 2.67
- D. Murthy, Madhavilatha, Dr. M. Ghosal, A Study of Rhetorical Approach to Effective Communication to Resolve Conflicts at Industries, has accepted for the presentation in 14th International Conference on Linguistics and Language Research (ICLLR) to be held at Nanyang Technological University, Nanyang Executive Centre, Singapore on June 15-16, 2017.

MATHEMATICS

Prof. G.P. Singh

- Elected as council member of Indian Mathematical Society for three years (2017-2020).
- Nominated as member of Board of studies for first year engineering at SRKNEC, Nagpur, GHREC, Nagpur and GHRIET, Pune for two years (2016-2018).
- Citation index in Google scholar is more than 1200.

- Delivered a expert lecture entitled 'Development of Mathematics' at Sardar Patel P G College Chandrapur, on 17th September, 2016.
- Delivered a invited talk entitled 'Historical Development of Mathematics & Its Applications' at GH Raisonni Institute of Engineering and Technology, Nagpur on 27th September, 2016 .
- Delivered a invited talk entitled '100 years of general relativity and its role in cosmology' in 82nd Annual Conference of Indian Mathematical Society held at Kalyani University, Kalyani (WB) during December 27-30, 2016.
- Delivered a Key note invited talk entitled 'Relativistic cosmological models and role of gravitational energy in evolution of the universe' in the National conference on mathematical sciences for development of science and technology on 26th February, 2017.

P. Pramod Chakravarthy

- Reviewer for Journal of Computational and Applied Mathematics, International Journal of Numerical methods in fluids, Journal of Applied Mathematics and Informatics, Non linear Analysis: Modeling & Control.
- Associate Dean (Student Activities and Sport) from May 2016 onwards.

Pallavi Mahale

- Member of VNIT Committee of MHRD Rashtriya Avishkar Abhiyan. Under this Abhiyaan, organized the following activities as a part of organizing Committee
 - a) Pradya Shodh competition for School Children.
 - b) Workshop on National Science day for school teachers.

Rajendra Pant

- Selected as an Editor for the a proceeding/book “Recent Advances in fixed point theory and applications” to be published by Nova Science Publisher USA.

Dr. M. Devakar

- Chairman, M.Sc. Admissions – 2017 at VNIT Nagpur
- Co-Chairperson, M.Sc Admissions – 2016 at VNIT Nagpur
- Faculty in-Charge, The annual technical festival of VNIT, AXIS-2016.
- Member, Vigilance cum Disciplinary Action Committee for the Academic Year 2016-17.
- Member, Committee for Review of contents of the new VNIT webpage, 2016.

MECHANICAL ENGINEERING

Dr. A. M. Kuthe

- Delivered guest lecture on Rapid Prototyping at G H Raisonni Academy of Engineering & Technology on 26-09-2016.
- Delivered expert lecture on Sustainable Materials and its engineering applications at College of engineering and technology, Akola on 27-04-2016
- Delivered keynote lecture on Rapid Prototyping at Dr Bhausaheb Nandurkar College of Engineering and Technology, Yavatmal on 28-03-2016

Dr. P. M. Padole

- Delivered expert lecture on Collaboration and Team Work: Engineering Applications in Inter-Disciplinary Fields at VNIT, Nagpur on 11-08-2016
- Delivered expert lecture on Application of FEM in biomedical at VNIT on 01-09-2016

Dr. S. B. Thombre

- Delivered expert lecture on Introduction to fuel cell systems in A STTP on Advancement in Renewable Energy sources and Storage devices, Dept of Electrical Engg, VNIT Nagpur on 31-01-2017

Dr. Y. M. Puri

- Delivered expert lecture on CAM TOOLS at Priyadarshini College of Engineering, Nagpur on 02-02-2017

Dr. V. R. Kalamkar

- Delivered expert lecture on Computational fluid dynamics and its applications at SSGMCE, Shegaon, Maharashtra on 11-08-2016
- Delivered invited lecture on Computational fluid dynamics at Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune, India
- Delivered expert lecture on Introduction to CFD and CFX solver at S.S.G.M. College of engineering, Shegaon on 11th August 2016.
- Delivered expert lecture in Five Day State Level Workshop on CFD at D.Y. Patil COE, Pune during 6-10 December 2016.
- Delivered expert lecture in STTP on CFD at Government College of Engineering, Jalgaon on 27th January 2017.

Dr. R.V. Uddanwadiker

- Delivered expert lecture on Energy efficiency in motors and compressor at MSME, Seminary Hills, Nagpur 17-02-2017
- Delivered expert lecture on Osteotomy forceps at MEDIC event at VNIT, Nagpur 23-09-2016
- Delivered guest lecture on Energy Efficient Technologies at MSME, Seminary Hills, Nagpur on 17-02-2017
- Delivered guest lecture on Balancing of Rotating and reciprocating masses at Nagpur Institute of Technology, Nagpur on 09-02-2017
- Delivered expert lecture on Surgical Forcep for rhinoplasty at VNIT, Nagpur on 22-09-2016
- Delivered expert lecture on Quest for Best at VNIT, Nagpur 12-08-2016
- Delivered expert lecture on Energy Conservation Opportunities at MSME Seminary Hills on 25-08-2016
- Delivered guest lecture on FEM and its application at VNIT, Nagpur on 16-06-2016

Dr. Sheetal S. Chiddarwar

- Delivered guest lecture on Velocity and Acceleration analysis of an industrial robot at Ramdeobaba College of Engineering and Management, Nagpur on 22-04-2016
- Delivered guest lecture on DH algorithm and forward kinematics of a fixed base robot at Anjuman college of Engineering and Technology, Nagpur on 29-04-2016
- Delivered guest lecture on Tool for innovative design (Summer Design School) at VNIT Nagpur on 17-05-2016
- Delivered guest lecture on Machine vision: application for manufacturing (MAM-2016) at VNIT Nagpur on 01-07-2016
- Delivered guest lecture on Robotics @ VNIT : Gen-Next (Quest for Best) at VNIT Nagpur on 12-08-2016
- Delivered invited lecture on Robotics for Manufacturing at National Institute of Foundry and Forge Technology Ranchi on 17-03-2017

Dr. M.S. Kotambkar

- Delivered expert lecture on Finite Element Method: Research & Industrial Applications at VNIT, Nagpur on 01-06-2016
- Delivered guest lecture on Introduction to Structural Analysis Using Ansys at KDK College of Engineering, Nagpur on 24-02-2017
- Delivered guest lecture on Introduction to Free and Forced Vibration of SDF at Nagpur Institute of Engineering And Research, Nagpur on 16-03-2017
- Delivered expert lecture on Structural Analysis Using Ansys at Gurunanak College of Engineering, Nagpur on 29-12-2016

Mr. D.A. Jolhe

- Delivered guest lecture on Importance of graphical communication in engineering at Government College of Engineering Nagpur on 03-03-2017

Dr. N. K. Lautre

- Delivered expert lecture on COMSOL perspective at VNIT Nagpur on 17-06-2016
- Delivered expert lecture on Emerging Microwave Technology at VNIT Nagpur on 29-06-2016
- Delivered invited lecture on Gyroscope engineering research at Government Engineering College, Bikaner, Rajasthan on 13-10-2016
- Delivered invited lecture on Acceptance sampling research at Government Engineering College, Bikaner, Rajasthan on 14-10-2016
- Delivered keynote lecture on Microwave Research in Engineering at K.K. Wagh Polytechnic, Nashik on 04-02-2017
- Delivered expert lecture on Microwave drilling: An emerging engineering at Malanad College of Engineering, Hassan on 18-03-2017

Dr. A. K. Singh

- Delivered invited lecture on Rate and State Friction at IISc, Bangalore on 10-02-2017

Dr. T.V.K. Gupta

- Delivered keynote lecture on Make in India- Challenges and opportunities for Aluminium Alloys at JNARDDC, Nagpur on 29-04-2016
- Delivered invited lecture on Milling of Inconel 718 Alloy-A research perspective at MLRIT, Hyderabad on 09-07-2016
- Delivered expert lecture on Milling of Inconel 718 by Unconventional Machining Process at VNIT Nagpur on 27-06-2016
- Delivered invited lecture on Repair Technologies for IAF at 3 BRD, Chandigarh, IAF on 01-08-2016
- Delivered invited lecture on Repair Technologies for Missile and Radar Systems, IAF at 7 BRD, IAF Delhi on 17-08-2016

Dr. Trushar B. Gohil

- Delivered expert lecture in TEQIP II Sponsored STTP on Recent advances in thermal-fluid science and engineering at NIT Durgapur on 29-09-2016

Dr. Ravikumar Dumpala

- Delivered expert lecture on Research Methodology (FEMRIA-2016) at VNIT Nagpur on 16-06-2016
- Delivered expert lecture on Composite CVD Diamond Coatings for Machining Al_m-SiC_p MMC (MAM-2016) at VNIT Nagpur on 29-06-2016
- Delivered expert lecture on Nanocrystalline CVD Diamond Coatings for High Performance Mechanical Applications (Chemical Department) at VNIT Nagpur on 09-07-2016
- Delivered expert lecture on Coatings for the Machining of Advanced Materials: A Case Study at JNTU Kakinada (A.P.) on 30-09-2016
- Delivered guest lecture on Introduction to PVD and CVD processes - Case study: CVD Diamond at RGUKT Nuzvid (IIT A.P.) on 09-04-2016
- Delivered expert lecture on Coatings for the Machining of Advanced Materials: CVD Diamond at GNIT Nagpur on 28-12-2016
- Delivered expert lecture on Session on Literature Survey and Reference Manager - EndNote (Phd Scholars) at VNIT Nagpur on 06-08-2016
- Delivered expert lecture on Session on Improving Your Technical Presentation Skills (PhD Scholars) at VNIT Nagpur on 10-09-2016
- Delivered expert lecture on How to read a paper? (SRP-2016) at VNIT Nagpur on 23-05-2016.

Dr. Gaurav Tiwari

- Delivered expert lecture on CRASHWORTHINESS at VNIT, Nagpur on 17-06-2016.

METALLURGICAL AND MATERIALS ENGINEERING

- NBA–UG/PG - Five years of accreditation by NBA
- Department is awarded an Aluminum chair professor by ministry of mines in collaboration with JNRDDC.
- Golden Jubilee Year celebration of the Department.
- DrAjeetSrivastav received a project under Early Career Research Award: SERB-DST (Sep/2016)
- Dr. Ajeet K. Srivastav was awarded INAE Fellowship under the mentorship programme of faculties by INAE Fellows (May/2016)
- Best Paper Award: Ritesh Kumar, Praveen, Azmeera Maibu, Vikram Hastak, Saurabh Kumar Rai, D.R. Peshwe and Ajeet K. Srivastav, “TiO₂ nanoparticles for photocatalytic applications”, CHEMIX'17, Visvesvaraya National Institute of Technology, Nagpur, March, 2017.
- Best Oral Presentation Award: K.S.N. SatishIdury, K. Guruvidyathri, Kaivalya Deo, B.S. Murty and Jatin Bhatt “On high entropy bulk metallic glass formation in Zr-Ti-Cu-Ni-Al system based on binary eutectic cluster model and CALPHAD”, 54th National Metallurgists day & 70th Annual Technical meeting (NMD ATM 2016), Indian Institute of Technology Kanpur, Kanpur, India, Nov 2016.

MINING ENGINEERING**Dr. R R Yerpude**

- Visit to University Colorado School of Mines (USA): The visit was paid to Colorado School of Mines during the stay at Denver. In Mining Engineering, various labs are visited including Tunneling and earth mechanics Centre Discussions were held with Faculty Prof. Kadri of Mining Engg.

- Visit to Illinois Institute of Technology (IITC), Chicago: The visit of IITC, Chicago was undertaken while returning. The School of Civil and Environmental Engineering and Computer Science were visited. Discussions were held with Dean, Prof. R. Russell Belts and had a discussion regarding academic collaboration with VNIT.
- Dr.R.R. Yerpude is working as an expert member in Board of Studies & Faculty, Mining Engg. of RTM Nagpur University and Gondwana University, Chandrapur
- Working as a Dean(P&D), VNIT, Nagpur and Advisor of IIIT, Nagpur

Dr. N R Thote

- Professor N. R. Thote visited Mineral Resource Engineering Centre, Aachen RWTH University, Aachen, Germany. During his visit, bilateral discussions were held with Director of MRE Professor Bernd Roser Mosser regarding possibilities of academic link.
- Professor N. R. Thote and Professor N. S. Choudhari, Director VNIT were invited on World forum of Universities of Resources on Sustainability to be held at Mining University Saint Petersburg, Russia during 28 Sept. to 2nd Oct. 2016. This forum was organized under the auspices of UNESCO and more than 60 countries have participated in the event. The proposal of setting up a new "International Competency Centre for Mining" discussed and VNIT is also invited as member on International Council for this centre. Discussions were also held with China, Germany, Russia & Brazil University representatives whereas MISIS National Institute of Science and Technology, Moscow responded for MOU with VNIT which is presently ongoing.
- Department of Mining Engineering has started UG program way back in 1982 in VNIT in view of increasing demand of mining engineers in the country. But due to provision in Mines Act, female candidates were not allowed to work in mine particularly female mining engineer. As a result, girls were not allowed to take admission in graduate courses of mining engineering in India. Chandrani Prasad Verma is the first female mining diploma holder as well as Mining graduate in India and later on done M. Tech also from Mining Department of VNIT. Now She has been awarded Ph. D. in Convocation 2016 from Mining Engineering discipline under supervision of Dr. N. R. Thote. Mining department feels proud of the record and breakthrough by her and his supervisor under gender restrictive discipline of mining perhaps in India.
- Dr. N. Thote was Member, Organizing Committee of Int. Conference RARE2017(16-18 Nov. 2016) held at Bangalore and session Chairman during the conference as well as Session chairman for the prestigious Int. conference NxGnMiFu2017 held at Vigyan Bhavan, New Delhi (15-17 Feb. 2017).

Dr. I L Muthreja

- Dr I L Muthreja presented a paper entitled "Feasibility Study of Overburden Material for Hydraulic Stowing in Mines" in Mining With Backfill, organised by Society of Mining, Metallurgy and Exploration, Colorado, USA, 19-22 February 2017
- Dr I L Muthreja and Dr R R Yerpude visited Dept. of Mining Engineering, Colorado School of Mines, Colorado, USA, a premier Mining Institute worldwide, during the stay at Denver. In Mining Engineering, various labs were visited. Tunneling and Earth mechanics Centre was very interesting. During the visit, the discussions were held with Faculty Prof. Kadri of Mining. The visit was also undertaken to different facilities of Colorado school of mines. Discussions were held for establishing academic collaboration.
- Dr I L Muthreja is a Nominating Member of Prestigious Infosys Award 2016. Dr Muthreja is member for the last eight years.

Dr. S. S. Gupte

- Delivered an expert lecture on "Elements of Slope Stability "organized by Mining Engineering Department VNIT Nagpur from 21-22 Jan 2017

Dr. A K Agarwal

- Elected as convener of Mining Engg. Division for Institution of Engineer's, Maharashtra State Centre for the session 2016–17 & 2017-18.
- Delivered an expert lecture on "Slope Stability Fundamentals" organized by Mining Engineering Department VNIT Nagpur from 21-22 Jan 2017.
- Delivered an expert lecture on "Logical Reasoning and Data Interpretation for Competitive Exams" on 5th July 2016 at RCOEM, Nagpur.

PHYSICS

Name Of Student	Ph D Supervisor	Achievement
Mr Bidhan Pandit	Dr B. R. Sankapal	Scientific Reports-Nature Journal Publication-srep43430
A P Raut	Prof V. K. Deshpande	First Prize, ICARBM-2017
Ms G Swapna Mary	Dr G. Hemachandra	SJC Poster presentation Award

Dr. V. K. Deshpande

- Delivered an invited talk on “Development of lead titanate based glass ceramic for high temperature transducer applications” in the XIX National Seminar on Ferroelectrics and Dielectrics held at M. A. N. I. T., Bhopal during 19th - 21st Dec. 2016
- Delivered an invited talk on “Lithium conducting glassy solid electrolytes for solid state battery” in the International Conference on Advanced Rechargeable Batteries and Allied Materials (ICARBM-2017) organized by C-MET Pune during 8th – 10th March 2017.

Dr. Poorva Singh

- Delivered a lecture on 'Density Functional Theory : Basic Idea' in Department of Physics, Nagpur university on 20 August 2016.
- Delivered a lecture on 'Introduction to DensityFunctional Theory and VASP' in 'Instruction Enhancement Program' under Ministry of Electronics and Information Technology organized by Centre for VLSI and Nanotechnology, VNIT Nagpur, 9th Dec 2016
- Delivered a lecture on 'The Mystery of Quantum Mechanics' in 'Tankhiwale Memorial Lecture series' in Department of Physics, Nagpur university on 22nd Feb 2017.

Mrs. Vijaya S. Deshmukh

- Received appreciation award in the Medical Device Innovation Conclave MEDIC 2016 Organized in collabrations with BETiC VNIT, COE Pune & IIT Bombay at VNIT, Nagpur

M.Sc. (Physics) students have qualified examinations as follows:

Batch 2014-16

Examination	Name of the student	AIR
JEST	1. Tusharadri Mohapatra	AIR 351
	2. Sanghmitra Gautam	AIR 418
	3. Pratibha Dwivedi	AIR 533
	4. Omeshwari Bisen	AIR 438
JRF	1. Sanghmitra Gautam	AIR-222
	2. Pushpendra Gupta	AIR-110
GATE	1. Shallu Rani	AIR 171
	2. Pratibha Dwivedi	AIR 519
	3. Tusharadri Mohapatra	AIR 1202
	4. Pushpendra Gupta	AIR 1323

Batch 2015 -17

Examination	Name of the student	AIR
GATE	Shirish Raj	AIR 1385



Audit Report 2016-17



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

C-25, AUDIT BHAVAN, BEHIND INCOME TAX BLDG,
BANDRA(E), KURLA COMPLEX, MUMBAI 400 051.
Telephone: (022) 2657 2951 (Direct)
EPABX : 2657 1750/41/42/36 ; FAX: 657 2951 / 657 2451

No. DGA(C)/C&AB/SAR/2016-17/VNIT Nagpur/ — 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 2016-17.**

Sir,

Please find enclosed the Separate Audit Report on the accounts of, **Visvesvaraya National Institute of Technology, Nagpur**, for the year ended 31 March 2017 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.

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.

Please acknowledge the receipt.

Yours faithfully,

Encl: As above

Sd/-

Dy. Director of Audit/C&AB

✓ **No. DGA(C)/C&AB/SAR/2016-17/VNIT Nagpur/ 1418 Date: 20/12/17**

Copy along with the Annual Accounts for the year ended 31 March 2017 together with Audit Certificate in English is forwarded to **The Director, Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur- 440 010** 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 of Audit/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 2017.

We have audited the attached Balance Sheet of the Visvesvaraya National Institute of Technology, Nagpur ('the Institute') as at 31st March 2017, 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 29-4/2012-IFD dated 17 April 2015, however the required schedules and sub schedules detailing the

consolidated figures has not been appended to the Annual Accounts and thereby the Institute has not strictly adhered to the new format as commented in Para.B.2.

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 Liabilities.

A.1.1 Current Liabilities and Provisions

(Schedule 3) Rs. 91.22 crore.

Current Liabilities & Provisions - Accounts payable & Other Liabilities (Rs. 6.42 Crore) include Unclassified Deposits of Rs.57.75 lakh, which have not been reconciled /rectified and no detail regarding the same has been furnished by the Institute. Current Liabilities are thus overstated by Rs.57.75 lakh with corresponding overstatement of current assets.

B. General Comments

1. The Institute has created a Separate Fund viz., Institute Corpus Fund (ICF) under 'Schedule – 2 Earmarked Fund during the year. The Institute has brought in reinstated Income & Expenditure Account and Balance Sheet for the year 2015-16 and transferred Rs.165.54 crore from Corpus Fund to Earmarked Funds - Institute Corpus fund.

The Institute has transferred Rs.167.80 lakh (Testing & Consultancy Fees) from Corpus to ICF. The interest of Rs.2831.09 lakh earned on the Corpus Fund in the earlier years is however reflected under Schedule 1B - General Fund.

Surplus of Income & Expenditure Account too has been transferred to ICF. Receipts in respect of Water charges Rs.10.20 lakh, Electricity charges Rs.12.14 lakh and Convocation Fees Rs.5.96 lakh has been netted with respective expenditure under the same Heads, which is irregular. Actual receipts and expenditure is required to be reflected in the Accounts in order to have transparency in Accounts.

During the year the Institute transferred Rs. 53.26 Crore, being surplus from the Income & Expenditure Account (Rs.39.54 crore), interest income (Rs.13.05 crore), income from CCMT/CSAB Rs.0.57 crore, Retention fees Rs.0.07 crore and HBA recovery Rs.0.03 crore.

The Institute has however, not disclosed the necessity and purpose for creating Institute Corpus Fund in Notes to Account.

2. The Institute has not strictly adhered to the Revised Format of Accounts which is detailed below:

(i) The Schedules and Sub-Schedules of the Financial Statements (wherever prepared) are not drawn up as per the prescribed format of accounts.

(ii) Schedule 1 (Corpus/Capital Fund) has not been drawn in the prescribed format. A part of Corpus Fund has been shifted to Schedule 2 Designated/ Earmarked Funds as Institute Corpus Fund. Schedule 2 (Designated/ Earmarked/ Endowment Funds) has not been drawn up in the prescribed format. The Institute has not drawn up Schedule 2A (Endowment Funds) in the prescribed format.

(iii) Schedule 3(a) depicts Grants/ Other Funds instead of sponsored projects.

(iv) No Schedule 3(b) depicting Sponsored Fellowships & Scholarships and Schedule 3(C) representing un-utilised grants has been prepared.

(v) The Institute has not prepared Sub-Schedule 4(A), Fixed Assets- Plan grant, 4(B), Non Plan grant- 4(c), Intangible assets, 4(c)(i)- Patents & Copy rights, 4(D): Others.

(vi) The Institutes has not prepared Schedule 5(A): Investments from Earmarked/Endowment fund (Fund wise).

(vii) The Institute has not appended Annexure A to Schedule- 7 which depicts the details of Current Accounts, Savings Bank Account and Term Deposits which is mandatory as per revised format of Accounts.

3. The “Designated Earmarked Funds” (Schedule 2) include Rs. 117.23 lakh (R&D Fund), Rs.10.63 lakh (Student Aid Fund), Rs.9.74 lakh (Hostel Welfare Fund) and Rs.26.92 lakh (Staff welfare Fund). However the Investment Schedule-5 does not reflect corresponding investments.

Further, the Institute is required to prepare Schedule 11 (Income from Investments) depicting Interest earned on Earmarked/ Endowment Funds and Other Investments distinctly and the sum of the same is to be transferred to Schedule 2 (Earmarked Funds). The Institute has not prepared Schedule 11 and therefore interest earned on each of the Earmarked/ endowment funds could not be verified in audit.

4. As per Accounting Standard 15 of ICAI and Revised Format of Accounts for Central Higher Educational Institutions (CHEIs), provision for liability payable towards retirement benefits viz. Pension, Gratuity and leave encashment needs to be made on actuarial basis and provided up to year end. The Institute has not made any provision for

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 2017; and
- (b) In so far as 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,**


Director General of Audit(C), Mumbai

Place: Mumbai

Date: 20/12/2017

ANNEXURE

1.	Adequacy of Internal Audit System The Institute has an Internal Audit Cell, however internal audit of only five out of eleven Sections were carried out during the financial year.
2	Adequacy of Internal Control System The internal control system is inadequate and needs to be strengthened. The internal control system reflected following deficiencies: (i) The Institute has not strictly adhered to the Revised Format of Financial Statements for CHEI and several important prescribed sub- schedules were not prepared by the Institute. (ii) The Institute has revised the previous year's figures, however the details of the same has not been disclosed in the Notes to Accounts in the absence of which it was cumbersome to ensure the correctness of figures reflected in the Annual Accounts.
3	Physical verification of Assets Physical verification of assets has been conducted by the Institute for the year 2016-17, however no physical verification of Library Books has been conducted since 2012-13.
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. The Institute is regular in payment of statutory dues.


Director General of Audit (C)



**VISVESVARAYA
NATIONAL INSTITUTE OF TECHNOLOGY
NAGPUR**

**STATEMENT OF ACCOUNTS
FOR THE FINANCIAL YEAR
2016-2017**

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
BALANCE SHEET FOR THE YEAR ENDED ON 31-03-2017

Amount in ₹

	Schedule	As at 31-03-2017	Reinstated 31-03-16
<u>FUNDS & LIABILITIES</u>			
CORPUS/CAPITAL FUND	1	400,63,73,126.00	218,10,13,596.00
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	243,33,48,990.00	190,08,02,498.00
CURRENT LIABILITIES AND PROVISIONS	3	95,67,14,876.00	78,50,29,582.00
TOTAL		739,64,36,992.00	486,68,45,676.00
<u>ASSETS</u>			
FIXED ASSETS	4		
Tangible Assets		139,46,04,134.00	139,22,42,448.00
Intangible Assets		1,17,81,184.00	77,71,422.00
Capital Work-in-Progress		231,68,78,378.00	49,78,90,296.00
INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS	5		
Long Term		-	-
Short Term		211,05,79,816.00	190,44,00,003.00
INVESTMENTS- OTHERS	6	-	-
CURRENT ASSETS	7	34,06,74,085.00	32,94,63,027.00
LOANS, ADVANCES & DEPOSITS	8	122,19,19,395.00	73,50,78,480.00
TOTAL		739,64,36,992.00	486,68,45,676.00


AR (FA)


DR (FA)


Registrar


Dean (PD)


Director

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31-03-2017

Particulars	Schedule	Amount in ₹	
		As at 31-03-2017	Reinstated 31-03-16
<u>INCOME</u>			
Academic Receipts	9	27,49,79,108.00	30,56,44,673.00
Grants & Subsidies	10	95,16,21,719.00	86,14,82,515.00
Income from Investments	11	-	-
Interest Earned	12	3,37,62,085.00	5,65,83,891.00
Other Income	13	7,49,64,547.00	4,27,61,398.00
Prior Period Income	14	1,17,11,878.00	-
TOTAL		134,70,39,337.00	126,64,72,477.00
<u>EXPENDITURE</u>			
Staff Payments & Benefits	15	68,36,63,111.00	61,21,44,742.00
Academic Expenses	16	17,93,48,594.00	17,35,96,508.00
Administrative and General Expenses	17	4,44,07,277.00	4,53,52,409.00
Transportation Expenses	18	1,44,264.00	1,17,512.00
Repairs & Maintenance	19	1,83,32,571.00	2,74,07,207.00
Finance Cost	20	27,395.00	33,343.00
Depreciation for the year	4	7,52,36,746.00	14,02,41,350.00
Other Expenses	21	-	-
Prior Period Item(s)	22	2,56,98,507.00	-
TOTAL		102,68,58,465.00	99,88,93,071.00
SURPLUS / (DEFICIT)		32,01,80,872.00	26,75,79,406.00
<u>Fund Transfers [From / (To)]:</u>			
Deferred Income-Capital Fund		7,52,36,746.00	14,02,41,350.00
Institute Corpus Fund		(39,54,17,618.00)	(40,78,20,756.00)
BALANCE SURPLUS /(DEFICIT) CARRIED TO GENERAL FUND (Sch-1)			
SIGNIFICANT ACCOUNTING POLICIES		23	
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS		24	


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Director

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

SCHEDULE 01 - CORPUS / CAPITAL FUND

		Amount in ₹	
	Particulars	As at 31-03-2017	Reinstated 31-03-16
A	DEFERRED INCOME - CAPITAL FUND		
	Balance as at the beginning of the Year	189,74,57,319.00	-
	Addition during the year:	190,05,96,276.00	189,74,57,319.00
		379,80,53,595.00	189,74,57,319.00
	Less: Refunds / Transfers	7,47,89,899.00	-
	TOTAL (A)	372,32,63,696.00	189,74,57,319.00
B	GENERAL FUND		
	Balance as at the beginning of the Year	28,35,56,277.00	28,35,56,277.00
	Add: Suplus/(Deficit) transfer from Income & Expenditure A/c	-	-
	Less: Refunds / Transfers	(4,46,847.00)	-
	TOTAL (B)	28,31,09,430.00	28,35,56,277.00
	TOTAL (A+B)	400,63,73,126.00	218,10,13,596.00

SCHEDULE :02 - DESIGNATED / EARMARKED FUNDS (Supported by Sch-2A):

		Amount in ₹	
	Particulars	As at 31-03-2017	Reinstated 31-03-16
1	Institute Corpus Fund	215,29,56,851.00	165,54,39,371.00
2	Funds for Capital Expenditure	56,79,443.00	53,10,189.00
3	Funds for Academic Activities	-	-
4	Funds for Maintenance of Assets	58,53,990.00	55,65,388.00
5	Staff Development Fund	1,59,91,273.00	1,50,70,752.00
6	R & D Fund	1,17,23,081.00	79,11,456.00
7	Student Aid Fund	10,63,978.00	9,10,839.00
8	Hostel Welfare Fund	9,73,978.00	20,72,810.00
9	GPF Fund	23,34,47,225.00	20,40,19,108.00
10	Retirement Benefit Funds	-	-
11	Staff Welfare Fund	26,92,002.00	16,32,565.00
12	Endowment Fund	29,67,169.00	28,70,020.00
	TOTAL	243,33,48,990.00	190,08,02,498.00

SCHEDULE :03 - CURRENT LIABILITIES AND PROVISIONS:

		Amount in ₹	
	Particulars	As at 31-03-2017	Reinstated 31-03-16
A	CURRENT LIABILITIES		
1	Statutory Liabilities (GPF,TDS,WC TAX, GIS, NPS) :	1,03,88,302.00	69,48,714.00
2	Secured Loans	-	-
3	Security Deposits		
a	Security Deposit (Contractor)	1,96,16,511.00	2,46,17,116.00
b	Security Deposit (Staffs)	-	-
c	Security Deposit (Students)	2,70,12,831.00	2,66,37,070.00
4	Grants / Other Funds (Supported by Sch-3A)	18,93,79,418.00	59,21,22,682.00
5	Sundry Creditors (For Supplies)	52,89,80,832.00	1,53,31,481.00
7	Accounts Payables and Other Liabilities	6,41,68,657.00	5,86,83,052.00
8	Advance Receipts	6,77,19,320.00	2,03,15,000.00
	Sponsored Research Project Liabilities	48,94,350.00	2,20,84,436.00
	TOTAL (A)	91,21,60,221.00	76,67,39,551.00
B	PROVISIONS		
1	Gratuity	10,00,000.00	-
2	Pension	8,63,123.00	-
3	UEL	28,43,924.00	-
4	Expenses payable (Liability for Exp.)	3,98,47,608.00	1,82,90,031.00
	TOTAL (B)	4,45,54,655.00	1,82,90,031.00
	TOTAL(A+B)	95,67,14,876.00	78,50,29,582.00


AR (FA)


DR (FA)


Registrar


Dean (PD)


Director

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

SCHEDULE-2A, DESIGNATED / EARMARKED FUNDS											
Sl. No.	P A R T I C U L A R S	Opening Balance as on 01-04-2016		Addition to Fund	Total	Refunds / Transfer	Capital Exp	Revenue Exp	Total Exp	Amount in ₹	
		Debit	Credit							Debit	Credit
1	Institute Corpus Fund	-	165,54,39,371	53,26,31,934	218,80,71,305	3,51,14,454	-	-	3,51,14,454	-	215,29,56,851
2	Funds for Capital Expenditure	-	53,10,189	3,69,254	56,79,443	-	-	-	-	-	56,79,443
3	Funds for Academic Activities	-	-	-	-	-	-	-	-	-	-
4	Funds for Maintenance of Assets	-	55,65,388	2,88,602	58,53,990	-	-	-	-	-	58,53,990
5	Staff Development Fund	-	1,50,70,752	9,20,521	1,59,91,273	-	-	-	-	-	1,59,91,273
6	R & D Fund	-	79,11,456	38,98,523	1,18,09,979	-	-	86,898	86,898	-	1,17,23,081
7	Student Aid Fund	-	9,10,839	2,79,039	11,89,878	-	-	1,25,900	1,25,900	-	10,63,978
8	Hostel Welfare Fund	-	20,72,810	8,14,400	28,87,210	-	-	19,13,232	19,13,232	-	9,73,978
8	GPF Fund	-	20,40,19,108	5,18,65,032	25,58,84,140	-	-	2,24,36,915	2,24,36,915	-	23,34,47,225
9	Retirement Benefit Funds	-	-	-	-	-	-	-	-	-	-
10	Staff Welfare Fund	-	16,32,565	10,59,437	26,92,002	-	-	-	-	-	26,92,002
11	Endowment Fund	-	28,70,020	4,32,241	33,02,261	-	-	3,35,092	3,35,092	-	29,67,169
	Total	-	190,08,02,498	59,25,58,983	249,33,61,481	3,51,14,454	-	2,48,98,037	6,00,12,491	-	243,33,48,990


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DR (FA)


Registrar


Dean (PD)


Director

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

SCHEDULE-3A, GRANTS / OTHER FUNDS

Sl. No.	PARTICULARS	Opening Balance as on 01-04-2016		Addition to Fund	Total	Refunds/ Transfer	Capital Exp	Revenue Exp	Total Exp	Closing Balance as on 31-03-2017	
		Debit	Credit							Debit	Credit
1	Grants / Subsidies										
a	Plan Grant	-	43,88,56,726	63,00,00,000	106,88,56,726	-	190,05,96,276	16,94,94,516	207,00,90,792	(100,12,34,066)	-
b	Non-Plan Grant	(13,02,95,803)	-	80,50,00,000	67,47,04,197	-	-	78,21,27,203	78,21,27,203	(10,74,23,006)	-
2	Sponsored Research Project Fund	(46,81,432)	4,03,30,015	7,98,33,636	11,54,82,219	-	2,18,27,481	3,27,43,797	5,45,71,278	(33,78,538)	6,42,89,479
3	Other Project Funds	-	5,53,85,130	9,29,67,926	14,83,53,056	-	-	10,85,69,504	10,85,69,504	-	3,97,85,552
4	Conference/Workshop/Seminars	-	18,19,174	81,50,119	99,69,293	-	-	96,63,806	96,63,806	-	3,05,487
5	Hostel Fund	-	-	3,15,31,764	3,15,31,764	-	-	3,15,31,764	3,15,31,764	-	-
6	Mess Funds	-	2,35,16,351	23,70,65,674	26,05,82,025	-	-	21,96,13,323	21,96,13,323	-	4,09,68,702
5	Student Activity Fund	-	44,14,801	1,35,81,193	1,79,95,994	-	-	79,34,947	79,34,947	-	1,00,61,047
7	Medical Aid Fund	-	1,09,66,694	46,65,063	1,56,31,757	-	-	17,92,563	17,92,563	-	1,38,39,194
8	External Scholarship	-	1,62,79,421	5,13,91,417	6,76,70,838	4,79,93,863	-	-	4,79,93,863	-	1,96,76,975
9	Other Funds	-	5,54,370	7,61,356	13,15,726	6,82,043	-	1,78,701	8,60,744	-	4,54,982
	Total	(13,49,77,235)	59,21,22,682	195,49,48,148	241,20,93,595	4,86,75,906	192,24,23,757	136,36,50,124	333,47,49,787	(111,20,35,610)	18,93,79,418


AK (FA)


DR (FA)


Registrar


Dean (PD)


Director

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR

SCHEDULE-4 FIXED ASSETS AS ON 31-03-2017

SLNO.	PARTICULARS	GROSS BLOCK					DEPRECIATION				NET BLOCK		Amount in ₹
		As At beginning of year	Additions during the year	Deletions/ adjustments during the year	As at the year end	As At beginning of year	For the year	Deletions/ adjustments during the year	Upto end of the year	As at the current year end	As at the previous year end		
A	B	C	D=A+B+C	E	F	G	H=E+F+G	I=D-H	J=A-E				
Tangible Assets													
I	PLAN												
1	Land	123,47,71,480	2,93,11,666	-	126,40,83,146	5,69,45,738	2,52,81,663	81,92,119	9,04,19,520	117,36,63,626	117,78,25,742		
2	Building	5,25,12,696	48,600	-	5,25,61,296	26,04,843	26,28,065	-	52,32,908	4,73,28,388	4,99,07,853		
3	Electrical Installation	16,09,85,436	2,90,88,794	(18,79,405)	18,81,94,825	4,98,54,716	1,50,55,586	(6,50,495)	6,42,59,807	12,39,35,018	11,11,30,720		
4	Science Equipments	3,42,52,890	91,41,796	(13,000)	4,33,81,686	1,24,19,461	86,76,337	13,63,760	2,24,59,558	2,09,22,128	2,18,33,429		
5	Computer/Peripherals	1,51,42,700	-	-	1,51,42,700	63,79,973	15,14,270	-	78,94,243	72,48,457	87,62,727		
6	Library Books	2,54,53,750	2,66,935	-	2,57,20,685	60,74,841	19,29,051	-	80,03,892	1,77,16,793	1,93,78,909		
7	Furniture & Fixture	32,62,962	42,750	-	33,05,712	11,51,740	2,47,928	-	13,99,668	19,06,044	21,11,222		
8	Office Equipments	11,20,137	-	-	11,20,137	2,80,034	1,12,014	-	3,92,048	7,28,089	8,40,103		
9	Vehicles	8,159	-	-	8,159	3,264	4,895	-	8,159	-	4,895		
10	Fixed Asset Below Rs.2,000												
DD Fund Assets:													
II	DD Fund Assets:												
3	Other Equipments	31,271	-	-	31,271	12,092	19,179	-	31,271	-	19,179		
Gymkhana Fund Assets:													
2	Other Equipments	5,74,402	7,96,465	-	13,70,867	1,46,734	68,543	-	2,15,277	11,55,590	4,27,668		
TOTAL (A)													
		152,81,15,884	6,86,97,006	(18,92,405)	159,49,20,485	13,58,73,436	5,55,37,531	89,05,384	20,03,16,351	139,46,04,134	139,22,42,448		
Intangible Assets													
B	Intangible Assets												
1	Patent	27,767	-	-	27,767	-	27,767	-	27,767	-	27,767		
2	E-Journal	-	1,45,17,381	-	1,45,17,381	-	58,06,952	-	58,06,952	87,10,429	-		
3	Computer Software	1,21,11,569	2,86,212	-	1,23,97,781	43,67,914	49,59,112	-	93,27,026	30,70,755	77,43,655		
TOTAL (B)													
		1,21,39,336	1,48,03,593	-	2,69,42,929	43,67,914	1,07,93,831	-	1,51,61,745	1,17,81,184	77,71,422		
C	CAPITAL (WIP)	49,78,90,296	186,68,97,702	(4,79,09,620)	231,68,78,378	-	-	-	-	231,68,78,378	49,78,90,296		
TOTAL (C)													
		49,78,90,296	186,68,97,702	(4,79,09,620)	231,68,78,378	-	-	-	-	231,68,78,378	49,78,90,296		
GRAND TOTAL (A+B+C)													
		203,81,45,516	195,03,98,301	(4,98,02,025)	393,87,41,792	14,02,41,350	6,63,31,362	89,05,384	21,54,78,096	372,32,63,696	189,79,04,166		

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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

SCHEDULE :05 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUND

Amount in ₹

Particulars	As at 31-03-2017	Reinstated 31-03-16
1 Term Deposits with Schedule Banks:		
a Institute Corpus Fund	1,800,272,603.00	1,631,707,800.00
b Funds for Capital Expenditure	54,53,180.00	50,80,559.00
c Funds for Academic Activities	-	-
d Funds for Maintenance of Assets	57,56,325.00	53,61,308.00
e Staff Development Fund	1,56,97,976.00	1,47,03,528.00
f R&D Fund	-	-
g Student Aid Fund	-	-
h Retirement Benefit Funds	-	-
i Endowment Fund	17,45,611.00	15,61,806.00
j GPF Fund	21,81,22,702.00	19,06,49,202.00
k Sponsored Research Project Investments	6,35,31,419.00	5,53,35,800.00
TOTAL	211,05,79,816.00	190,44,00,003.00

SCHEDULE :06 - INVESTMENTS OTHERS

Amount in ₹

Particulars	As at 31-03-2017	Reinstated 31-03-16
1 Securities / Debentures / Bonds	-	-
2 Others	-	-
TOTAL	-	-

SCHEDULE :07 - CURRENT ASSETS

Amount in ₹

Particulars	As at 31-03-2017	Reinstated 31-03-16
1 Cash-in-hand (including cheques/ drafts and imprest)		
2 Bank Balances:		
a -In Current Accounts	8,61,03,006.00	13,14,26,325.00
b -In Savings Accounts	-	-
c -Term Deposits	24,05,74,126.00	18,76,13,441.00
3 Sundry Debtors	-	-
4 Other Current Assets	-	1,14,586.00
5 Sponsored Research Project Assets	1,39,96,953.00	1,03,08,675.00
TOTAL	34,06,74,085.00	32,94,63,027.00

SCHEDULE :8 - LOANS, ADVANCES & DEPOSITS

Amount in ₹

Particulars	As at 31-03-2017	Reinstated 31-03-16
A Institute		
1 Loans & Advances		
a Advances to Supplier / Contractor	82,500.00	23,09,51,842.00
b Advances to Employees	15,88,247.00	31,97,060.00
c Advances to Students	-	-
d Advances to Others	12,70,626.00	31,62,136.00
2 Accrued Income	7,31,72,067.00	5,90,57,063.00
3 Prepaid Expenses	5,40,651.00	2,36,308.00
4 Deposits	39,79,000.00	29,42,29,031.00
5 Other Receivables		
a Debit balances of Grant-in-Aid (Sch-3A)	110,86,57,072.00	13,02,95,803.00
b Debit balances in Sponsored Projects (Sch-3A)	33,78,538.00	46,81,432.00
c Debit balances in Fellowship & Scholarship	-	-
d Grants Receivable	2,00,00,000.00	-
e Other Receivables	92,50,694.00	92,67,805.00
f Maintenance WIP	-	-
TOTAL	122,19,19,395.00	73,50,78,480.00


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

<u>SCHEDULE:09 - ACADEMIC RECEIPTS</u>		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
FEES FROM STUDENTS			
1 Tuition Fee	24,11,91,759.00	26,61,36,046.00	
2 Admission Fee	59,72,082.00	69,22,228.00	
3 Examination Fee	52,39,059.00	56,33,883.00	
4 Other Fee	2,25,76,208.00	2,69,52,516.00	
TOTAL	27,49,79,108.00	30,56,44,673.00	

<u>SCHEDULE:10 - GRANTS & SUBSIDIES</u>		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
1 Central Government	95,16,21,719.00	86,14,82,515.00	
2 Others (Specify)	-	-	
TOTAL	95,16,21,719.00	86,14,82,515.00	

<u>SCHEDULE:11 - INCOME FROM INVESTMENTS</u>		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
1 Interest Income	-	-	
2 Others	-	-	
Less: Transferred to Earmarked/Endowment Funds	-	-	
TOTAL	-	-	

<u>SCHEDULE:12 - INTEREST EARNED</u>		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
1 Interest on Term Deposits:	2,46,28,572.00	4,01,67,232.00	
2 Interest on Savings Accounts:	-	-	
3 Interest On Loans:			
a Employees/Staff	-	-	
b Supplier / Contractor	91,33,513.00	1,64,16,659.00	
c Others	-	-	
TOTAL	3,37,62,085.00	5,65,83,891.00	

<u>SCHEDULE:13 - OTHER INCOME</u>		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
A Income from Land & Building			
1 Hostel Room Rent	2,61,17,533.00	1,97,71,850.00	
2 License fee	12,17,304.00	11,40,706.00	
3 Guest House Rent (Net)	2,73,596.00	-	
4 Rent / Hire Charges	1,49,28,394.00	75,000.00	
TOTAL	4,25,36,827.00	2,09,87,556.00	
B Sale of Institute 's Publications	-	-	
C Income from holding events	-	-	
D Others			
1 Income from overhead/ share (in projects)	2,78,04,087.00	-	
2 RTI fees	320.00	733.00	
3 Sale of Application Form (Recruitment)	1,04,500.00	4,48,800.00	
4 Misc. Receipts (Sale of tender form, waste paper, etc.)	3,18,947.00	4,37,706.00	
6 Other Income	41,99,866.00	2,08,86,603.00	
TOTAL	3,24,27,720.00	2,17,73,842.00	
GRAND TOTAL (A+B+C+D)	7,49,64,547.00	4,27,61,398.00	

<u>SCHEDULE : 14 PRIOR PERIOD INCOME</u>		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
1 Prior Period Income	1,17,11,878.00	-	
TOTAL	1,17,11,878.00	-	


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

SCHEDULE : 15 STAFF PAYMENTS & BENEFITS

		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
1 Salary & Wages	42,37,92,465.00	37,60,20,903.00	
2 Allowances & Bonus	19,53,242.00	6,18,271.00	
3 Contribution to Provident Fund	-	-	
4 Contribution to New Pension Scheme	1,53,98,005.00	1,26,32,338.00	
5 Staff Welfare Expenses	-	-	
6 Retirement & Terminal Benefits	15,90,21,804.00	14,32,15,635.00	
7 LTC Facility	48,19,827.00	20,20,967.00	
8 Medical Facility (Net)	89,47,223.00	78,12,662.00	
9 Children Education Allowance	43,90,463.00	41,93,666.00	
10 Other Payments	6,53,40,082.00	6,56,30,300.00	
TOTAL	68,36,63,111.00	61,21,44,742.00	

SCHEDULE : 16 ACADEMIC EXPENSES

		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
1 Departmental Operating Expenses	33,55,175.00	3,62,826.00	
2 Seminar / Workshop / Conferences	1,00,473.00	98,088.00	
3 Remuneration to Visiting Faculty	-	68,064.00	
4 Examination	40,47,721.00	36,78,080.00	
5 Student Welfare Expenses	-	90,545.00	
6 Admission Expenses	-	-	
7 Convocation Expenses (Net)	12,86,316.00	38,28,366.00	
8 Publications	-	-	
9 Stipend/means-cum-merit scholarship	16,94,94,516.00	15,91,16,309.00	
10 License Fee & Subscription Expenses	-	-	
11 Other Academic Exp	10,64,393.00	63,54,230.00	
TOTAL	17,93,48,594.00	17,35,96,508.00	

SCHEDULE : 17-ADMINISTRATIVE AND GENERAL EXPENSES

		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
1 Electricity and Power (Net)	1,85,03,578.00	1,67,26,495.00	
2 Water Charges (Net)	62,57,888.00	61,81,572.00	
3 Insurance	14,32,739.00	12,99,766.00	
4 Rent, Rates and Taxes	-	-	
5 Postage, Telephone & Communication Expenses	57,19,601.00	18,19,162.00	
6 Advertisement and Publicity	9,07,189.00	12,61,563.00	
7 Auditors Remuneration	4,09,700.00	60,944.00	
8 Hospitality	5,95,817.00	7,55,288.00	
9 Printing & Stationary	12,32,754.00	15,76,532.00	
10 Professional Charges	12,93,093.00	4,79,756.00	
11 Stipendary Trainees/Teaching Asstt. Remuneration	-	-	
12 Training to faculty & staff	-	-	
13 Travelling and Conveyance Expenses	9,62,746.00	14,37,695.00	
14 Other Admin Expenses	70,92,172.00	1,37,53,636.00	
TOTAL	4,44,07,277.00	4,53,52,409.00	

SCHEDULE : 18 TRANSPORTATION EXPENSES

		Amount in ₹	
Particulars	As at 31-03-2017	Reinstated 31-03-16	
1 Vehicle Running & Maintenance			
a Running Expenses	83,792.00	56,957.00	
b Repair & Maintenance	26,946.00	21,332.00	
c Insurance Expenses	33,526.00	39,223.00	
TOTAL	1,44,264.00	1,17,512.00	


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SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-03-2017

SCHEDULE: 19 - REPAIRS & MAINTENANCE

		Amount in ₹	
	Particulars	As at 31-03-2017	Reinstated 31-03-16
1	Building	90,83,667.00	1,32,74,636.00
2	Furniture & Fixture	82,903.00	15,92,148.00
3	Plant, Machinery & Equipments	18,59,681.00	24,23,489.00
4	Computer	15,08,795.00	-
5	Others	57,97,525.00	1,01,16,934.00
TOTAL		1,83,32,571.00	2,74,07,207.00

SCHEDULE: 20 - FINANCE COSTS

		Amount in ₹	
	Particulars	As at 31-03-2017	Reinstated 31-03-16
1	Interest on Fixed Loans	-	-
2	Interest on Other Loans	-	-
3	Bank Charges	27,395.00	33,343.00
4	Others	-	-
TOTAL		27,395.00	33,343.00

SCHEDULE: 21 - OTHER EXPENSES

		Amount in ₹	
	Particulars	As at 31-03-2017	Reinstated 31-03-16
1	Provision for Bad and Doubtful Debts/ Advances	-	-
2	Irrecoverable Balances Written-off	-	-
3	Others	-	-
TOTAL		-	-

SCHEDULE: 22 - PRIOR PERIOD ITEMS

		Amount in ₹	
	Particulars	As at 31-03-2017	Reinstated 31-03-16
1	Prior Period Items	2,56,98,507.00	-
TOTAL		2,56,98,507.00	-


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SCHDULES 23 - SIGNIFICANT ACCOUNTING POLICIES

1 ACCOUNTING CONVENTION

The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.

The financial statements are broadly prepared on the basis of format prescribed by Ministry of HRD for Central Autonomous Bodies.

2. INVESTMENTS

Investments are valued at cost.

3. FIXED ASSETS

- a. Fixed Assets are stated at cost of acquisition inclusive of inward charges/freight and other incidental expenses.
- b. Fixed assets acquired by grants or received by way of donation are capitalized at cost/value stated, by corresponding credit to Deferred Income - Capital Fund A/c.
- c. Assets created out of sponsored projects, where the ownership is retained by the sponsors, but held and used by the institute, are separately disclosed in the Notes on Accounts.

4. DEPRECIATION

- a. Depreciation is provided on Straight Line Method as per rates specified in new format of Financial Statement by MHRD.
- b. Depreciation on assets where actual cost is equal to or less than Rs.2,000/- item-wise is provided at the rate of 100%
- c. As specified in AS-12, Grants utilized for creation of capital assets are treated as Deferred Income (Schedule 1) and recognized in Income and Expenditure Account on a systematic and rational basis over the useful life of the assets, i.e. Capital grants / Funds are allocated to Income over the periods and in the proportion in which depreciation is charged.

5. REVENUE RECOGNITION

- a. All fees (except Tuition Fees) from students are accounted on cash basis.
- b. Income from Land, Buildings and Other Property and Interest on Investments are accounted on accrual basis.
- c. 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.

6. GOVERNMENT GRANTS

- a. Government grants are accounted on the basis of sanction from Government Department.
- b. Grants utilized for meeting recurring expenses are credited to Grants / Subsidies head under Income and Expenditure A/c.

- c. Grants / Funds utilized for capital expenditure, where ownership of asset is vested with the institute, is credited to Deferred Income – Capital Fund A/c (Schedule–1).

7. INTEREST ON INVESTMENTS

Interest income on investments out of Corpus, Endowment and other funds, is added to respective Fund Account.

8. FOREIGN TRANSACTIONS

Transactions denominated in foreign currency are accounted at actuals.

9. CONSUMABLES PURCHASES

Expenditure on purchase of chemicals, glassware, publications and other stores is accounted as revenue expenditure in the year of purchase.

10. RETIREMENT BENEFITS

- a. Liabilities towards gratuity payable on death/retirement of employees are provided based on actual valuation.
- b. Liabilities towards pension payable on retirement of employees are provided based on actual valuation.
- c. Leave encashment benefit (arrear) to the employee is accounted on actual valuation.

11. CONTINGENT LIABILITIES

Provision is made for all known liabilities. Contingent liabilities (if any) are disclosed in the accounts by way of note.

SCHEDULE 24 – CONTINGENT LIABILITIES AND NOTES ON ACCOUNT

1. Plan and Non-Plan Grants

Details of funds under Plan, Non-Plan heads are as under:

Particulars	Plan Grants (₹)	Non-Plan (₹)
Op. Balance	43,88,56,726.00	(13,02,95,803.00)
Add: Received during the year	630,000,000.00	805,000,000.00
Grants available for expenditure (A)	106,88,56,726.00	67,47,04,197.00
Expenditures:		
a. Capital Expenditure	190,05,96,276.00	-
b. Revenue Expenditure	16,94,94,516.00	78,21,27,203.00
Total Expenditure (B)	207,00,90,792.00	78,21,27,203.00
Closing Balance (C=A-B)	(100,12,34,066.00)	(10,74,23,006.00)
Less: Advances Paid for Expenditure		
Advances Paid	13,53,126.00	15,88,247.00
Prepaid Expenses	-	5,40,651.00
Total Advances (D)	13,53,126.00	21,28,898.00
NET FUND (C-D)	(100,25,87,192.00)	(10,955,1904.00)
Total Fund Receivable from MHRD (Plan+NonPlan)	111,21,39,096.00	

2. CONTINGENT LIABILITIES

- Service Tax demand in dispute **Rs.0.07 Crore.**
- Letter of Credit in favor of Supplier/Contractor at the year-end **₹.0.80 Crore** (Previous year ₹.1.89 Crore).

3. CAPITAL COMMITMENTS

The value of contracts remaining to be executed on Capital Account and not provided for (Net of Advances) amounted to **₹.114.86 Crore** (previous year ₹.170.41 Crore).

4. RETIREMENT BENEFITS

Provision requirement as per actuarial valuation for retirement benefit:

(Figure in Crores)

Nature of Retirement Benefit	Valuation of Liability		Actual Payment Made	
	31/03/2017	31/03/2016	2016-17	2015-16
Pension	239.76	242.86	13.99	13.23
Gratuity	15.62	13.87	0.85	0.54
Leave Encashment	19.91	17.83	1.07	0.56
Total	275.29	274.56	15.90	14.33

Provision of funds for retirement benefit will be made after receiving of grants from MHRD.

5. Expenditure on Foreign Currency

Equipments	US \$	Euros	Japanese Yen	GBP
Current Year	3,72,854	18,590	-	-
Previous year	1,85,021	1,47,047	2,798,600	39,750

6. NOTES ON ACCOUNT

- In the opinion of management the Current Assets, Loans and Advances of the organization have a value on realization in the ordinary course of business, equal to or at least the aggregate amount shown in the Balance Sheet and the Provisions for liabilities are adequate.
- Corresponding figure for the previous years have been excluded/regrouped/rearranged, wherever found necessary.
- Format of Financial Statement is changed. New format as prescribe by MHRD is implemented by Reclassification / Appropriation of accounts. Also, for assistance Reinstated Balance Sheet and Income and Expenditure A/c is attached for understanding of readers.
- Balance of Institute Corpus Fund has been shifted to Schedule-2, as envisaged in New Format.
- Schedule-4: Fixed Asset and Depreciation:**
 - Gross block of assets as per accounts statement of FY 2015-16, has been adopted for charging depreciation.
 - Straight Line Method has been adopted in place of Written Down Value method for charging depreciation w.e.f 01-04-2016, as envisaged in new format.

S No.	Particulars	WDV Rate	SLM Rate
		Upto FY 2015-16	From FY 2016-17
Tangible Assets:			
1	Land	0.00%	0.00%
2	Buildings	5.00%	2.00%
4	Electrical Installation	5.00%	5.00%
5	Computer & Peripherals	40.00%	20.00%
6	Furniture & Fixtures	25.00%	7.50%
7	Vehicles	25.00%	10.00%
8	Library Books	5.00%	10.00%
9	Office Equipments	40.00%	7.50%
Intangible Assets (Amortization):			
10	E-Journals	40.00%	40.00%
11	Computer Software	40.00%	40.00%
12	Patents & Copy Rights	9 Years	9 Years

(Note: The change in this accounting policy is implemented prospectively since it is not feasible for the Institute to assess the retrospective impact.)

iii. Capital assets acquired out of Sponsored Project(s) amounts to:

Particulars	Amount in ₹
Opening Balance	8,65,66,777
Addition	2,18,27,481
Transfer/Deletion	Nil
Balance at the year end	10,83,94,258


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED ON 31-03-2017

Amount in ₹

RECEIPTS	Current Year 2016-17	Previous Year 2015-16
I. Opening Balances as on		
a) Cash Balances		
b) Bank Balances		
i. In Current accounts	13,14,26,325.00	34,09,78,566.52
ii. In deposit accounts		
iii. Saving accounts		
iv. R&D Bank A/c	1,15,35,551.00	72,11,136.00
II. Grants Received		
1. Plan grant	63,00,00,000.00	63,96,00,000.00
2. Non-plan grant	78,50,00,000.00	60,00,00,000.00
III. Academic Receipts	31,21,34,762.00	24,59,26,486.00
IV. Receipts against Earmarked / Endowment fund	4,10,52,300.00	4,16,94,417.00
V. Receipts against Sponsored Project (R&D)	6,96,83,972.00	4,17,06,815.00
VI. Receipts against Sponsored Fellowship and	4,42,35,797.00	3,28,23,101.00
VII. Interest received	1,11,85,955.00	
VIII. Investments encashed	68,46,18,022.00	93,12,81,308.00
Investment encashed (R&D)	2,98,96,699.00	56,26,580.00
IX. Term Deposit with Scheduled Banks encashed		
X. Other income (including prior period income)	2,93,02,689.00	3,09,84,644.00
XI. Deposits and Advances	8,18,66,316.00	1,64,61,334.00
XII. Miscellaneous Receipts		
XIII Any other receipts		
1. Direct expenses	95,68,540.00	56,21,421.00
2. Current assets	35,87,86,578.00	2,06,43,293.00
Current Assets (R&D)	68,77,840.00	87,86,390.00
3. Loans and borrowings		1,77,225.00
4. Current liabilities and provisions	85,66,22,814.00	41,03,30,269.00
Current Liabilities- R&D	87,02,034.00	1,31,97,765.00
5. Fixed Assets	63,81,398.00	3,65,098.00
6. Prior Period Income	5,70,006.00	
TOTAL	410,94,47,598.00	339,34,15,848.52


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED ON 31-03-2017

Amount in ₹

PAYMENTS	Current Year 2016-17	Previous Year 2015-16
I. Expenses		
a) Establishment Expenses	64,29,47,500.00	56,50,27,135.00
b) Academic Expenses	16,39,85,133.00	13,45,96,396.00
c) Administrative Expenses	6,59,84,907.00	6,20,60,806.75
d) Transportation Expensed	1,12,826.00	82,855.00
e) Repairs & Maintenance	1,64,04,769.00	2,68,84,812.00
f) Contingencies		2,95,396.00
g) Finance Costs	27,885.00	
h) Prior Period Expenses	46,19,823.00	
i) R&D expenses	4,268.00	1,768.00
II. Payment against Earmarked Funds	2,26,80,806.00	2,99,84,848.00
III. Payments against Sponsored Projects	4,64,16,906.00	4,67,34,718.00
IV. Payments against Scholarships	1,93,94,269.00	35,91,719.00
V. Investments and Deposits made	75,26,50,000.00	161,00,00,000.00
Investments (R&D)	3,48,00,000.00	50,00,000.00
VI. Expenditure on Fixed Assets and WIP		
a) Fixed Assets	3,54,69,516.00	4,07,83,790.00
b) Capital work in Progress	28,29,368.00	3,58,00,420.00
VII Refunds of Grants		
VIII Deposits and Advances	106,77,33,017.00	30,21,11,374.00
IX Other payments		
1. Academic receipts	80,13,636.00	1,33,25,285.00
2. Other income	31,49,986.00	1,08,04,545.00
3. Current liabilities and provisions	67,00,45,055.00	30,61,60,682.00
Current Liabilities- R&D	2,16,00,769.00	31,01,798.00
4. Current Assests	42,06,00,000.00	4,36,45,973.00
Current Assets (R&D)	1,42,72,974.00	1,01,54,851.00
5. Loans and borrowings		3,04,800.00
X. Closing balances		
a) Cash in hand		
b) Bank Balances		
i. In Current accounts	8,61,03,006.00	13,14,26,325.77
ii. In deposit accounts		
iii. Saving accounts		
iv. R&D Bank Balance	96,01,179.00	1,15,35,551.00
TOTAL	410,94,47,598.00	339,34,15,848.52


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY NAGPUR
REINSTATED BALANCE SHEET FOR THE YEAR ENDED ON 31.03.2016

	Amount in ₹	
	Reinstated 31-03-16	As at 31-03-2016
FUNDS & LIABILITIES		
CORPUS/CAPITAL FUND	218,10,13,596.00	342,86,32,212.00
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	190,08,02,498.00	26,26,25,273.00
CURRENT LIABILITIES AND PROVISIONS	78,50,29,582.00	63,27,90,200.00
SURPLUS FUND	-	40,78,20,756.00
TOTAL	486,68,45,676.00	473,18,68,441.00
ASSETS		
FIXED ASSETS		
Tangible Assets	139,22,42,448.00	139,22,42,448.00
Intangible Assets	77,71,422.00	77,71,422.00
Capital Work-in-Progress	49,78,90,296.00	49,78,90,296.00
INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS		
Long Term	-	-
Short Term	190,44,00,003.00	209,20,13,444.00
INVESTMENTS- OTHERS		
CURRENT ASSETS	32,94,63,027.00	15,42,79,528.00
LOANS, ADVANCES & DEPOSITS	73,50,78,480.00	58,76,71,303.00
TOTAL	486,68,45,676.00	473,18,68,441.00
NOTE:- Difference in Balance Sheet total of Rs. 13.49 Crore is due to exclusion of debit balance of Grants/Funds from current liability and inclusion in current assets, as disclosed hereunder:		
Statement of differences:		Amount in ₹
Liabilities :-		
Balance as per old Balance Sheet		473,18,68,441.00
Add:		
Grants-in-aid Non-Plan	13,02,95,803.00	
Debit Balance of sponsored projects	46,81,432.00	13,49,77,235.00
Reinstated Balance		486,68,45,676.00
Assets :-		
Balance as per old Balance Sheet		473,18,68,441.00
Add: Debit Balance of Grants reflected in Current Assets		
Grants-in-aid Non-Plan	13,02,95,803.00	
Debit Balance of sponsored projects	46,81,432.00	13,49,77,235.00
Reinstated Balance		486,68,45,676.00


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY NAGPUR
REINSTATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31.03.2016

Particulars	Amount in ₹	
	Reinstated 31-03-16	As at 31-03-2016
INCOME		
Academic Receipts	30,56,44,673.00	30,56,44,673.00
Grants & Subsidies	86,14,82,515.00	86,14,82,515.00
Income from Investments	-	-
Interest Earned	5,65,83,891.00	5,65,83,891.00
Other Income	4,27,61,398.00	6,23,72,243.00
Prior Period Income	-	-
TOTAL (A)	126,64,72,477.00	128,60,83,322.00
EXPENDITURE		
Staff Payments & Benefits	61,21,44,742.00	61,21,44,742.00
Academic Expenses	17,35,96,508.00	17,41,92,908.00
Administrative and General Expenses	4,53,52,409.00	4,77,37,659.00
Transportation Expenses	1,17,512.00	-
Repairs & Maintenance	2,74,07,207.00	2,74,07,207.00
Finance Cost	33,343.00	-
Depreciation for the year	14,02,41,350.00	-
Other Expenses	-	1,67,80,050.00
Prior Period Expenditure	-	-
TOTAL (B)	998,893,071.00	878,262,566.00
SURPLUS / (DEFICIT)	26,75,79,406.00	40,78,20,756.00
Fund Transfers [From / (To)]:		
Deffered Income-Capital Fund	14,02,41,350.00	-
Institute Corpus Fund	(40,78,20,756.00)	-
BALANCE CARRIED OVER TO GENERAL FUND	-	40,78,20,756.00
SIGNIFICANT ACCOUNTING POLICIES		

CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS


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**VISVESVARAYA
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**GPF STATEMENT OF ACCOUNTS
FOR THE FINANCIAL YEAR
2016-2017**

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
GENERAL PROVIDENT FUND ACCOUNT
BALANCE SHEET FOR THE YEAR ENDED ON 31.03.2017

	Amount in ₹	
	As at 31-03-2017	As at 31-03-2016
FUNDS & LIABILITIES		
GPF FUND		
Balance as at the begining of the Year	19,30,86,259.00	16,99,35,326.00
Add: Subscription Received	3,66,87,896.00	3,33,00,957.00
Add: Interest Credited	1,61,88,853.00	1,51,50,501.00
Less: Refunds / Transfers / Advances	(2,24,37,547.00)	(2,53,00,525.00)
TOTAL (A)	22,35,25,461.00	19,30,86,259.00
INTEREST RESERVE FUND		
Balance as at the begining of the Year	1,15,27,067.00	1,10,36,797.00
Add: Suplus/(Deficit) transfer from Income & Expenditure A/c	(1,011,717.00)	490,270.00
TOTAL (B)	1,05,15,350.00	1,15,27,067.00
TOTAL (A+B)	23,40,40,811.00	20,46,13,326.00
ASSETS		
INVESTMENTS		
Term Depsoits with Schedule Banks	21,81,22,702.00	19,06,49,202.00
CURRENT ASSETS		
Bank Balances	29,33,169.00	82,820.00
Accrued Interest	1,29,84,940.00	1,38,81,304.00
TOTAL	23,40,40,811.00	20,46,13,326.00


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
GENERAL PROVIDENT FUND ACCOUNT
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31.03.2017

Particulars	Amount in ₹	
	As at 31-03-2017	As at 31-03-2016
INCOME		
Interest Earned	1,60,73,500.00	17,60,097.00
Add: Interest Accrued for Current Year	1,29,84,940.00	1,38,81,304.00
Less: Interest Accrued for Previous Year	(1,38,81,304.00)	-
TOTAL	1,51,77,136.00	1,56,41,401.00
EXPENDITURE		
Interest Paid	1,61,88,853.00	1,51,50,501.00
Bank Charges	-	630.00
TOTAL	1,61,88,853.00	1,51,51,131.00
SURPLUS / (DEFICIT)	(10,11,717.00)	490,270.00
Fund Transfers [From / (To)]:		
Interest Reserve Fund	1,011,717.00	(4,90,270.00)
BALANCE SURPLUS /(DEFICIT) CARRIED OVER	-	-


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY , NAGPUR
GENERAL PROVIDENT FUND
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED ON 31-03-2017

Amount in ₹

RECEIPTS	Current Year 2016-17	Previous Year 2015-16
I. Opening Bank Balance	82,820.00	1,12,83,018.00
II. GPF Subscriptions & Repayment of Loan	3,66,87,896.00	3,33,00,957.00
IV. Deposits Encashed	19,27,83,886.00	
V. Interest Received on Deposits	1,60,73,500.00	
Total	24,56,28,102.00	4,45,83,975.00
PAYMENTS	Current Year 2016-17	Previous Year 2015-16
I. GPF Advances to Employees and Withdrawals	2,24,37,547.00	2,53,00,525.00
II. Investment in Bank Deposits	22,02,57,386.00	1,92,00,000.00
III. Bank Charges		630.00
IV. Closing Bank Balance	29,33,169.00	82,820.00
Total	24,56,28,102.00	4,45,83,975.00


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VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY NAGPUR
GENERAL PROVIDENT FUND ACCOUNT
BALANCE SHEET AS ON 31-03-2017

NOTES TO GPF ACCOUNTS

1. Prior to the year 2013-14, no separate set of Financial Statements are prepared for GPF and the same was shown as part of Institute accounts. However, separate Bank Account was maintained to operate GPF transactions and all receipts / payments of GPF are routed through this account.
2. As per the directives of MHRD, separate set of financial statements are prepared from year 2014-15 onwards.
3. Separate Accounts are maintained for each member to reflect their fund position and the same is informed to concerned member every year.


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