

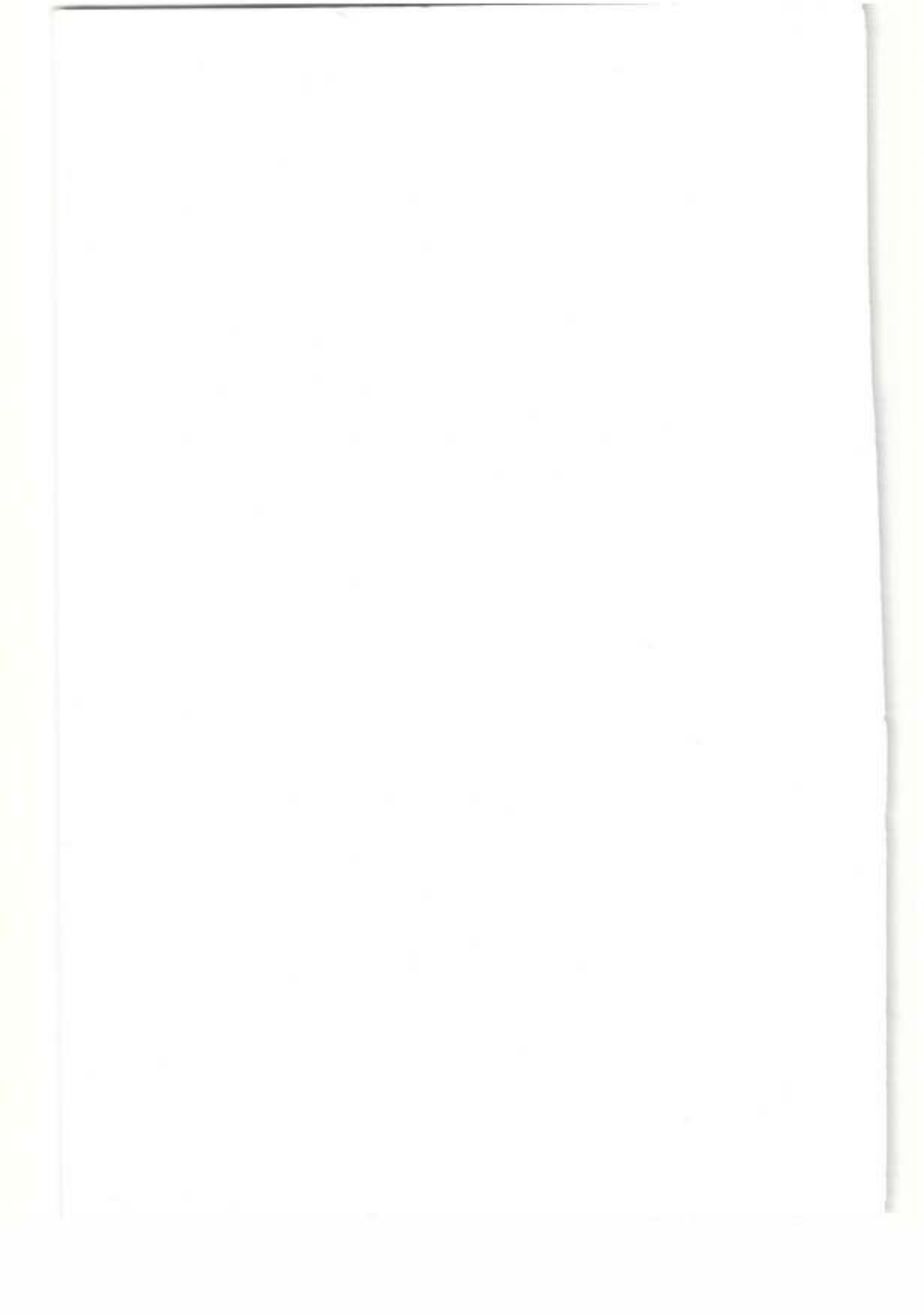


वार्षिक प्रतिवृत्त

ANNUAL REPORT

2013-14

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



Contents

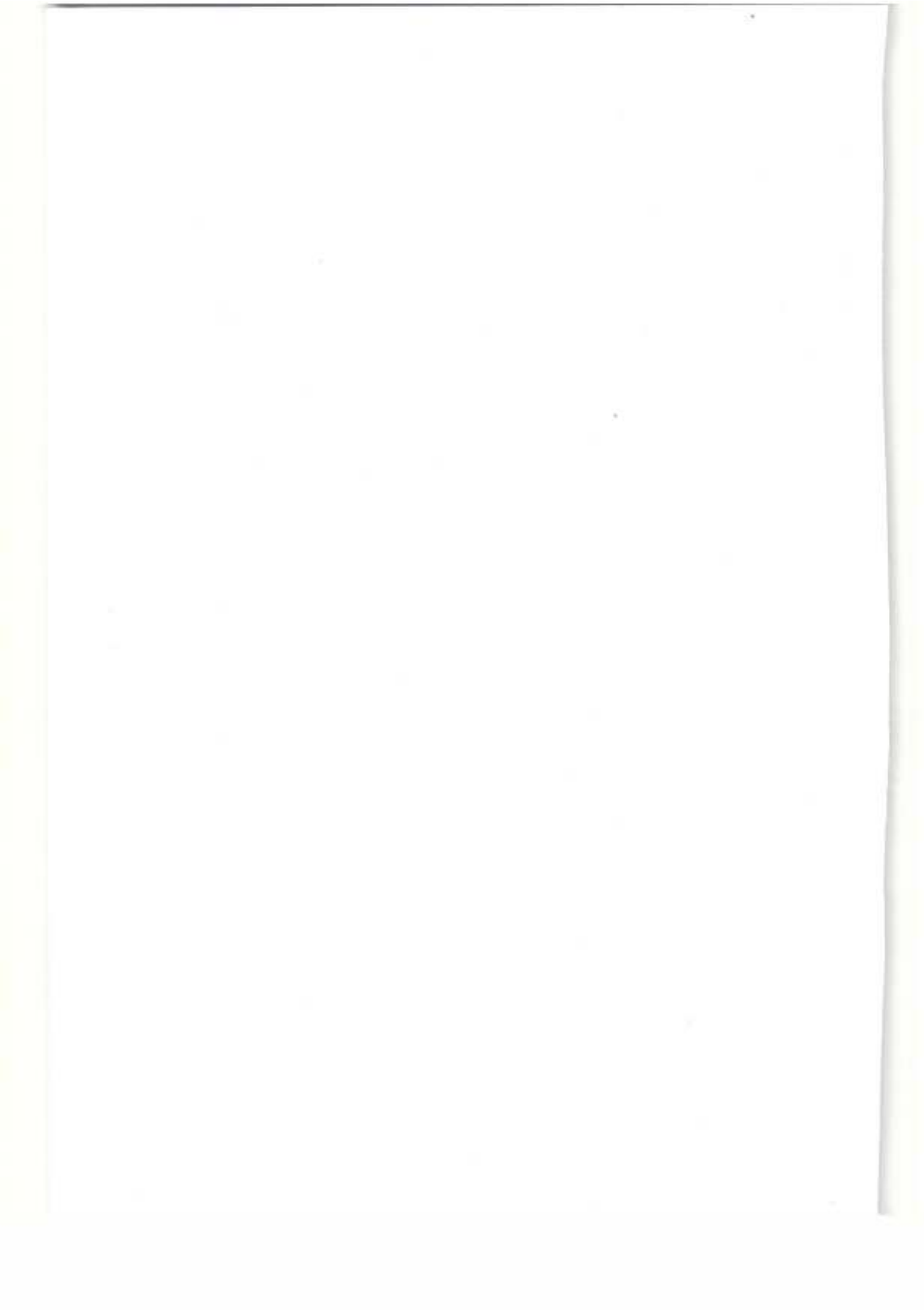
	PREAMBLE	I
	HIGHLIGHTS	II
1.	INTRODUCTION	1
	1.1. Vision and Mission	1
	1.2. Objectives	2
	1.3. Education System	3
	1.4. New Initiatives	4
2.	OVERVIEW	5
	2.1 Historical Background	5
	2.2. Location.....	5
	2.3. Campus	6
	2.4. Administration	6
	2.5. Academic Programs	7
	2.6. Courses offered	7
	2.7. Admission Procedure	10
	2.8. Students	11
	2.9. Examination and Evaluation.....	11
	2.10. Placement.....	12
	2.11. Games and Sport	12
	2.12. Staff Position	14

3.	Human Resources	16
	3.1. Academic (Teaching).....	16
	3.2. Non-teaching staff	17
	a) Supporting Staff in Position/ Sanctioned.....	17
	b) Administrative Officers	18
	c) Statement of Group C positions	18
	3.3. Staff Retired / Resigned / Expired during the year	24
	3.4. Staff joined during the year.....	25
	3.5. Training Status.....	26
4.	TEACHING PROGRAMMES	27
	4.1. Courses offered	27
	4.2. Course-wise enrolment with gender, caste breakup.....	29
	4.3. Admission Statistics New Admissions During 2013-14.....	35
	4.4. Total number of students	38
	4.5. The Hostels	38
	4.6. Scholarships / Assistantship	39
	4.7. Games and Sports.....	40
	4.8. Awards	45
	4.9. Examination Details	64
	4.10. Training and Placement	66
	a) Optional Training	66
	b) Compulsory Training.....	68

	c) Training of M Tech Student	69
	d) Placement and General Policy	69
	e) Activities of Placement Department	69
5.	Research and Consultancy	70
	5.1. On-going Ph D programs.....	70
	5.2. Ph Ds completed during 2013-14	107
	5.3. (a) Research Publications in International /	111
	National Referred Journals	
	5.3 (b) Research publications in International /	141
	National Conferences	
	5.3 (c) Participation in International Conferences /	170
	National Conferences	
	5.4 R & D Projects	178
	5.5 Institute Industry Collaboration	189
	5.6 Innovation and Technology Transfer	203
6.	THE COUNCIL , BoG AND OTHER COMMITTEES	208
	6.1. NIT Council	208
	6.2. Board of Governors.....	217
	6.3. The Finance Committee	218
	6.4. Building and works Committee	219

	6.5. The Senate	221
	6.6. Staff Selection Committee	225
7.	CONCESSIONS FOR SCs , STs AND PWD STUDENTS	228
8.	FINANCIAL STATUS	229
	8.1. Analysis of Plan and Non-plan Grants	229
	8.2. Sources of Funds	229
	8.3. Expenditure position for last three years.....	229
9.	CENTRAL FACILITIES AND SERVICES	231
	9.1. Computer Services Centre	231
	9.2. Workshop	231
	9.3. Library	231
	9.4. Laboratories	235
	9.5. Hospital, Post Office, Shopping Center	241
	9.6. Physical Facilities.....	242
	9.7. Games and Sports Facilities.....	242
	9.8. Other Facilities like Hostel, Messes,	243
	Staff Quarter, Administration Buildings etc.	
10.	NOTABLE ACHIEVEMENTS / HIGHLIGHTS	245

11.	ANNEXURES	259
	11.1. Institute Council	259
	11.2. Board of Governors.....	259
	11.3. Finance , Building and Works Committees.....	259
	11.4. Research Projects and Consultation	259
	11.5. a) Faculty Position.....	259
	b) Faculty with Administrative Responsibilities.....	268
	c) Heads of Academic Departments	269
	11.6 Administrative / Technical Officers.....	270
	11.7 Seminars/Summer School/Short Term Courses/Workshops	271
	I . Organised by the Institute	271
	II. Staff Members Deputed by the Institute.....	282
	III. Publications	293
	11.8 Courses and Admissions	294
	11.9 Scholarships and Awards	294
	11.10 Training and Placement Statistics	294



Preamble

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

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

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

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

The Annual Report 2013-14 gives the details of various activities. Some of the highlights of these activities during 1 April 2013- 31 March 2014 can be summarised as follows:-

Highlights of 2013-2014

• Journal papers published	:-	226
• Conference papers published	:-	202
• Patents filed	:-	10
• Patents Issued	:-	8
• Ph Ds On-going	:-	325
• Ph Ds completed	:-	32
• Consultancy	:-	78 Lakhs
• Seminars Organized	:-	91
• Books Authored	:-	5
• R & D Projects	:-	2555 Lakhs
• Total No. of Students on roll	:-	4201
(UG: 3071 , PG: 681 , MSc: 92, Ph D 333 MTech (Res) 32)		
• No. of Students Placed	:-	416
• Total No. of Students Admitted	:-	1163
(UG :731 , PG : 350 , Ph D : 82)		
• VNIT Initiative	:-	Social Sensitization Conference in Collaboration with Anandvan, Warora. Maharashtra State.
• MOU signed with foreign Universities/ IITs/IISc/Industries		05

S N	Name of Dept.	Journal Papers	Conference Papers	Patents			PhD		Consultancy (In Lakhs)	Seminar Organised	Books Authored	R & D Projects (In Lakhs)
				Filed	Issued		Ongoing	Completed				
1	Applied Mechanics	1	4	Nil	Nil		19	1	21.44	4	Nil	2.3
2	Civil Engg.	34	35	2	Nil		44	6	2.75	6	Nil	187.46
3	Chemical Engg.	40	28	Nil	1		19	4	2.04	13	1	106.8
4	Computer Science & Engg.	7	2	Nil	Nil		24	3	0	7	1	9.18
5	Electrical Engg.	11	12	2	4		34	2	0.25	15	1	138.5
6	Electronics	11	31	2	Nil		35	0	0	2	1	521.95
7	Mech. Engg.	22	22	4	3		51	1	0.5	8	1	480.85
8	Metallurgy & Material Engg.	42	27	Nil	Nil		30	7	2.51	12	0	820.88

S N	Name of Dept.	Journal Papers	Conference Papers	Patents		PhD		Consultancy (In Lakhs)	Seminar Organised	Books Authored	R & D Projects (In Lakhs)
				Filed	Issued	Ongoing	Completed				
9	Mining Engg.	6	9	-	-	3	1	39.25	1	0	0
10	Arch. & Planning	8	9	-	-	23	3	9.55	2	0	18.4
11	Physics	10	8	-	-	14	1	0	6	0	125.83
12	Chemistry	17	6	-	-	18	2	0	2	0	121.519
13	Mathematics	10	4	-	-	7	1	0	10	0	19.409
14	Humanities & Social Sc.	7	5	-	-	4	0	0	3	0	2
	Total	226	202	10	8	325	32	78.3033	91	5	2555.078
		Journal Papers	Conference papers	Patents Filed	Patents Issued	Ph D ongoing	Ph D Completed	Consultancy amount earned	Seminars Organized	Books Authored	R and D Projects worth



Visvesvaraya National Institute
of Technology, Nagpur, India.



1 INTRODUCTION

The Visvesvaraya National Institute of Technology (VNIT), Nagpur is an Institute of National Importance established by an Act of Parliament, National Institute of Technology (Amendment) 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 20 PG courses apart from PhD programmes in the area of Engineering, Architecture and Science.

1.1 Vision and Mission

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

Vision

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

Mission

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



Visvesvaraya National Institute
of Technology, Nagpur, India.



1.2 Objectives

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

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

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

1.3 Education system

Under-graduate (UG) Programmes

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

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

Post-graduate (PG) Programmes

The Institute offers 17 PG programmes in engineering and architecture and three in basic sciences. Graduate Aptitude Test in Engineering (GATE) qualified candidates are admitted to these programs based on the rank obtained by the Centralized Counselling for M.Tech./M.Arch./M.Plan. (CCMT). Seats reserved for sponsored category are for candidates possessing minimum 2 years of work experience in the relevant field and are filled on the basis of inter-se merit in the written test / interview conducted by the respective departments of the Institute. Apart from regular intake , Institute offers additional seats in M Tech programs under TEQIP-II project and sponsored category.

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

Doctoral (Ph.D.) Programmes

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

1.4 New Initiatives

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

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

Addition to Infrastructure

- Faculty apartment buildings having a total of 24 apartments has been completed.
- Construction of Sports Complex has been completed.
- Construction of Classroom Complex has been started.
- Extension building between Applied Mechanics and Civil Engineering Dept. is completed.

OVERVIEW

2. OVERVIEW

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

2.1 Historical Background

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

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

2.2 Location

City of Nagpur which is considered as the geographical centre 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 the second capital of Maharashtra.

2.3 Campus

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

- Hostels for students,
- Academic area consisting of various Academic Departments, Library and Information Centre and various central facilities
- Residential Sector for faculty members and supporting staff.
- Sports Complex & Ground

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

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

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

2.4 Administration

As per the provisions of the NIT Act, the Board of Governors (BoG) is responsible for superintendence, direction, and control of the Institute. Thus, the BoG is vested with full powers over the affairs of administration / management and finances of the Institute. Members of the Board represent Govt. of India, Govt. of Maharashtra, Industries, and faculty of the Institute. The Director is the principal academic and executive officer of the Institute. Besides the Board of Governors, the Senate, the Finance Committee and the Building and Works Committee are Statutory Committees and therefore, Authorities of the Institute.

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

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

2.5 Academic Programmes

The institute offers Undergraduate programs, Post Graduate and Doctoral research programs in Engineering, Architecture and Sciences disciplines. There are a 9 Under-Graduate programs consisting of 8 B Tech and 1 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 17 Post Graduate courses offering M Tech degree and 3 Post Graduate programs offering M Sc degree are conducted. All the Engineering Departments, Architecture Department as well as Applied Sciences Departments (Physics , Chemistry and Mathematics Departments) also offer Doctoral Research Programs.

2.6 Courses Offered

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

S N	Program	Department offering the program
(a)	Under Graduate	
	B.Tech.	
1	Chemical Engineering	Chemical Engineering
2	Civil Engineering	Civil Engineering
3	Computer Science Engineering	Computer Science Engineering
4	Electronics & Communication Engineering	Electronics Engineering
5	Electrical & Electronics Engineering	Electrical Engineering
6	Mechanical Engineering	Mechanical Engineering
7	Metallurgical & Materials Engineering Engineering	Metallurgical & Materials
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	Electronics Engineering
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

S N	Program	Department offering the program
12	Power Electronics & Drives	Electrical Engineering
13	Material Engineering	Metallurgical & Materials Engineering
14	Structural Dynamics and Earthquake Engineering	Applied Mechanics
15	Structural Engineering	Applied Mechanics
16	Urban Planning	Architecture
17	Excavation Engineering	Mining Engineering
	M.Tech. (By Research)	All Engineering Departments and Architecture Department
	M.Sc.	
1	Physics	Applied Physics
2	Chemistry	Applied Chemistry
3	Mathematics	Applied Mathematics

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

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

2.7 Admission Procedure

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

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

UG program seats are filled by JEE qualified candidates through centralized admission process conducted by the committee constituted by Govt. of India, Ministry of HRD. Reservation of seats is as per Govt. of India rules. In the year 2013-14, the centralized admission process was coordinated by MHRD constituted Central Seat Allocation Board (CSAB) HQ at NIT, Rourkela.

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

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

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

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

There is no fixed quota of seats for Ph.D. program. The seats are decided as per the availability of Research Projects and Ph.D. guides in the concerned departments. Ph.D. program (Full time / Part time) is advertised on the Institute website. Candidates are selected through written test and interview of short listed candidates at the respective department. On recommendation of Departmental Research Committee (DRC), the candidates are offered Ph.D. registration. The registration is valid for a period of six years. Candidate selected for full time Ph.D. program are given fellowship as per norms. Each research scholar is put under the over-all supervision of a research progress committee (RPC) in addition to the Ph.D. Guide and each Ph.D. scholar is required to undergo coursework as specified by the respective RPC. Minimum duration for submission of thesis is 4 years for Ph.D. (Part Time) and 3 years for Ph.D. (Full Time). The candidates nominated by the QIP centre are interviewed by the institute committee and are given admission to Ph.D. and / or M. Tech. (Full Time) program.

2.8 Students

In the year 2013-14, 731 students (506 Male and 225 Female) were admitted in B.Tech./B.Arch. programs, 350 (285 Male and 65 Female) in M.Tech. programs, 50 (31 Male & 19 Female) in MSc programs, 82 (59 Male and 23 Female) in Ph.D. program .

2.9 Examination & Evaluation

UG and PG programs are run on semester basis. Students are required to register courses every semester. 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 obtains FF (fail grade) in the subsequent semester . Students 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 requirements 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 the website of the institute. Academic Peer Review of four courses 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). Data of eight academic programs have already been uploaded and their accreditation will be taken up shortly.

2.10 Placement

Training & Placement center provides the necessary guidance to the students for career planning and personality development. T & P center 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 2013-14, 79 companies visited the campus and 430 jobs were offered to UG & PG students. Detailed break up is given in section 11.10.

2.11 Games & Sports

Games and Sports plays a vital element in a comprehensive, well-balanced development of a human being in physical, emotional, mental and social domain of his/her life.

Sports activity center also provides an opportunity for students to develop critical life skills, such as problem solving, strategy, and working together. Many team games require participants to work together to achieve a goal. Students also learn the basics of good sportsmanship and that there is much more to sports and physical activities than simply winning or losing. Sports require training, mental and physical preparation, and help build self-confidence. Games and Sports program also include general health and safety information in addition to providing opportunities for students to learn how to cooperate with one another in a team setting.

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.

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

The staff of Sports Activity Center exploit all the possible dimensions of physical education & Sports through the variety of activities in our Institute:

- The students are taken for regular games where they play major sports such as Football, Volleyball, Cricket, Table Tennis, Badminton, Throw ball, Chess and Lawn Tennis.

- 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.
- Coaching facilities are also made available to the students selected by conducting the selection trials of various games. Specialized Coaches are appointed to train the students going to participate in various West Zone, All India and Inter-NIT Tournaments. Here the students they come in morning as well as in the evening hours for practice.
- Another attractive sporting activity is the Institute Gathering which is organized every year by the students under the supervision of the staff of sports activity center. This is an event, where various inter-departmental Sports activities are conducted with overwhelming response and the participants are the whole Institute boys, girls and the complete Institute staff, including teaching and non-teaching. The winners and Runner ups are given certificates and trophies.

2.12 Staff Position

The staff of the Institute has been categorized into two main categories i.e. teaching staff and non-teaching staff.

Teaching Staff

Categories of the staff	Professors	Associate Professors	Assistant Professors	Total
Sanctioned	48	96	191	335
In position	36	60	79	175
Vacancies	12	36	112	160



A Panoramic View of the Administrative Building from the Main Entrance of VNIT



The Administrative Building with Sir Visvesvaraya's Bust in the Foreground



Department of Applied Mechanics



Department of Applied Physics



Department of Architecture & Planning



Department of Chemistry



Department of Civil Engineering



Department of Computer Science Engineering



Department of Electrical Engineering



Department of Electronics & Communication Engineering



Department of Mathematics & Humanities



Department of Mechanical Engineering



Department of Metallurgical & Material Engineering



Material Engineering Centre



Department of Mining Engineering



Department of Chemical Engineering

Non-Teaching Staff

1) Officers

The Institute has a sanctioned strength of 22 administrative and technical officers. Presently, 14 of them are in position. Some positions are being re-structured and Audit Officer is usually taken on deputation from the Audit & Accounts department of the Government.

2) Group-C employees & Supporting Staff

The Institute has unrevised sanctioned strength of 188 (Technical 133, Ministerial 55) Group "C" employees in the support system in technical and ministerial cadres. Presently, 94 employees in Group "C" and 87 supporting staff are in position.

3. THE STAFF

3. THE STAFF

The staff position is as shown below. Figures in parentheses indicate staff actually in position against the sanctioned numbers.

3.1 Academic (Teaching)

Professor (HAG Scale)	-	67000-79000
Professor (PB-4)	-	37400-67000 + AGP Rs. 10000
Associate Professor - (PB-4)	-	37400-67000+AGP Rs. 9000
Assistant Professor - (PB-3)	-	15600-39100+AGP Rs. 8000
Assistant Professor - (PB-3)	-	15600-39100+AGP Rs. 7000
Assistant Professor - (PB-3)	-	15600-39100+AGP Rs. 6000

Department	Professor	Associate Professor	Assistant Professor	Total
Applied Mechanics	3(5)	6(3)	13(5)	22(13)
Applied Physics	2(1)	4(3)	7(4)	13(8)
Architecture & Planning	3(2)	6(5)	13(9)	22(16)
Chemistry	2(1)	4(3)	8(5)	14(9)
Civil Engg.	4(4)	8(7)	17(6)	29(18)
Computer Science	5(2)	10(4)	20(6)	35(13)
Electrical Engg.	6(3)	12(12)	22(4)	40(21)
Electronics	4(5)	9(3)	18(5)	31(13)
Humanities	1(-)	3(2)	5(1)	9(3)
Maths	3(1)	6(1)	10(5)	19(7)
Mechanical Engg.	6(7)	11(6)	23(14)	40(27)
Metallurgy	4(4)	7(5)	15(6)	26(16)
Mining	1(1)	2(4)	5(2)	8(8)
Physical Education	-	-	3(3)	3(3)
Metallurgy	4(4)	7(5)	15(6)	26(16)

Department	Professor	Associate Professor	Assistant Professor	Total
Chemical Engg.	3(-)	5(3)	11(7)	19(10)
TOTAL	47(36)	93(60)	190(79)	330(175)
	+1**	+3**	+1**	+5**

* Actual staff in position is shown in bracket

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

- ***
1. Dr. M. K. Khedkar is on deputation as Vice Chancellor, S.G. B. University, Amravati .
 2. Dr. P. D. Porey is on deputation-as Director, SVNIT, Surat
 3. Dr. N. V. Deshpande is on deputation-as Director, NIT Silchar
 4. Dr. H. T. Thorat is on deputation- as Director, NIT Uttarakhand
 5. Dr.O. G. Kakde is on deputation-as Director VJTI, Mumbai
 6. Dr. Swapnajit Pattnaik, Asso.Professor, Electrical Engg.Dept. is on deputation to this institute from NIT Raipur.

3.1 Non-teaching staff

a) Supporting staff in position / sanctioned in Workshop / R.Lab. / Computer Centre

Category	Pay Scales	Sanctioned Post	Staff Post	Vacant in Position
Principal Technical Officer	15600-39100+7600	2	-	2
Sr. Scientific/Technical Officer	15600-39100+6600	3	-	3
Scientific/Technical Officer	15600-39100+ 6600	9	1	8
System Manager (Comp. Center)	15600-39100+7600	-	1	(-1)
System Analyst (Comp. Center)	15600-39100+8900	-	1	(-1)
Programmer (R.Lab/ Comp. Center)	15600-39100+7600	-	1	(-1)
Total		14	04	10

* Shri P.S. Meshram, Sr. Tech. Asst. is on deputation to NIT Silchar w.e.f. 22.01.2013

b) Administrative Officers :

Sr. No.	Category	Sanctioned Posts	Staff in Position	Vacant Post
1	Director	1	1	-
2	Registrar	1	0	1
3	Dy. Registrar	4	1	3
4	Asst. Registrar	6	3	3
5	Librarian	1	-	1
6	Dy. Librarian	1	-	1
7	Asst. Librarian	1	1	-
8	Executive Engineer	1	-	1
9	Assistant Ex. Engineer	2	1	1
10	Sr. Medical Officer	1	-	1
11	Medical Officer	1	1	-
Total		19	7	12

Statement of Group 'C' position

Sr. No.	Designation and scale of pay	In position	Category of employees in position					
			M	F	SC	ST	OBC	Open

Technical Staff (Higher Cadre)

1	Technical Assistant 9300-34800 + 4200	07	07	00	03	03	01	00
2	Junior Engineer 9300-34800 + 4200	00	00	00	00	00	00	00
3-	Tech. Asst. (Library) 9300-34800 + 4200	00	00	00	00	00	00	00
4	Sr. Tech. Asst. (Library) 9300-34800 + 4600	02	02	00	01	00	00	01

Sr. No.	Designation and scale of pay	In position	Category of employees in position					
			M	F	SC	ST	OBC	Open
5.	Tech. Asst. (Sanitation) 9300-34800 +4200	01*	01	00	01	00	00	00
6.	SAS Assistant 9300-34800 + 4200	00	00	00	00	00	00	00
7.	Sr. Tech. Assistant 9300-34800 + 4800	01	01	00	00	00	01	00
8.	Sr. Tech. Assistant 9300-34800 + 4600	06**	03	03	02	00	00	04
9.	Staff Nurse 9300-34800 + 4200	00	00	00	00	00	00	00
10.	Sr. Staff Nurse 9300-34800 + 4600	01	00	01	00	00	00	01
11.	Assistant Engineer 9300-34800 + 4600	02	02	00	01	00	00	01
12.	Sr. SAS Assistant 9300-34800 + 4600	00	00	00	00	00	00	00
13.	Tech. Asst. (SG-II) 9300-34800 + 4800	01	01	00	00	01	00	00
14.	Assistant Executive Engineer 9300-34800 + 4800	00	00	00	00	00	00	00
15.	SAS Assistant (SG-II) 9300-34800 + 4800	00	00	00	00	00	00	00
16.	Tech. Asst. (SG-I) 9300-34800 + 5400	00	00	00	00	00	00	00
17.	Assistant Engineer (SG-I) 9300-34800 + 5400	00	00	00	00	00	00	00

Sr. No.	Designation and scale of pay	In position	Category of employees in position					
			M	F	SC	ST	OBC	Open
18.	SAS Assistant (SG-I) 9300-34800 + 5400	00	00	00	00	00	00	00

Technical Staff (Lower Cadre)

19.	Technician 5200-20200 + 2000	00	00	00	00	00	00	00
20.	Laboratory Assistant 5200-20200 + 2000, 2004	02	01	01	00	00	02	01
21.	Work assistant 5200-20200 + 2000	00	00	00	00	00	00	00
22.	Senior Technician 5200-20200 + 2400	00	00	00	00	00	00	00
23.	Senior Lab. Asst. 5200-20200 + 2400	10	09	01	02	00	08	01
24.	Senior Work Asst. 5200-20200 + 2400, 2800	06	05	01	02	00	03	01
25.	Technician (SG-II) 9300-34800 & 5200-20200 + 4200, 2800	07	07	00	02	00	03	02
26.	Lab. Asst. (SG-II) 5200-20200 + 2800	03	02	01	01	01	00	01
27.	Work Asst. (SG-II) 5200-20200 + 2800	01	01	00	00	00	01	00
28.	Technician (SG-I) 9300-34800 + 4200	00	00	00	00	00	00	00
29.	Lab. Asst. (SG-I) 9300-34800 + 4200	00	00	00	00	00	00	00

Sr. No.	Designation and scale of pay	In position	Category of employees in position					
			M	F	SC	ST	OBC	Open
30.	Work Asst. (SG-I) 9300-34800 + 4200	00	00	00	00	00	00	00
31.	Sr. Library Asst 5200-20200+2400	04	03	01	01	00	03	00
32.	Lib. Asst. 5200-20200+2000	00	00	00	00	00	00	00

Ministerial Staff (Higher Cadre)

33.	Accountant 9300-34800 + 4200	00	00	00	00	00	00	00
34.	Senior Superintendent 9300-34800 + 4600	01	00	01	00	00	00	01
35.	Superintendent 9300-34800 + 4200	01*	01	00	01	00	00	00
36.	Superintendent (SG-II) 9300-34800 + 4800	00	00	00	00	00	00	00
37.	Superintendent (SG-I) 9300-34800 + 5400	00	00	00	00	00	00	00
38.	Jr. Hindi Translator 9300-34800 + 4200	01***	00	01	00	00	00	01
39.	Security Officer 9300-34800 + 4200	01	01	00	00	00	00	01

Ministerial Staff (Lower Cadre)

40.	Junior Asst. 5200-20200 + 2000	09	03	06	05	03	01	00
41.	Senior Asst. 5200-20200 + 2400 (8) & 2800 (5)	08	08	00	00	00	05	03

Sr. No.	Designation and scale of pay	In position	Category of employees in position					
			M	F	SC	ST	OBC	Open
42.	Assistant (SG-II) 5200-20200 + 2800	07	07	00	01	01	02	03
43.	Assistant (SG-I) 9300-34800 + 4200	00	00	00	00	00	00	00
44.	Trainee Jr. Asst. 4440-7440	01	01	00	00	00	00	01
Stenographers (Higher Cadre)								
45.	Secretary 9300-34800 + 4200	00	00	00	00	00	00	00
46.	Senior Secretary 9300-34800 + 4600	00	00	00	00	00	00	00
47.	Secretary (SG-II) 9300-34800 + 4800	00	00	00	00	00	00	00
48.	Secretary (SG-I) 9300-34800 + 5400	00	00	00	00	00	00	00
Stenographer (Lower Cadre)								
49.	Stenographer 5200-20200 + 2400	00	00	00	00	00	00	00
50.	Senior Stenographer 5200-20200 + 2800	00	00	00	00	00	00	00
51.	Stenographer (SG-II) 9300-34800 + 4200 (2) & 4600 (2)	04	03	01	01	00	00	03
52.	Stenographer (SG-I) 9300-34800 + 4600	01	00	01	00	00	00	01

Sr. No.	Designation and scale of pay	In position	Category of employees in position					
			M	F	SC	ST	OBC	Open

Pharmacists

53.	Pharmacist 5200-20200 + 2800	01	01	00	01	00	00	00
54.	Senior Pharmacist 9300-34800 + 4200	00	00	00	00	00	00	00
55.	Pharmacist (SG-II) 9300-34800 + 4600	00	00	00	00	00	00	00
56.	Pharmacist (SG-I) 9300-34800 + 4800	00	00	00	00	00	00	00
	Total	286	70	19	24	09	29	27

3.2.1 Supporting Staff

Sr. No.	Designation & Scale of Pay	No. of Posts sanctioned **	No. of posts filled up	No. of posts vacant	Total No. in position	S.C.	S.T.	OBC	OPEN	Remarks
1.	Supporting Staff 5200-20200+2400	3 *	03	-		02	00	00	01	
2.	Supporting Staff 5200-20200+2000	08	48	-40	-	07	03	07	13	
3.	Supporting Staff 5200-20200+1900	16	23	-7	-	08	05	11	12	
4.	Supporting Staff 5200-20200+1800	23	03	+20	-	00	02	05	01	
	Total	50	77	-27	77	17	1	23	27	

3.3 Staff Retired / Resigned / Expired during the year

Sr. No.	Name	Designation	Date of Departing /Reason
1.	Dr. S.U. Pathak	Professor	30.04.2013 AN Superannuation
2.	Dr. A.G. Kothari	Professor	30.06.2013 AN Superannuation
3.	Dr. Mallikarjun Rao Pillalamarry	Assistant Professor	01.07.2013 FN Resigned
4.	Dr. V.N. Rajurkar	Associate Professor	31.07.2013 AN Superannuation
5.	Dr.K.L. Thakre	Professor	31.08.2013 AN Superannuation
6.	Dr.A.D. Pofale	Professor	31.08.2013 AN Superannuation
7.	Shri V.N. Wanjari	Lecturer (Sel. Gr.)	15.09.2013 AN Superannuation
8.	Dr. C.S.Moghe	Professor	30.11.2013 AN Voluntary Retirement
9.	Dr. Vidyasagar Shilapuram	Assistant Professor	04.12.2013 AN Resigned
10.	Shri G.A. Bhalave	Superintendent	30.06.2013 Superannuation
11.	Shri A.D. Usarbarse	Superintendent	30.06.2013 Superannuation
12.	Shri S.T. Dafre	Sr. Assistant	31.10.2013 Superannuation
13.	Shri S B Chandaliya	Chemistry Department	31.05.2013, Superannuation

Sr. No.	Name	Designation	Date of Departing /Reason
14.	Smt. Sharda Meshram	Library	30.06.2013, Superannuation
15.	Shri S K Maste	Electrical Engg. Department	30.06.2013, Superannuation
16.	Shri S N Patil	Account Section	30.06.2013, Superannuation
17.	Shri T C Parteki	Estate Maintenance Section	31.07.2013, Superannuation
18.	Shri K D Dhoke	Applied Mechanics	28.02.2014, Superannuation

3.4 Staff Joined During the Year 2013-14

-- NIL --

3.5 Training Status

The Institute is making all efforts to increase the human resource potential by encouraging need based training for the staff. The training programs attended by the non-teaching staff are as under :

Sr. No.	Name of employee	Deputed to	Period of deputation	Purpose To attend
1	Shri S.P. Sahasrabudhe	Indian Concrete Institute (ICI), Nagpur Centre at Geotech Services, MIDC, Hingna Road Nagpur	Last week of June-2013	training and Certification course of Field & Lab Technicians working with concrete
2	Shri R.N. Dhabarde	-do-	-do-	-do-
3	Shri D.B. Pillewan	New Delhi	12.09.2013 to 14.09.2013	To attend Technical Workshop on "Pensionary Benefits under the Old and New Pension Scheme in Wake of 6th Pay Commission Report, Including C.C.S. (Pension) Rules & etc."
4	Shri A.D. Pendam	-do-	-do-	-do-
5	Shri S.S. Lawrence	-do-	-do-	-do-
6	Shri M.G. Chakradhare	-do-	-do-	-do-
7	Shri R.M. Giripunje	Muktangan, Civil Lines, Nagpur	22.12.2013	To attend workshop on "Bamboo Art" organized by Institute of Indian Interior Designers



CAD - CAM Centre



The Library and Information Resource Centre



Inauguration of Course on Advanced Signal Processing



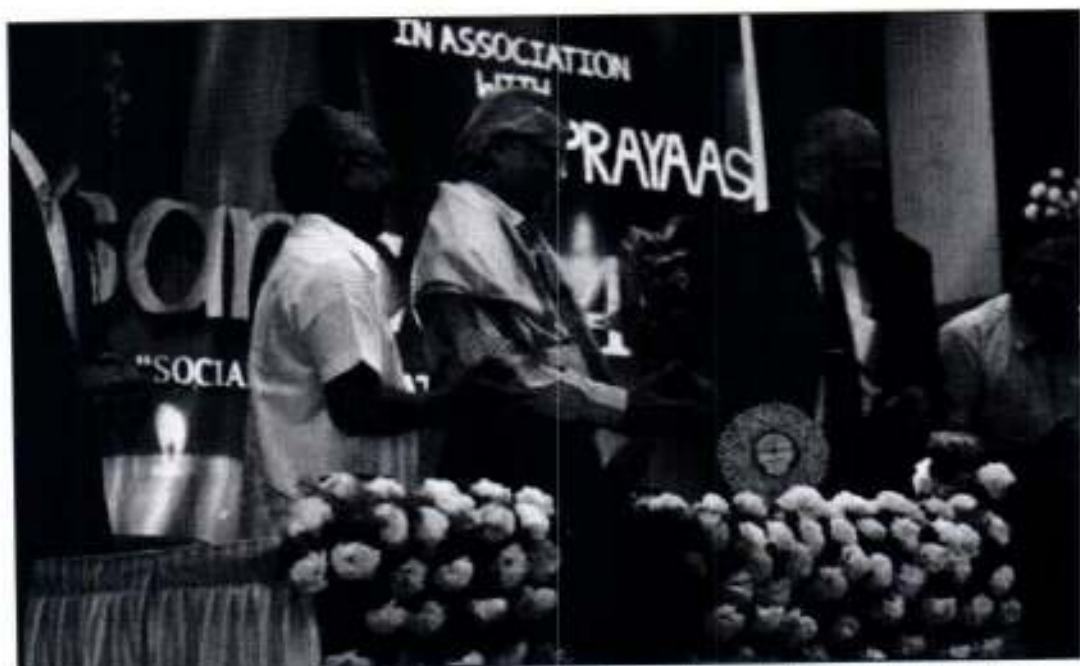
Metallurgical & Materials Engineering Students' Symposium at VNIT



STTP MSDA - 2013 at VNIT



Eleventh Convocation Programme at VNIT



Padma Vibhushan Dr. Anil Kakodkar addressing the gathering during the inauguration of National Conference on Social Sensitization "Renaissance" 2014 at VNIT



Padmashree Professor Dr. K. L. Chopra, Former Director, IIT, Karagpur delivering lecture on "Nurturing Innovations and Entrepreneurship in Academic Institution" during 8th Prof. V. G. Bhide Memorial Lecture at VNIT on August 8th, 2014



Dr. Narendra S. Chaudhari presenting Memento to Padma Shri Dr. D. B. Phatak during the Industrial Symposium conducted by Centre of Excellence "Commbded Systems" at Deptt of Electronics and Communications Engineering



Dr. G. Viswanathan, President Education Promotion Society of India, New Delhi and Former Minister, Govt of Tamil Nadu exchanging views with VNIT Director Dr. Narendra S. Chaudhari



Half Day Workshop for Female Employees of VNIT on Sexual Harassment at Workplace : Prevention, Prohibition & Redressal Act, 2013.



Dr. Vilas Deshpande (left) handing over the newly developed material for high temperature transducer to Dr. Vasudeo Rao, Director I.G.C.A.R., Kalpakkam.

4. TEACHING PROGRAMMES

4.1 Courses Offered

S N	Program	Duration
(a)	B Arch, B Tech	
1	Architecture	5 years (10 semesters)
2	Chemical Engineering	4 years (8 semesters)
3	Civil Engineering	4 years (8 semesters)
4	Computer Science Engineering	4 years (8 semesters)
5	Electronics & Communication Engineering	4 years (8 semesters)
6	Electrical & Electronics Engineering	4 years (8 semesters)
7	Mechanical Engineering	4 years (8 semesters)
8	Metallurgical & Materials Engineering	4 years (8 semesters)
9	Mining Engineering	4 years (8 semesters)
(b)	M Tech	2 years (4 semesters)
1	Environmental Engineering	2 years (4 semesters)
2	Water Resources Engineering	2 years (4 semesters)
3	Construction Technology & Management	2 years (4 semesters)
4	Transportation Engineering	2 years (4 semesters)
5	VLSI Design	2 years (4 semesters)
6	Communication System Engineering	2 years (4 semesters)
7	Computer Science Engineering	2 years (4 semesters)
8	Industrial Engineering	2 years (4 semesters)
9	Heat Power Engineering	2 years (4 semesters)

S N	Program	Duration
10	CAD-CAM	2 years (4 semesters)
11	Integrated Power System	2 years (4 semesters)
12	Power Electronics & Drives	2 years (4 semesters)
13	Material Engineering	2 years (4 semesters)
14	Structural Dynamics and Earthquake Engineering	2 years (4 semesters)
15	Structural Engineering	2 years (4 semesters)
16	Urban Planning	2 years (4 semesters)
17	Excavation Engineering	2 years (4 semesters)
(c)	M.Sc.	2 years (4 semesters)
1	M.Sc. Chemistry	2 years (4 semesters)
2	M.Sc. Mathematics	2 years (4 semesters)
3	M.Sc. Physics	2 years (4 semesters)
(d)	Ph.D. (Full / Part time)	3 / 4 years

4.2 Course-wise enrolment with gender, caste breakup

(A) As per Gender:

B Arch/B Tech Programs				
SN	Program Code	Male	Female	Total
1	Architecture	177	127	304
2	Chemical Engineering	255	78	333
3	Civil Engineering	304	74	378
4	Computer Science Engineering	317	97	414
5	Electronics and Communication Engineering	249	144	393
6	Electrical and Electronics Engineering	289	94	383
7	Mechanical Engineering	400	10	410
8	Metallurgical and Materials Engineering	263	74	337
9	Mining Engineering	116	3	119
	Total (A)	2370	701	3071
M.Tech. Programs				
1	Environmental Engineering	26	18	44
2	Water Resources Engineering	22	11	33
3	Construction Technology & Management	34	5	39
4	Transportation Engineering	26	13	39
5	VLSI Design	38	9	47
6	Communication System Engineering	38	9	47
7	Computer Science Engineering	43	7	50
8	Industrial Engineering	42	2	44

SN	Program Code	Male	Female	Total
9	Heat Power Engineering	42	1	43
10	CAD-CAM	49	2	51
11	Integrated Power System	38	8	46
12	Power Electronics & Drives	42	4	46
13	Material Engineering	30	3	33
14	Structural Dynamics and Earthquake Engineering	27	6	33
15	Structural Engineering	35	8	43
16	Urban Planning	21	14	35
17	Excavation Engineering	8	0	8
	Total (B)	561	120	681
M.Sc. Programs				
1	M.Sc. Chemistry	14	17	31
2	M.Sc. Mathematics	17	16	33
3	M.Sc. Physics	18	10	28
	Total (C)	49	43	92
	M. Tech. (by Research) (D)	27	5	32
	Ph.D. (E)	241	92	333
	Total (A+B+C+D+E)	3248	961	4209

(B) As per Category:

B.Arch. / B.Tech. Programs

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	58	38	96	72	56	128	26	15	41	13	7	20	8	11	19	177	127	304
2	Chemical Engineering	69	20	89	125	31	156	36	17	53	18	7	25	7	3	10	255	78	333
3	Civil Engineering	81	23	104	142	35	177	50	8	58	24	5	29	7	3	10	304	74	378
4	Computer Science Engineering	93	16	109	147	47	194	39	13	52	21	6	27	17	15	32	317	97	414
5	Electrical and Electronics Engineering	84	13	97	129	50	179	41	18	59	20	6	26	15	7	22	289	94	383
6	Electronics & Communication Engineering	67	34	101	111	68	179	35	20	55	22	6	28	14	16	30	249	144	393
7	Mechanical Engineering	104	0	104	180	6	186	58	0	58	27	1	28	31	3	34	400	10	410
8	Metallurgical and Materials Engineering	71	24	95	125	33	158	42	11	53	25	5	30	0	1	1	263	74	337
9	Mining Engineering	37	0	37	51	2	53	19	0	19	9	1	10	0	0	0	116	3	119
	Total	664	168	832	1082	328	1410	346	102	448	179	44	223	99	59	158	2370	701	3071

M.Tech. Programs

SN	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	8	6	14	12	10	22	5	1	6	1	1	2	26	18	44
2	Water Resources Engineering	8	4	12	10	6	16	3	0	3	1	1	2	22	11	33
3	Construction Technology & Management	11	2	13	15	3	18	6	0	6	2	0	2	34	5	39
4	Transportation Engineering	9	2	11	10	10	20	5	1	6	2	0	2	26	13	39
5	VLSI Design	12	1	13	19	4	23	4	3	7	3	1	4	38	9	47
6	Communication System Engineering	11	2	13	17	5	22	8	1	9	2	1	3	38	9	47
7	Computer Science Engineering	15	0	15	16	6	22	8	1	9	4	0	4	43	7	50
8	Industrial Engineering	13	1	14	20	1	21	8	0	8	1	0	1	42	2	44
9	Heat Power Engineering	14	1	15	17	0	17	8	0	8	3	0	3	42	1	43
10	CAD-CAM	17	1	18	22	1	23	8	0	8	2	0	2	49	2	51

M.Tech. Programs

SN	Program Name	OBC			OP			SC			ST			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
11	Integrated Power System	12	3	15	16	4	20	7	1	8	3	0	3	38	8	46
12	Power Electronics & Drives	12	0	12	23	0	23	4	3	7	3	1	4	42	4	46
13	Materials Engineering	8	0	8	17	2	19	5	1	6	0	0	0	30	3	33
14	Structural Dynamics and Earthquake Engineering	6	2	8	16	3	19	4	1	5	1	0	1	27	6	33
15	Structural Engineering	12	3	15	19	2	21	3	3	6	1	0	1	35	8	43
16	Urban Planning	8	5	13	6	5	11	7	3	10	0	1	1	21	14	35
17	Excavation Engineering	3	0	3	3	0	3	1	0	1	1	0	1	8	0	8
	Total	179	33	212	258	62	320	94	19	113	30	6	36	561	120	681

M.Sc. Programs

SN	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	4	9	13	7	7	14	3	1	4	0	0	0	14	17	31
2	M.Sc. Mathematics	8	5	13	7	7	14	2	4	6	0	0	0	17	16	33
3	M.Sc. Physics	4	5	9	10	4	14	3	1	4	1	0	1	18	10	28
	Total	16	19	35	24	18	42	8	6	14	1	0	1	49	43	92

4.3 Admission Statistics New admissions during 2013-14

B.Arch./B.Tech.

S N	Program Name	Intake	Admitted through JEE	Admitted through DASA/ICCR/MEA	Total	M	F
1	Architecture	62	57	2	59	27	32
2	Chemical Engineering	92	83	5	88	64	24
3	Civil Engineering	92	86	2	88	62	26
4	Computer Science Engineering	92	92	5	97	63	34
5	Electronics and Communication Engineering	92	87	6	93	49	44
6	Electrical and Electronics Engineering	92	83	3	86	52	34
7	Mechanical Engineering	92	91	7	98	95	3
8	Metallurgical and Materials Engineering	92	85	0	85	58	27
9	Mining Engineering	40	37	0	37	36	1
	Total	746	701	30	731	506	225

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

M.Tech.

SN	Program Name	Intake	Admitted	M	F
1	Environmental Engineering	20	24	16	8
2	Water Resources Engineering	20	19	14	5
3	Construction Technology & Management	20	18	14	4
4	Transportation Engineering	20	19	12	7
5	VLSI Design	20	26	20	6
6	Communication System Engineering	20	25	19	6
7	Computer Science Engineering	20	24	20	4
8	Industrial Engineering	20	24	24	0
9	Heat Power Engineering	20	23	22	1
10	CAD-CAM	20	25	24	1
11	Integrated Power System	20	22	18	4
12	Power Electronics & Drives	20	23	21	2
13	Materials Engineering	20	15	14	1
14	Structural Dynamics and Earthquake Engineering	20	16	13	3
15	Structural Engineering	20	22	16	6
16	Urban Planning	20	17	10	7
17	Excavation Engineering	20	8	8	0
Total		340	350	285	65

Seats admitted as TEQIP-II, Research Assistantship, MPCB Scheme and under sponsored category are over & above intake and are merged in respective category.

M.Sc.

S N	Program Name	Intake	Admitted	M	F
1	M.Sc. Physics	20	17	11	6
2	M.Sc. Chemistry	20	16	10	6
3	M.Sc. Mathematics	20	17	10	7
	Total	60	50	31	19

Ph.D

1	Ph.D.	-	82	59	23
---	-------	---	----	----	----

Break-up of Seats:

Category	Intake	Admitted
----------	--------	----------

B Arch/B Tech program

OBC	201	201
OP	377	338
SC	112	107
ST	56	55
Total	746	701

M.Tech. program

OBC	101	108
OP	189	163
SC	56	58
ST	28	21
Total	374	350

Category	Intake	Admitted
M.Sc. program		
OBC	17	16
OP	29	27
SC	9	7
ST	5	0
Total	60	50

4.4 Total number of Students

Program	No of Students
B.Arch. /B.Tech.	3071
M.Tech.	681
M.Sc.	92
M.Tech. (by Research)	32
Ph.D.	333
Total	4209

4.5 The Hostels

The Institute provides excellent residential facilities to cater to the needs of more than two thousand students. Each hostel has a telephone, T.V., Computer hall with internet connection, provision for indoor and outdoor games, water coolers, water heaters and mess facilities. It is mandatory for hostel inmates to join the mess, managed by a committee of student representatives. The hostel residents pay for the wages of mess cooks, helpers, cleaners etc.

The Chief Warden looks after the discipline and management of the hostels with the help of a team of wardens (one for each hostel), Hostel Manager and a Matron (for girls hostel).

No. of Hostels : 11 (2 for Girls, after utilizing 1 boys hostel for girls in 2013-14)

Capacity :

Single Seated - Capacity to accommodate 1762 students (1762 rooms For Boys)

- Capacity to accommodate 218 students (218 rooms for girls)

Four Seated - Capacity to accommodate 1260 students (315 rooms For Boys)

Double Seated - Capacity to accommodate 272 (136 rooms for girls)

4.6 Scholarships / Assistantship

S N	Scholarship	Funding Agency	No. of Students	Total in Rs.
1	Gol Post Metric Scholarship for (Home State)	Social Welfare Department of MH State	598	24073735.00
2	Gol Post Metric Scholarship for (Other State)	Social Welfare Department of other states	51	2106820.00
3	Rajashree Shahu Maharaj Merit Scholarship (RSMMS)	DSWO, Pune	5	153100.00
4	Govt. of India Merit-Cum-Means scholarship to Minority students	Gol, Ministry of Minority Affairs	8	330450.00
5	New Central Sector Scholarship for SC Students	Gol, Ministry of Social Welfare and Empowerment	10	643300.00
6	Scholarship to international students placed under GCSS scheme by ICCR	RO, ICCR, Mumbai	8	1829880.00

S N	Scholarship	Funding Agency	No. of Students	Total in Rs.
7	Scholarship to students placed SPDC scheme of EDCIL	EDCIL, Noida	15	3041465.00
8	Assistance ship to M Tech students under GATE scheme	Institute	561	46915038.00
9	Assistance ship to Ph D (Full Time) scholars	Institute	73	12895291.00
10	Assistance ship to M Tech/ Ph D (Full Time) scholars	TEQIP	97	10425872.00
11	Assistance ship to M Tech/ Ph D (Full Time) scholars	Institute	11	651903.00
12	Assistance ship to Ph D scholars placed under QIP scheme	AICTE	2	189000.00
13	Assistance ship to M Tech/ Ph D scholars under MPCB scheme	Institute	3	434934.00
14	Public Sector/Trusts/ Corporations Scholarships	-	10	228000.00

4.7 Games and Sports

The Institute encourages the students by exposing them to various Inter University Tournaments such as West Zone Inter University, All India Interuniversity, 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:

More than 150 students participated in various All India Inter NIT Tournaments organized by various NITs in India.

Organized by	Games	Duration	Total participants		Position	Remark
			Boys	Girls		
NIT Warangal	Volleyball	3 rd to 5 th January 2014	12	12	Girls- 3 rd Position	Paramveer Kang was awarded with best player of the tournament
	Throw ball			12	Girls- 3 rd Position	
NIT Surathkal	Table Tennis	9 th to 12 th January 2014	4	3	Girls-3 rd Position	Jagdish Patil got the best All Rounder of the tournament award
	Football		16	NA	-----	
	Kho-Kho		12	NA	Winner	
NIT Trichi	Athletics	9 th to 12 th February 2014	10	4	Bronze Medal- 5000 Mtr.	Ravi Kumar got the Bronze
					Women 4X400 Mtr. Relay- Silver Medal	Madhuri Meshram, Alvira Shaikh, Pallavi Vijay Wanshi and Shrutika Singh got the Silver Medal
	Badminton		5	3	Boys S/F	
	Basketball		12	11	Women S/F	
	Cricket		15	NA		

Organized by	Games	Duration	Total participants		Position	Remark
			Boys	Girls		
NIT Trichi			5	4	Men-Runner Up	Kalyani Jagtap got the first Board Prize
	Chess					
			12	NA	Women-3rd Place	Sudeep Jha got the First Board Prize
	Kabaddi				S/F	
	Lawn Tennis					

Local Tournaments:

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

Krik Mania:

This is an Invitational Cricket Tournament being organized since last 21 years by the Institute students under the guidance of the Physical Education section at local level.

Intramural and Krida Diwas:

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

Diwas was inaugurated by honorable Director of the institute , all the students were given sweets on this occasion.

The objective of organizing such events in the campus is to involve the Engineering students in some physical activities and teach them sportsmanship, team spirit and help them in socialization through sports activities. The Biggest advantage of organizing such event, especially for the first year B. Tech. students is that every student of the first year know each other and helps to provide solid platform for their healthy social relationship throughout their academic course. Through this unique program students also learn skills of organization, administration, officiating and coaching. All the class representative students also responded very enthusiastically and coordinated nicely amongst their classes for the success of the Intramural.

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 and his team with the coordination of Department of Physical Education.

Physical Efficiency Test:

The Physical Efficiency of every first year B. Tech. / B. Arch. student 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 in PET LEVEL 1. On the basis of overall performance of Level 1, selected students are allowed to participate in PET LEVEL 2, which is competitive in nature with higher degree of difficulties and performance base tests.

Felicitation of the students:

The Physical Education Section recognizes the efforts taken by first year students by felicitating them. The Honorable Director, Dr. N. Chaudhary was the chief guest for the valedictory function of the Annual Prize distribution held on 27th of March 2014; where as Dean(Acd) was the guest of honour. Dean(SW) was also present prominently along with other guests during the function.

- ⇒ All the winners and Runner up teams are given the winner and runner up trophies, medals and certificates.
- ⇒ Best CR Boy/Girl are awarded with memento and certificate where as certificates are awarded to rest of the CRs.
- ⇒ Overall champion and Runner-up trophies are also awarded to the first two top scorer of the Intramural tournament
- ⇒ Best Sports person of the year: The best sports person of the year award was also given to Mr. Ravi Kumar who promoted Kho-Kho in the students of the institute for the past four years.
- ⇒ First year participation in Inter NIT Tournament: 11 boys and 10 girls from B. Tech. B. Arch. First year were felicitated for representing the institute in various All India Inter NIT Tournaments.
- ⇒ Coaches: All the coaches were also felicitated for rendering their services for improving the skills of various games.
- ⇒ On the basis of overall performance of the Physical Efficiency Test, the first five best athletes each from boys and girls are selected which is shown in the following table.

Category	Name of the athlete	Section	Rank	Score out of 50
Boys	Prashant Iyer	T	1st	46.38
	Prasanjeet Jaiswal	Z	2nd	45.77
	Punit Magade	U	3rd	44.92
	Parishilan Rayamajhi	U	4th	44.68
	Sujeet Shinde	R	5th	44.40

Category	Name of the athlete	Section	Rank	Score out of 50
Girls	Vidisha Uniyal	S	1st	46.65
	Payal Ukey	Arch.	2nd	45.96
	Ganta Nikhila	N	3rd	44.69
	Sapana Kumari Meena	R	4th	44.42
	Alisha Rath	R	5th	42.85

4.8 Awards

a) General information

Institute awards the topper students of all programs every year for meritorious performance. The awards/prizes to students of final year are given at the convocation function of the institute. Institute convocation was conducted on 15th November, 2013. Following awards/prizes were given to students who completed degree requirement by Summer 2013 examination. Awards list and list of recipients of award/prizes is given below.

Awards/Prizes list

SN	Award	Criteria
1	Sir Visvesvaraya Medal	Highest CGPA amongst all disciplines of B. Tech. program
2	Institute Medal	Highest CGPA in B. Tech. (Program-wise) / B.Arch.
3	Academic Excellence Prize	Highest CGPA in B. Tech. (Program-wise)/B.Arch./ M.Tech Program (Program-wise)
4	Late Shri N.G. Joshi Prize	Highest CGPA amongst all disciplines of B. Tech. program
5	Watwe Education Trust Prize	Highest CGPA in B. Tech. Electrical & Electronics Engg./ Mechanical Engg./ Civil Engg.

SN	Award	Criteria
6	Late Shri Vishnu Diwakar Alias Bhausaheb Gijre Prize	Highest CGPA in B. Tech. Civil Engg
7	P.J. Sahastrabudhe Memorial Prize	Highest CGPA in B. Tech. Civil Engg
8	Late Shri C.T. Gharpure prize	Highest CGPA in B. Tech. Civil Engg
9	Shri L.J. Sane Prize	Highest CGPA amongst all disciplines of B. Tech. Electrical Engg.
10	Late Shri J.M. Gawande prize	Highest CGPA amongst Candidates from OBC category in B. Tech. Mechanical Engg.
11	Shri Prashant Palamkar Memorial Prize	Highest CGPA in B. Tech. Mining Engg.
12	Poornima Prize	Highest SGPA by girl student in Final year B. Arch
13	Purna Award I / II	Highest CGPA (First/Second) in M. Tech. Environmental Engg. Program
14	Shri Bhide Memorial Prize	Highest CGPA in M. Tech. Environmental Engg. Program
15	Dr. S.S. Kulkarni Prize	Highest CGPA in M. Tech. Structural Engg. Program
16	Late Smt. Shalini Pangarkar Prize	Highest CGPA in B. Tech. Mechanical Engg
17	Late Dr. V.M. Pangarkar Prize	Highest CGPA in B.Arch.
18	Late Shri B.M. Gupta Prize	Highest CGPA in M. Tech. Industrial Engg. Program

SN	Award	Criteria
19	Late Prof. M.S. Joshi Gold Medal	Highest CGPA in B. Tech. Civil Engg
20	In Memory of Gold Medal Ms. Madhur Dahake	Highest CGPA amongst Girl Candidates in B. Tech. Electronics & Communication Engg.
21	Late Dr. M.K. Joshi Prize	Highest CGPA in B. Tech. Metallurgical & Materials Engg.
22	Akhilesh Gedam Memorial Prize	Highest CGPA in B. Tech. Electronics & Communication Engg.
23	Prof. S. D. Adane Gold Medal	Highest CGPA in B. Arch.
24	In memory of Dr A G Paithankar prize	Highest CGPA amongst all disciplines of B. Tech. program
25	Late Ms. Pratibha Bujade Gold Medal	Highest CGPA amongst girls from SC category in B. Tech .Program
26	Late Dr. V.N. Joshi Prize	Highest CGPA in B. Tech. Mechanical Engg
27	Ar. Bharat Yamsanwar Award	Highest CGPA in M. Tech Urban Planning Program.
28	Late Mahamahopadhyay Padmavibhushan Dr. V. V. Mirashi Gold Medal	Highest CGPA amongst all disciplines of B. Tech. program
29	Late Amol Krishnarao Kawadkar Medal	Highest CGPA in B. Tech. Civil Engg
30	Late Shri Hemant Karkare Prize	Highest CGPA in B. Tech. Mechanical Engg
31	Late Shri Parag Tijare Prize I /II	Highest CGPA (First/Second) in B.Tech. Computer Science Program.

SN	Award	Criteria
32	Late Shri A H Reddy Prize	Highest CGPA in B Tech Mining Engg
33	Late Shri Sadiq Vali Gold Medal	Highest CGPA in B Tech Civil Engg
34	Late Dr P R Bhave Prize	Highest Marks in course Water Distribution in Systems B Tech Civil Engg
35	Dr. S. C. Singhal Gold Medal	Highest Marks in course Mine Planning in B Tech Mining Engg

List of student awardees excelled in their studies and completed program with highest CGPA / excelled in respective course in the year 2012-13.

These awards were given to students at the Convocation Function of the institute

B.Tech. / B.Arch. Program

S N	Student	Award	Criterion	CGPA/ SGPA
1	Divyesh Satishkumar Dixit ID-10564 BT09ECE040	Sir Visvesvaraya Medal (1)	Highest CGPA amongst all disciplines of B.Tech. program	9.83
		Late Shri N.G. Joshi Prize	Highest CGPA amongst all disciplines of B.Tech. program	
		Late Dr. A.G. Paithankar Medal	Highest CGPA amongst all disciplines of B.Tech. program	

S N	Student	Award	Criterion	CGPA/ SGPA
		Late Mahamahopadhyay Padmavibhushan Dr. V.V. Mirashi Gold Medal	Highest CGPA amongst all disciplines of B.Tech. program	
		Academic Excellence Prize	Highest CGPA in B.Tech. Electronics & Comm. Engg.	
		Akhilesh Gedam Memorial Prize	Highest CGPA in B.Tech. Electronics & Comm. Engg.	
2	Srujan Singh ID-10796 BT09CHE060	Institute Medal	Highest CGPA in B.Tech. Chemical Engg	9.58
		Academic Excellence Prize	Highest CGPA in B.Tech. Chemical Engg	
3	Ankur Mathur ID-10379 BT09CIV016	Institute Medal	Highest CGPA in B.Tech. Civil Engg	9.47
		Academic Excellence Prize	Highest CGPA in B.Tech. Civil Engg	
		Watwe Education Trust Prize	Highest CGPA in B.Tech. Civil Engg.	
		Late Shri Vishnu Diwakar Alias Bhausaheb Gijre Prize	Highest CGPA in B.Tech. Civil Engg	

S N	Student	Award	Criterion	CGPA/ SGPA
		P.J. Sahastrabudhe Memorial Prize	Highest CGPA in B.Tech. Civil Engg	
		Late Shri C.T. Gharpure Prize	Highest CGPA in B.Tech. Civil Engg	
		Late Prof. M.S. Joshi Gold Medal	Highest CGPA in B.Tech. Civil Engg	
		Late Amol Krishnarao Kawadakar Medal	Highest CGPA in B.Tech. Civil Engg.	
		Late Shri Sadik Vali Gold Medal (8)	Topper Candidate of B. Tech. Civil Engg.	
4	Paranjoy Kumar Biswas ID-10685; BT09CIV061	Late Shri P.R. Bhave Prize	Highest Marks in Water Distribution Systems (CEL414)	94
5	Chavan Ashwini Gajanan ID-10533; BT09EEE002	Late Ms. Pratibha Bujade Gold Medal (ECE Branch) (SC)	*Highest CGPA amongst Girls from SC/ST category in B.Tech. Civil Engg. Programme (If not available in this criteria then SC/ST category girl candidate From all over branches)	8.52
6	Ankit Suresh Singhaniya ID-10420; BT09CSE021	Institute Medal	Highest CGPA in B.Tech. Computer Science Engg.	9.69

S N	Student	Award	Criterion	CGPA/ SGPA
		Academic Excellence Prize	Highest CGPA in B.Tech. Computer Science Engg.	
		Late Shri Parag Tijare First Prize	Highest CGPA in B.Tech. Computer Science Engg.	
7	Gohil Jitendra Pratapbhai ID-10442; BT09CSE037	Late Shri Parag Tijare Second Prize	2 nd Highest CGPA in B.Tech. Computer Science Engg.	9.56
8	Bachu Ramesh ID-10510; BT09EEE027	Institute Medal	Highest CGPA in B.Tech. Electrical & Electronics Engg.	9.31
		Academic Excellence Prize	Highest CGPA in B.Tech. Electrical & Electronics Engg.	
		Late Shri L. G. Sane Prize	Highest CGPA in B.Tech. Electrical & Electronics Engg.	
		Watwe Education Trust Prize	Highest CGPA in B.Tech. Electrical & Electronics Engg.	

S N	Student	Award	Criterion	CGPA/ SGPA
9	Lathi Vaishali Vijaykumar ID-0435; BT09ECE005	In memory of Ms. Madhur Dahake Gold Medal	Highest CGPA amongst Girl Candidates in B.Tech Electronics & Communication Engg.	9.73
10.	Vineet Premakumaran Nair ID-10366; BT09MEC078	Institute Medal	Highest CGPA in B.Tech. Mechanical Engg.	9.57
		Academic Excellence prize	Highest CGPA in B.Tech. Mechanical Engg.	
		Watwe Education Trust Prize	Highest CGPA in B.Tech. Mechanical Engg.	
		Shri Hemant Karkare Memorial Prize	Highest CGPA in B.Tech. Mechanical Engg	
		Late Smt. Shalini Pangarkar Prize	Highest CGPA in B.Tech. Mechanical Engg.	
		Late Dr. V.N. Joshi Prize	Highest CGPA in B.Tech. Mechanical Engg	
11	Vishal Nandkumar Dhikale ID-0645; BT09MEC079	Late Shri J.M. Gawande Prize	Highest CGPA amongst Candidates from OBC category in B.Tech. Mechanical Engg.	8.93

S N	Student	Award	Criterion	CGPA/ SGP
12.	Awaghade Hrushikesh Tanaji ID-10761 BT09MIN004	Institute Medal	Highest CGPA in B.Tech. Mining Engg.	8.59
		Academic Excellence Prize	Highest CGPA in B.Tech. Mining Engg.	
		Shri Prashant Palamkar Memorial Prize	Highest CGPA in B.Tech. Mining Engg.	
		Late Shri A. H. Reddy Prize	Highest CGPA in B.Tech. Mining Engg	
	Abhimanyu Day ID-11181;B T09MIN001	Dr Suresh C. Singhal Gold Medal	Highest Score in course Mine Planning of B.Tech. Mining Engg	77
13.	Ashish Ajit Kulkarni ID-10687 BT09MME020	Institute Medal	Highest CGPA in B.Tech. Met. & Materials Engg.	9.21
		Academic Excellence Prize	Highest CGPA in B.Tech. Met. & Materials Engg.	
		Late Dr. M.K. Joshi Prize	Highest CGPA in B.Tech. Met. & Materials Engg.	

S N	Student	Award	Criterion	CGPA/ SGP
14.	Dongaonkar Nikhil Shashikant ID-9477 BA08ARC014	Institute Medal	Highest CGPA B. Arch.	9.09
		Academic Excellence Prize	Highest CGPA in B. Arch.	
		Prof. S. D. Adane Gold Medal	Highest CGPA in B. Arch.	
		Late Dr. V. M. Pangarkar Prize	Highest CGPA in B. Arch.	
15.	Dhuey Aishwarya Chandrashekhar ID-9476 BA08ARC013	Poornima Prize	Highest SPI by girl student in Final year B. Arch (Part-II) Exam Summer 2013	8.66

M.Tech. Program

S N	Student	Award	Criterion	CGPA
1	Viral Kushal Jain ID-3682; MT11SDE006	Academic Excellence Prize	Highest CGPA in M.Tech. Structural Dynamics & Earthquake Engg. Program	8.57
2	Kulkarni Shruti N. ID-3689; MT11STR001	Academic Excellence Prize	Highest CGPA in M.Tech. Structural Engg. Program	9.00
		Dr. S.S. Kulkarni Prize	Highest CGPA in M.Tech. Structural Engg. Program	
3	Marimuthu K. ID-3530; MT11CTM013	Academic Excellence Prize	Highest CGPA in M.Tech. Construction Technology & Management Program	9.70
4	Thoudam Rubina Devi ID-3719; MT11ENV006	Academic Excellence Prize	Highest CGPA in M.Tech. Environmental Engg. Program	9.77
		Shri Bhide Memorial Prize	Highest CGPA in M.Tech. Environmental Engg. Program	
		Purna Award I	Highest CGPA in M.Tech. Environmental Engg. Program	

S N	Student	Award	Criterion	CGPA
5	Kakwani Nikita Sunil ID-3729; MT11ENV008	Purna Award II	For securing 2 nd Highest CGPA in M. Tech. Environmental Engg. Program	9.58
6	Aneesha Ventrapragada ID-3598; MT11MCS002	Academic Excellence Prize	Highest CGPA in M. Tech. Computer Science Program	9.52
7	Ramesh Kumar Jha ID-13496; MT11IP5002	Academic Excellence Prize	Highest CGPA in M. Tech. Integrated Power Systems Program	8.79
8	Praful Vijay Nandankar ID-13654; MT11PED001	Academic Excellence Prize	Highest CGPA in M. Tech. Power Electronics & Drives Program	9.85
9	Shirish Pandharinath Gite ID-13748; MT11MVD001	Academic Excellence Prize	Highest CGPA in M. Tech. VLSI Design Program	9.48
10	Sapkal Pranav S. ID-13517; MT11CDM004	Academic Excellence Prize	Highest CGPA in M. Tech. CAD-CAM Program	8.60

S N	Student	Award	Criterion	CGPA
11	Vandita Thantharate ID-13512; MT11HPE015	Academic Excellence Prize	Highest CGPA in M.Tech. Heat Power Engg. Program	9.40
12	T Pradumna Pasupuleti ID-13585; MT11IND009	Academic Excellence Prize	Highest CGPA in M.Tech. Industrial Engg. Program	9.58
		Late Shri B.M. Gupta Prize	Highest CGPA in M.Tech. Industrial Engg. Program	
13	Amit Kumar ID-13634; MT11MTE014	Academic Excellence Prize Materials Engg.	Highest CGPA in M.Tech. Program	9.38
14	Agwan Valdehe Vivek ID-13722; MT11UPL004	Academic Excellence Prize	Highest CGPA in M.Tech. Urban Planning Program	9.13
		Ar. Bharat Yamsanwar Award	Highest CGPA in M.Tech. Urban Planning Program	

Awards to students who have excelled in their pre final year studies of respective branch in the year 2012-13.

These awards were given to students at the Republic Day Function of the institute

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
1	DIVAKARLA PAVANA SINDHU	B Tech Chemical Engineering	BT10CHE031	Academic Excellence Prize	Best performance in 3 rd year (Odd & Even Sem performance together)
				Dr. V.M. Dokras Felicitation Committee Prize	
2	RAVULURI SAHITHI	B Tech Chemical Engineering	BT11CHE063	Academic Excellence Prize	Best performance in 2 nd year (Odd & Even Sem performance together)
3	INUMULA SAI PRANAV	B Tech Civil Engineering	BT09CIV037	Dr S S Amin Prize	Highest Marks Course - Advanced Structural Analysis of B.Tech Civil Engg Program
4	AKHIL KUMAR SHIVHARE	B Tech Civil Engineering	BT10CIV004	Academic Excellence Prize	Best performance in 3 rd year (Odd & Eve Sem performance together)
				Dr. V.M. Dokras Felicitation Committee Prize	
				Late Dr. M.M. Inamdar Prize	Highest Marks Course - Concrete Engineering of B.Tech. Civil Engg.

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
5	JAYNEE JHAVERI	B Tech Civil Engineering	BT10CIV032	Dr. P.K. Godbole Prize	Highest Marks Course Design of RCC Structures of B.Tech Civil Engg.
6	JUNGHARE VIPULA BABAN	B Tech Civil Engineering	BT10CIV034	Dr. M. M. Basole Prize	Highest Marks Course - Structural Analysis of B.Tech. Civil Engg.
				Dr. P.K. Godbole Prize	Highest Marks Course Design of RCC Structures of B.Tech Civil Engg.
7	DHRUV CHAWLA	B Tech Civil Engineering	BT11CIV015	Academic Excellence Prize	Best performance in 2 nd year (Odd & Even Sem performance together)
8	MANAQIBWALA IDRIS MUSTAFA	B Tech Civil Engineering	BT12CIV043	Late Shri V.Narsimha Raidu Prize	Highest Marks Course - Chemistry at 1 st year of B.Tech. Program
9	KAUSHIK RAJU	B Tech Computer Science Engineering	BT10CSE044	Academic Excellence Prize	Best performance - 3 rd year (Odd & Even Sem performance together)
				Dr. V.M. Dokras Felicitation Committee Prize	
10	NIKHITA VEDULA	B Tech Computer Science Engineering	BT11CSE061	Academic Excellence Prize	Best performance - 2 nd year (Odd & Even Sem performance together)

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
11	TEJASI VINAYAK LATKAR	B Tech Computer Science Engineering	BT12CSE082	Academic Excellence Prize	Best performance - 1 st yr of B Tech (amongst all programs)
12	SHAIKH MOHAMMED DANISH	B Tech Computer Science Engineering	BT12CSE072	Dr. S. G. Ghangrekar Prize	Highest Marks Course - Mathematics at B.Tech Program (1st / 2nd sem)
13	ARATHI P	B Tech Electrical Engineering	BT10EEE006	Academic Excellence Prize	Best performance - 3 rd year (Odd & Even Sem performance together)
				Dr. V.M. Dokras Felicitation Committee Prize	
				Shri S.P. Damle Prize	
14	PUNDLIK GAURAV GIRISH	B Tech Electrical Engineering	BT11EEE022	Academic Excellence Prize	Best performance - 2 nd year (Odd & Even Sem performance together)
15	BHARADE ASHWINI DILIP	B Tech Electronics & Communication Engineering	BT10ECE022	Academic Excellence Prize	Best performance - 3 rd year of in all B.Tech (Odd & Even Sem performance together)
				Dr. V.M. Dokras Felicitation Committee Prize	

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
				Shri H.V. Bedekar Prize	Best performance - 3rd year of B Tech ECE (Odd & Even Sem performance together)
				Late Raobahadur Sardesai Prize	
16	GUPTA SANTOSH ATMARAM	B.Tech. Electronics & Communication Engineering	BT11ECE020	Academic Excellence Prize	Best performance - 2 nd year (Odd & Even Sem performance together)
17	MITTAL VIKAS VIMAL	B.Tech. Mechanical Engineering	BT10MEC037	Academic Excellence Prize	Best performance - 3 rd year (Odd & Even Sem performance together)
				Dr. V.M. Dokras Felicitation Committee Prize	
				Late Arbind Biswas Prize	
18	PATEL CHITVAN KIRIT	B.Tech. Mechanical Engineering	BT11MEC024	Academic Excellence Prize	Best performance - 2 nd year (Odd & Even Sem performance together)
19	GHIRNIKAR TEJAS ANIRUDDHA	B.Tech. Mining Engineering	BT10MIN006	Academic Excellence Prize	Best performance - 3 rd year (Odd & Even Sem performance together)

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
				Dr. V.M. Dokras Felicitation Committee Prize	
20	SARANG GOTMARE	B Tech Mining Engineering	BT11MIN026	Academic Excellence Prize	Best performance - 2nd year (Odd & Even Sem performance together)
21	BHANSALI ABHISHEK ARVIND	B Tech Metallurgical & Materials Engineering	BT10MME018	Academic Excellence Prize	Best performance - 3 rd year (Odd & Even Sem performance together)
				Dr. V.M. Dokras Felicitation Committee Prize	
				Late Dr. M.K. Joshi Prize	
22	SANJEEV T PATIL	B Tech Metallurgical & Materials Engineering	BT11MME063	Academic Excellence Prize	Best performance - 2 nd year (Odd & Even Sem performance together)
				Late Dr. M.S. Jakkiwar Memorial Prize	
23	CHIDDARWAR PRUTHA KISHOR	B Arch.	BA09ARC011	Academic Excellence Prize	Best performance - 4th year of B Arch (Odd & Even Sem performance together)

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
				Ar. Bharat Yemsanwar Award	Highest Marks Course - Architectural Design VIII of B. Arch Program
				Architecture Design Awards in the Memory of Late Prof. M.W. Indapawar	Highest Marks Course - Design Studio of B.Arch. Program
24	KUBAL PRATHAMESH MAHADEV	B Arch	BA10ARC030	Academic Excellence Prize	Best performance - 3 rd year (Odd & Even Sem performance together)
				Shri Sheodanmal Prize	
				Dr. V.M. Dokras Felicitation Committee Prize	
25	SURABHI SHAKKARWAR	B Arch	BA11ARC052	Academic Excellence Prize	Best performance - 2nd year (Odd & Even Sem performance together)
26	MOHIT CHHAJER	B Arch	BA11ARC029	Shri Narendra Jaiswal Memorial Prize	Highest Marks Course - History of Architecture III of B.Arch.
27	PRANTAR MAHANTA TAMULI	B Arch	BA12ARC040	Academic Excellence Prize	Best performance - 1st year (Odd & Even Sem performance together) of B Arch

S N	Student Name	Branch	Enrol No	Award / Prize	Criterion
28	RASANE NITIN KESHAVERAO	M.Tech. Structural Engineering	MT12STR014	Dr. M.M. Basole Prize instituted by Mr. M.A. Katarmal	Best performance - 1 st year (1 st and 2 nd Sem taken together)
				Dr. P.N. Godbole Prize	Highest Marks Course - Finite Element Method of M.Tech. Structural Engg.
29	ANU BABY	M.Tech. Environ- mental Engineering	MT12ENV002	Late Dr P R Bhawe Prize	Highest Marks Course - Environmental Engineering Systems Optimization of M.Tech. Environmental Program

4.9 Examination Details

SN	Program	No. Awarded		
		M	F	T
	(A) Under Graduate - B.Tech. / B.Arch.			
1	Architecture	20	24	44
2	Chemical Engineering	52	15	67
3	Civil Engineering	69	11	80
4	Computer Science Engineering	55	12	67
5	Electronics and Communication Engineering	67	20	87
6	Electrical and Electronics Engineering	74	15	89
7	Mechanical Engineering	72	05	77
8	Metallurgical and Materials Engineering	49	13	62

SN	Program	No. Awarded		
		M	F	T
9	Mining Engineering	9	0	9
	Total	467	115	582
	(B) Post Graduate - M.Tech.			
1	Environmental Engineering	5	10	15
2	Construction Technology & Management	18	02	20
3	VLSI Design	20	0	20
4	Computer Science Engineering	15	03	18
5	Industrial Engineering	16	0	16
6	Heat Power Engineering	19	1	20
7	CAD-CAM	12	1	13
8	Integrated Power System	14	1	15
9	Power Electronics & Drives	15	3	18
10	Materials Engineering	15	1	16
11	Structural Dynamics and Earthquake Engineering	11	1	12
12	Structural Engineering	13	2	15
13	Urban Planning	4	6	10
	Total	177	31	208
	(C) M.Tech. / B.Arch. by Research			
1	Electronics Engineering	1	0	1
2	Mechanical Engineering	1	0	1
	Total	2	0	2

SN	Program	No. Awarded		
		M	F	T
	(D) Ph.D. (Part Time / Full Time)			
1	Physics	0	1	1
2	Mathematics	1	0	1
3	Applied Mechanics	2	0	2
4	Civil Engineering	3	1	4
5	Electrical Engineering	1	1	2
6	Mechanical Engineering	3	0	3
7	Mining Engineering	0	0	0
8	Metallurgical and Materials Engineering	2	2	4
	Total	12	5	17
	Grand Total	658	151	809

4.10 Training & Placement

a): Optional Training General information

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

Institute Arranged Training

Training seats received for Summer Vacation 2013-2014 are summarized below:

Discipline	No. of Industries who offered Training Seats	No. of Seats received
Civil Engineering	02	11
Mechanical Engineering	03	09
Electrical Engineering	03	07
Chemical Engineering	01	01
Electronics Engineering	01	01
Computer Science Engineering	--	--
Metallurgy Engineering	01	01
Mining Engineering	07	72
Total	12	102

• Self Arranged Training

No. of students applied for Winter Vacation Training - : 250

No. of students applied for Summer Vacation Training - : 350

Paid Internship

Seven 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	Goldman Sachs Services Pvt. Ltd.	04
2	Amazon	04
3	L & T ECC	10
4	Tata Steel Ltd.	02
5	Vaultize Technologies	04
6	P Manifold	03
7	Finisar Malaysia Sdn Bhd.	02
8	Godrej	02
9	UPL	03
10	Talentica Soft	01
11	Infocepts	09
12	Nvidia	02
13	Cummins	03
	Total	49

4.10 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 and winter vacation.

ii) Architecture Course

The students of fourth year Architecture & Planning Course have to undergo a compulsory training for a period of 6 months towards the end of 4th year. On successful

completion of the training, the students carry out a project of 6 months duration in the Institute under the guidance of the faculty at the Department.

4.10.c): Training of M.Tech. Students

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

4.10.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. A job with cost to company (CTC) less than 6 lacs per annum is considered to be normal job while a job with CTC more than and including 6 lacs per annum is considered to be dream job. Students having a normal job can apply for a dream job also. Students selected for a dream job are not eligible to apply for any job after selection.

4.10.e): Activities of Placement Department

- Collection and maintenance of database of final year students who register with T & P department.
- Liaisoning with industries for placement of students.
- Scheduling and organizing the campus interviews.

Arranged Placement Preparation Workshop to guide the students for improving their communication skills.

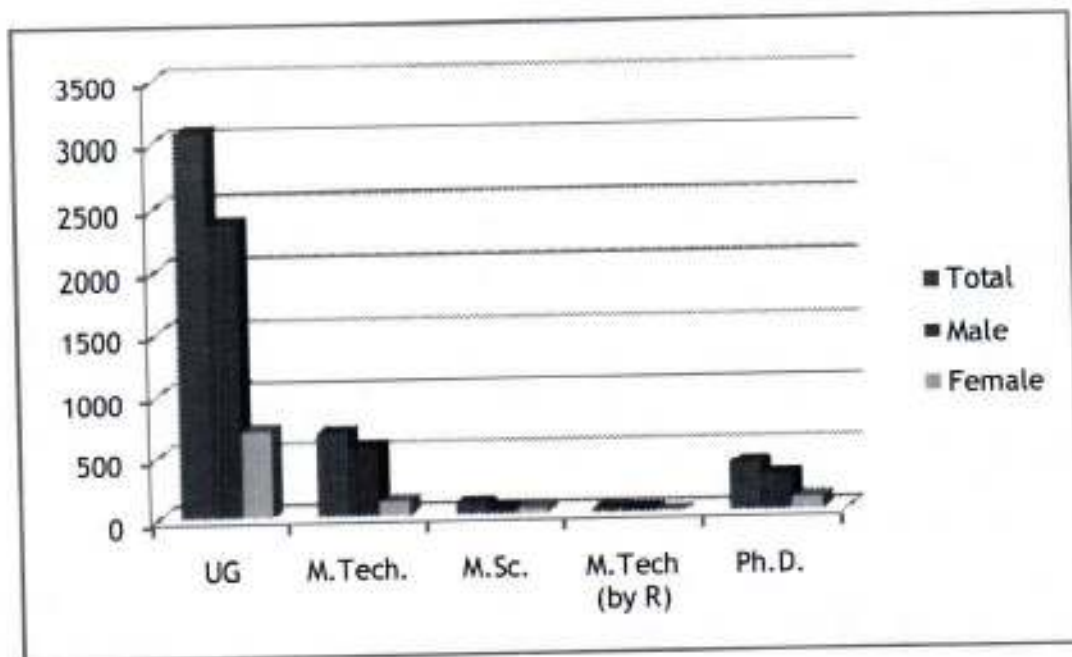


Fig. 4.2 A Course wise enrolment with gender breakup

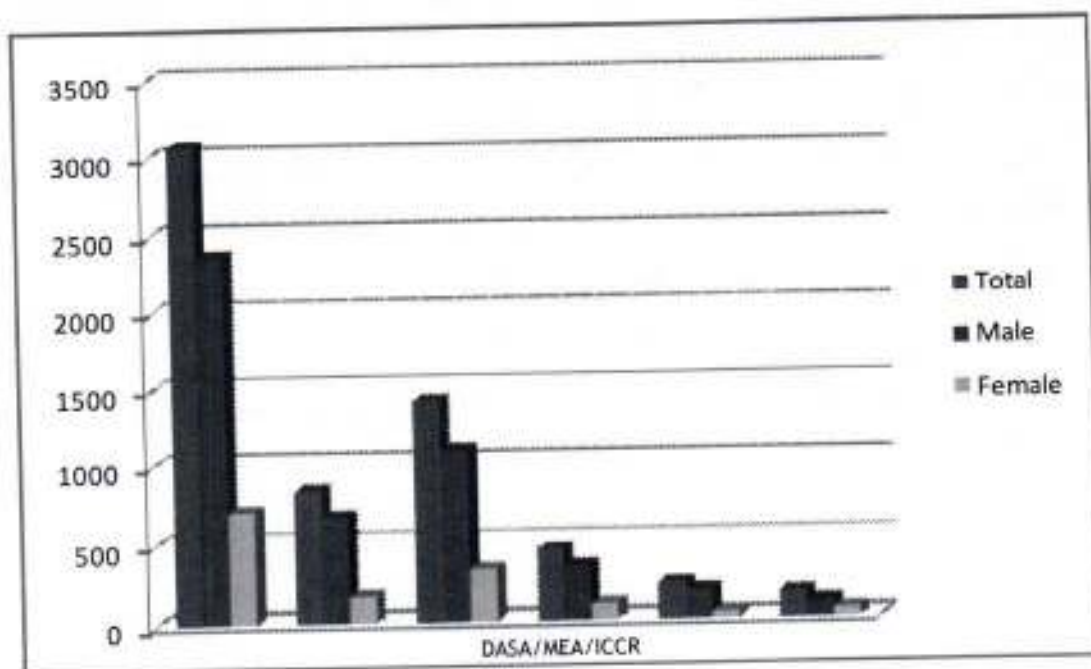


Fig. 4.2 B Category wise UG (B.Arch./B.Tech.) Students distribution

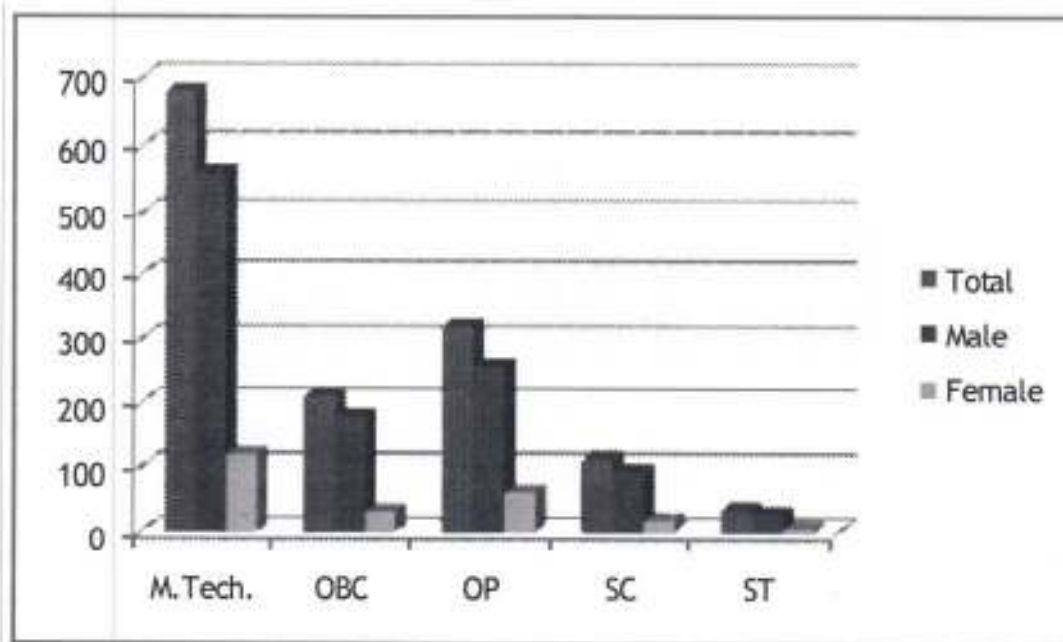


Fig. 4.2 C Catagory wise PG (M.Tech.) Students distribution

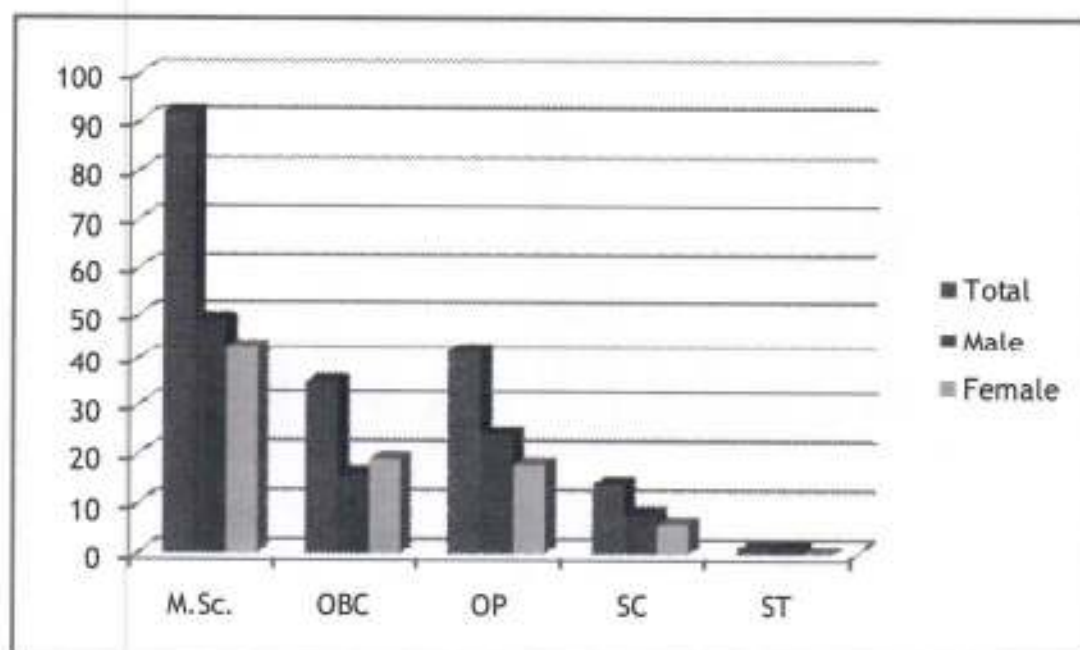
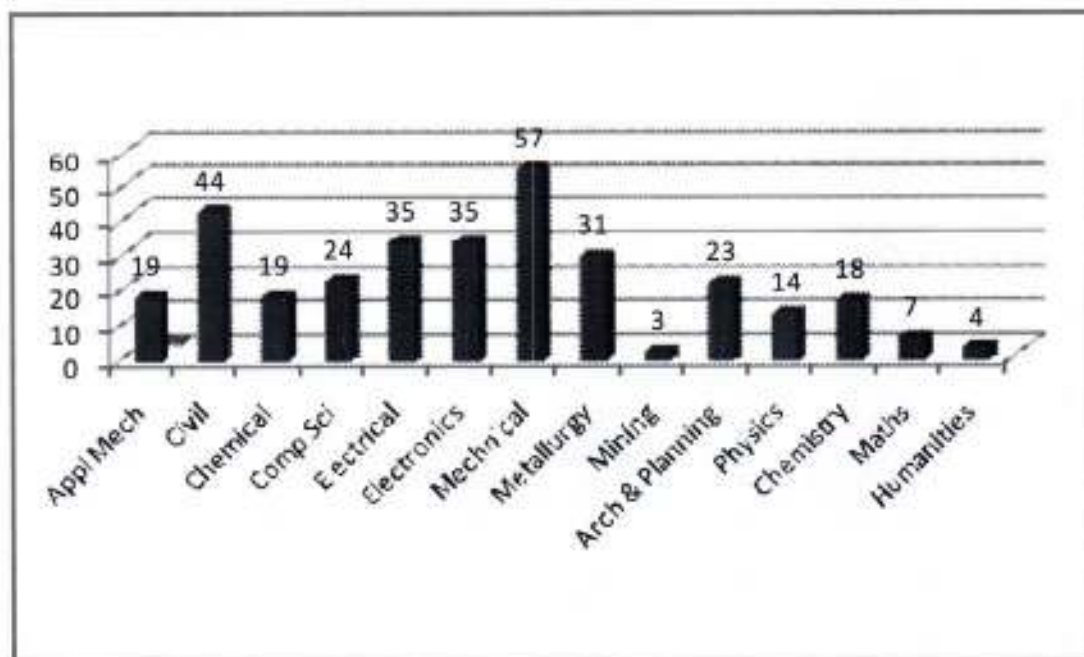
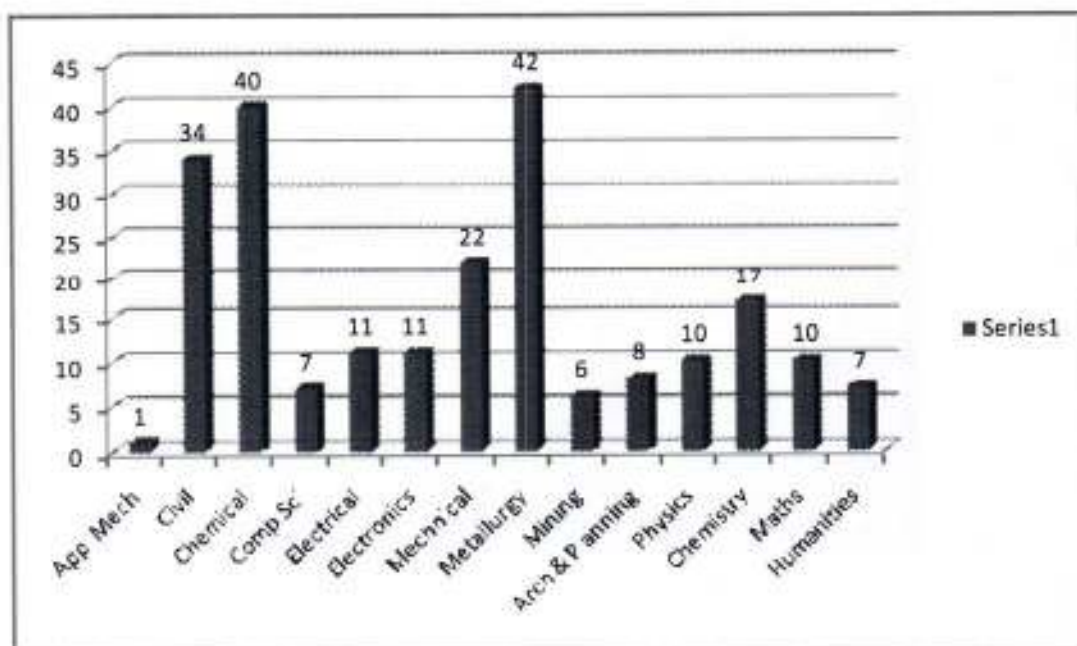


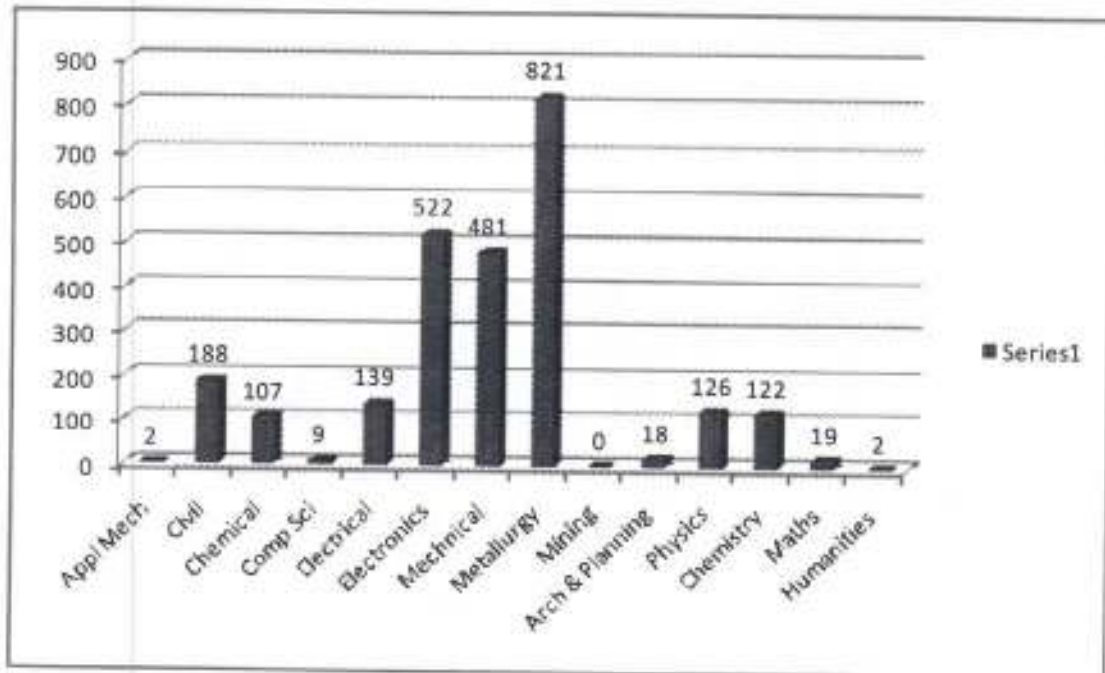
Fig. 4.2 D Catagory wise PG (M.Sc.) Students distribution



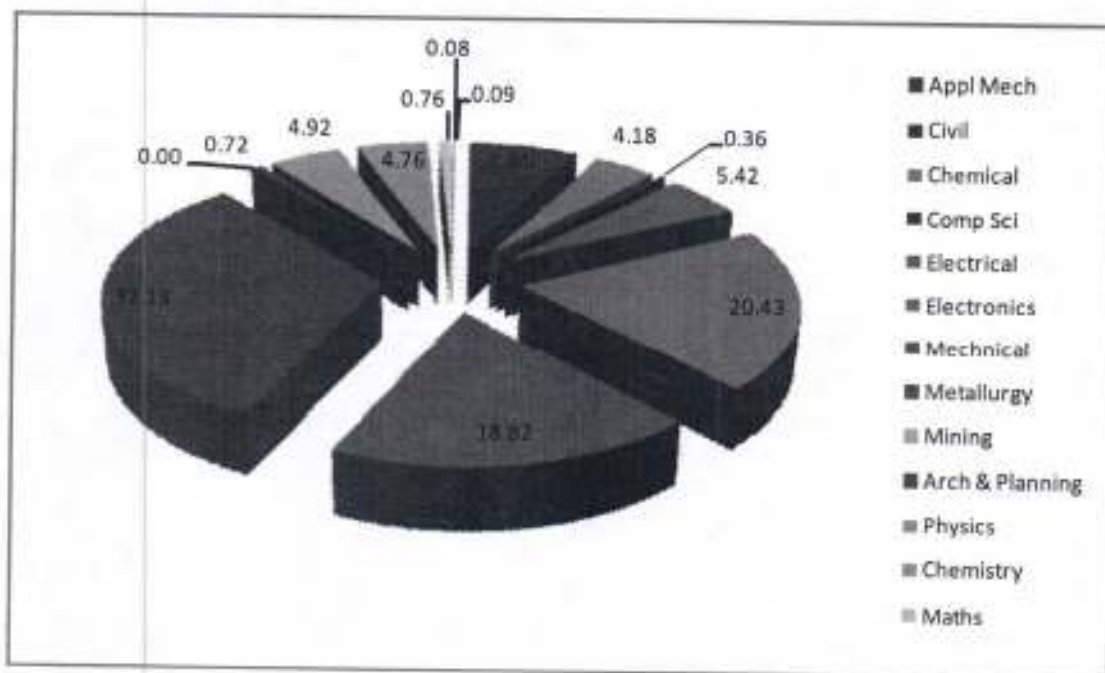
Ongoing Ph.D.



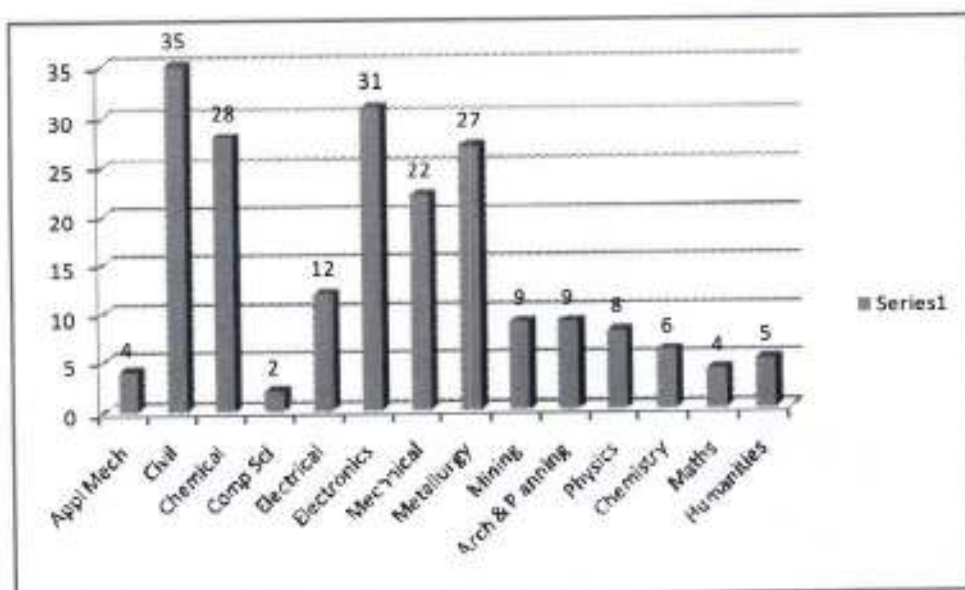
Research Publication Journal



Research and Development



Research and Development



Research Publications Conferences





5. Research and Consultancy

5.1 Ongoing Ph.D. Programmes

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
Applied Mechanics Department				
1.	Investigation into Structural Steel semi rigid connection	Arvind Vyavahare	L. M. Gupta	July 2010
2.	Study of Structural Properties of Gadhi Soil	Vijay Kondekar	O. R. Jaiswal & L. M. Gupta	Jan 2008
3.	Behavior of various Layouts of Grid Type Staging for Elevated Water Tanks	Abhay Khandeshe	R. K. Ingle	July 2009
4.	Study of Retaining Wall under Dynamic Loading	Mayuri Chandak	M. M. Mahajan	July 2009
5.	Behavior of Web Tapered Built up Sections as Beam column Member in Pre-Engineering Buildings	Ramesh Megharajani	R. K. Ingle	July 2009
6.	Study of steel Angle Section Subjected to Compression	Jyoti Bhilave	L. M. Gupta	July 2010

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
7.	Analysis of Seismic Pounding in Adjacent Structures	Nilesh Mate	SV Bakre & OR Jaiswal	July 2010
8.	An Investigation into Blast Induced Effect on Structures	R. V. R. Prasad	R. K. Ingle	July 2010
9.	Behavior of Flat slab Under Static and Dynamic Loadings	Sanjay Borghate	R. K. Ingle	July 2010
10.	Study into Effects of Secondary Stresses in Large Capacity Water Tank	Virendra Dehadrai	R. K. Ingle	July 2010
11.	Buckling Analysis of pre-stressed steel Beam	Ashish Khatri	L. M. Gupta	Jan 2011
12.	Critical Study of Design of Member subjected to Bending	Samadhan Morkhade	L. M. Gupta	Jan 2012
13.	Use of Artificial Intelligence in Wind Analysis of Structures	Suyog Dhote	Dr O R Jaiswal Dr P N Godbole	July 2013
14.	Tuned Mass Dampers for Vibration control	Vikas Thakur	Dr O R Jaiswal	July 2013
15.	Supplemental Devices Of Seismic Response Control of Buildings	Atulkumar Manchalwar	SV Bakre	July 2013
16.	Seismic Behaviour of	Kanak N. Parate	Dr. Ratnesh	July 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
17.	Sloshing Behaviour under Seismic Loading	Suraj Lakhade	Dr. O. R. Jaiswal, Dr. Ratnesh Kumar	July 2013
18.	Behavior of elevated water tank	Vinodkumar R Nagpure	Dr. (Ms.) Debarati Datta	July 2013
19.	Behaviour of Steel Members under Cyclic Loading	Sanjay U. Marjive	Dr. Ratnesh Kumar Dr. L. M. Gupta	Jan 2014

Chemical Engineering Department

1.	Study on separation of carboxylic acid	Mangesh Waghmare Dr. S. S. Sonawane	Dr. K. L. Wasewar	July 2010
2.	Study on drying of food material	Waheed Deshmukh	Dr. K. L. Wasewar Dr. M. N. Varma	July 2010
3.	Study on application of supercritical fluids	Saket Ajmire	Dr. M. N. Varma Dr. K. L. Wasewar	July 2010
4.	Development and Characterization of Micro/Nano Biopesticide	Sonalí Hiwarkar	Dr. S. A. Mandavgane	July 2010
5.	Desulfurization of liquid fuels using ionic liquids	Swapnil Dharaskar	Dr. K. L. Wasewar Dr. M. N. Varma	July 2011
6.	Study of fermentation and separation of carboxylic acids	Kanti Kumar	Dr. K. L. Wasewar Dr. M. N. Varma	July 2011
7.	Separation and Nanotechnology	Ghanshyam Barman	Dr. K. L. Wasewar	Jan. 2012
8.	Studies on removal of selected carboxylic acid from aqueous solution using appropriate agro-based Materials	Pranav D Pathak	Dr. S. A. Mandavgane	Jan. 2012

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
9.	Studies on the removal of Selected pesticides from aqueous solution using appropriate agro based materials	Sunil K. Deokar	Dr. S. A. Mandavgane	Jan. 2012
10.	Polymer Nanocomposites	Ghanshyam Barman	Dr.S.S.Sonawane Dr.K.L.Wasewar	Jan. 2012
11.	Study on Biofuel Production	Abhijit Gadhe Dr.M.N.Varma	Dr.S.S.Sonawane	Jan. 2012
12.	Study on Supercritical fluid Extraction	Antaram Sarve	Dr.M.N.Varma Dr.S.S.Sonawane	Jan. 2012
13.	Polycarbonate Nanocoposites	Sarita Charde	Dr.S.S.Sonawane	Jan. 2013
14.	Reactor design and process development for energy recovery from used plastics	Ganesh Shankarrao Bajad	Dr. Vijayakumar R. P.	Jan. 2013
15.	Biomass Gasification	Ruta Khonde	A. S. Chaurasia	Jan. 2013
16.	Separation Technology	Nikhilesh S Trivedi	Dr. S. A. Mandavgane	July 2013
17.	Computational Approaches In Advance Drug Delivery	Chandrakant Khudsange	Dr. K. L. Wasewar	July 2013
18.	Wastewater Treatment by Nanotechnology	Sapana Madan	Dr. K. L. Wasewar	July 2013
19.	CO ₂ sequestration	Pooja Jaiswal	Dr. M.N. Varma	July 2013
Chemistry Department				
1.	Structure and Properties of Polytrimethylene Terphthalate (PTT) Blends	Shrikant Deo	S. N. Paul J. D. Ekhe	July 2008

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
2.	Synthesis & Characterization of high Conducting polymer-polypyrrole & their blends	V. V. Karambelkar	S. N. Paul	Jan 2008
3.	Isolation and Characterization of Value added products from industrial waste Lignin	R. A. Nandanwar (NU)	A. R. Chaudhari J. D. Ekhe	Oct 2010
4.	Thermochemical Modifications of Industrial waste Lignin and its Model compounds	Mr. Sunit Singh	J. D. Ekhe	July 2011
5.	Studies on Development of Heterogeneous Catalysts for the preparation of Biodiesel and Other applications.	Mr. Raju Dutta	J. D. Ekhe	July 2011
6.	Synthesis & characterization of Metal oxide nano particles for photocatalytic & Photoluminescent Applications	Ms. Archana Charanprahari	S. S. Umare	July 2009
7.	Development of Biodegradable Polyester Based Polyester Urethane and Polyurethane Acrylates for Adhesive and Coating Applications	Mr. Ganesh Bhusari	Dr. S.S. Umare	July 2010

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
8.	Development of Titanium Oxide based catalysts for photocatalytic studies.	Mr.Sachin Ghugal	Dr. S.S. Umare	July, 2011
9.	Fabrication and Evaluation Of Potentiometric Sensor for some B Blockers in Human Serum	Mr. Kiran Kumar Tadi	Dr. (Mrs.) Ramani Motghare	July 2010
10.	Reinforcement of Rubber with the Interaction of Filler Generated in situ by sol-gel Process	Mr. Bharat P. Kapgate	Dr. Chayan Das	July 2010
11.	Studies of Some Elastomeric Composites with Non-black Filler	Mr. Naresh Bansod	Dr. Chayan Das	July 2012
12.	Studies on Development of Electrochemical Sensor for Atenolol and Nadolol	Mr. Rakesh R. Chillawar	Dr. (Mrs.) Ramani Motghare	July 2012
13.	Environmental remediation (Tentative)	G. Archana	Dr.(Mrs.) Anupama Kumar Dr.(Mrs.) Rita S. Dhodapkar	Jan 2013
14.	"Physicochemical Characterization, protein and DNA binding of some potential bioactive compounds"	Mr. Himank Kumar	Dr. Sujit Kumar Ghosh/ Dr. Anjan Chattapadhyay	Jan 2013
15.	"Synthesis and Physicochemical characterization of potential bioinorganic compounds"	Mr. Manoj M. Jadhao	Dr. Sujit Kumar Ghosh / Dr. Chayan Das	Jan 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
16.	"Design, synthesis & Physicochemical studies of Potential therapeutic bio-organic compounds"	Ms. Ritika Sadanand Joshi	Dr. Sujit Kumar Ghosh / Dr.(Mrs.) Anupama Kumar	Jan 2013
17.	Molecularly imprinted Chitosan based adsorbent For the simultaneous Removal of organic and inorganic pollutants	Dipali C. Rahangdale	Dr. Anupama Kumar & Dr. Rita Dhodapkar	July, 2013
18.	Electrochemical studies for detection of Digoxin	Shirinaz I. Khan	Dr. Ramani Motghare	July, 2013

Civil Engineering Department

1.	Evaluation of performance Of Microbial Fuel Cell for treatment of organic waste and electricity harvesting.	Mr. S. V. Ambekar	Dr. V.A. Mhaisalkar and Dr. M. M. Ghangarekar	July, 2009
2.	Studies on Remediation of Soils Contaminated with Hazardous Waste	Mr. Sanjay Kumar Chaudhary	Dr. V.A. Mhaisalkar	July, 2009
3.	Development of Rational Approach for the Estimation of Methane from Wastewater Treatment Facilities for India	Mr. M. Kartik	Dr. V.A. Mhaisalkar	July, 2009
4.	Study of Node Flow Analysis for improved design of water distribution networks Using Genetic Algorithm	M AH Abdy Sayyed	Dr. Rajesh Gupta	July 2010

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
5.	Development of GIS based noise simulation software for urban environment	Ritesh Vijay	Dr. Rajesh Gupta and Dr. T. Chakraborty	July ,2007
6.	Study of methods for Location of Monitoring Stations in Water Distribution Networks with application to intermittent water supply systems	Shweta Rathi	Dr. Rajesh Gupta	July,2010
7.	Study of leakage reduction in water distribution systems through pressure management	R. D. Jadhav	Dr. Rajesh Gupta	July, 2011
8.	Experimental studies on flow characteristics of Convergent Stepped Spillways	Mr. P. J. Wadhai (NU)	Dr A D Ghare	July, 2008
9.	Development of flood risk management system using hybrid assessment approach	Ms. Madhuri S. Bhagat	Dr A D Ghare, Dr R V Ralegaonkar	July, 2009
10.	Model development for estimation of Reference Evapotranspiration	Mr. K. M. Bhartiya	Dr A D Ghare	July, 2010
11.	Estimation of discharge through Trapezoidal Agricultural Canal using Simple Cylindrical Flume	Mr. A. M. Badar	Dr A D Ghare	July, 2010

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
12.	Energy dissipation and soil erosion characteristics of Labyrinth Weirs	Mr. A. S. Pote	Dr A D Ghare	July, 2010
13.	Water hammer studies related to sizing of BPT	Mr. Nitin Sontake	Dr A D Ghare	Jan , 2012
14.	Assessment of suitability of overburden material transported through water medium for mine stowing	Mr. Leedhar Dhote	Dr A D Ghare, Dr R R Yerpude	Jan, 2012
15.	Relationship Between Urban outdoor Spaces and Thermal comfort	Vidya Ghuge	Dr. Rahul V Ralegaonkar Dr. Alka Bharat, NIT, Bhopal	July 2009
16.	Design Development of Flood Risk Management System Using Hybrid Assessment Approach	Madhuri Bhagat	Dr. Aniruddha D Ghare Dr. Rahul V Ralegaonkar	July 2009
17.	Design of Carbon Minus Educational Buildings using Hybrid Energy Approach	Vaidehi Dakwale	Dr. Rahul V Ralegaonkar	July 2010
18.	Development of Sustainable construction Material from Industrial Waste	Sanjay Raut	Dr. Rahul V Ralegaonkar Dr. Sachin A Mandavgane	July 2010
19.	Development of Sustainable Construction Material from Agricultural Waste	Mangesh Madurwar	Dr. Rahul V Ralegaonkar Dr. Sachin A Mandavgane	July 2011

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
20.	Integration of Sustainable Technologies for Enhancing Energy Efficiency of Residential Buildings	Rujuta Bapat	Dr. Rahul V Ralegaonkar Dr. V A Mhaisalkar	July 2011
21.	Impact Assessment of Built Environment on the occupants using LCA Approach.	Vishakha Sakhare	Dr. Rahul V Ralegaonkar	Jan 2013
22.	Numerical Analysis of Geotechnical Aspects of Underground Excavation	Ms. Tejas Bhatkar	A.Mandal	July-2013
23.	Study on Adsorptive Treatment of Fluoride from Aqueous Solution by using Low Cost Adsorbents	Mrs. Kalpana Singh	Dr. Dilip H. Lataye (Submitted)	July, 2009
24.	Electrochemical Treatment Of Sugar Mill Wastewater	Mr. Ravindrakumar P. Varhade	Dr. Dilip H. Lataye	July, 2009
25.	Design of Railway Station Elements	Mr. Kishore N. Joglekar	Dr. Dilip H. Lataye	July, 2010
26.	Removal of Fluoride From drinking water	Sanghratna S. Waghmare	Dr. Dilip H. Lataye	July, 2011
27.	Adsorptive Treatment of Dye Based Wastewater using Low Cost Adsorbent	Mr. Manoj L. Meshram	Dr. Dilip H. Lataye	July, 2012
28.	Studies on Removal on Heavy Metals from Water using Low Cost Adsorbents	Mr. Ramakant Ingole	Dr. Dilip H. Lataye	July, 2012

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
29.	Adsorptive treatment of dye bearing wastewater by wastewater by using low cost adsorbents	Ms. Trupti Balram Gupta	Dr. Dilip H. Lataye	July, 2013
30.	Topic to be finalised	Mr. Prashant T. Dhorabe	Dr. Dilip H. Lataye	July, 2013
31.	Design and Development of Efficient Up flow sand Filter for Water Treatment	V.D.Salkar Tembhurkar	Dr. A. R.	Jan. 2012
32.	Development of System for Transformation of Intermittent Water Supply to Continuous water Supply	K.S.Bhole	Dr. A. R. Tembhurkar & Dr S. V. Dahashastra	July, 2009
33.	Critical appraisal of Noise Pollution and its Abatement in Sensitive Area of Nagpur	Idris Ahmed	Dr. A. R. Tembhurkar	July, 2009
34.	Optimal Routing for Biomedical Waste collection	Radhika Deshpande	Dr. A. R. Tembhurkar	July, 2009
35.	Feasibility Studies on Solar Disinfection (SODIS) of Grey wastewater	Isha Khedikar	Dr. A. R. Tembhurkar	July, 2010
36.	Kinetic Studies for Adsorption of Arsenic Removal from water by Natural Adsorbent	Ashish Nashine	Dr. A. R. Tembhurkar	July, 2009
37.	Development of Decision Support System for Design of Rainwater	S. Bhandarkar	Y B Katpatal	July, 2009

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
38.	Harvesting Ponds for Sustainable Agriculture and Ground Water Recharge in Vertisols of Central India. Impact of climatic variability on the response of hydrologic unit using Satellite Remote Sensing and Geospatial data	R.V. Bothale	Y B Katpatal	Jan., 2010
39.	Groundwater budgeting in an urban Area using RS and GIS	Tausif Ansari	Y B Katpatal	July, 2011
40.	Spatial Correlation of Surface and subsurface hydrological parameters for Basin development	Sarang Paranjpe	Y.B. Katpatal	July, 2013
41.	Optimization in design of Hydraulic Structures	Balbir Singh Ruprai	A. D. Vasudeo	July, 2011
42.	Super Critical Flow measurement by cut throat Flumes	Shrikant Tekade	A. D. Vasudeo	July, 2012
43.	Hydraulic jump on porous media	Arpan Deshmukh	A. D. Vasudeo	Dec., 2012
44.	Some studies on the effect of fine content and the grain morphology On liquefaction potential of soils	Ashish Aswinkumar Mehta	Anjan Patel	Jan, 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
Computer Science & Engineering Department				
1.	Information Mining in Microwray Gene Expression Analysis	Mrs. Sheetal A. Raut	Dr. S. R. Sathe	01-07-2009
2.	Parallelization Of Cryptographic algorithm using CUDA	Jitendra V. Tembhurne (FT)	Dr. S. R. Sathe	01-01-2012
3.	Parallelization of Algorithms	Tausif Diwan	Dr. S. R. Sathe	01-01-2012
4.	Area Parallel Computing	Mrs. Madhuri R. Pimple	Dr. S. R. Sathe	July 2013
5.	Area Parallel Processing	Mr. Shailendra W. Shende	Dr. S. R. Sathe	July 2013
6.	Studies in Performance Improvement of Real Coded Genetic Algorithms and Their Applications	Shri A. S. Mokhade	Dr. O. G. Kakde	15/01/ 2008
7.	Modeling & Evaluation of Adhoc Networks	Mr. Ashish Tiwari	Dr. O. G. Kakde	01/07/ 2009
8.	Issues in Sensor Networks	Mrs. Padma Adane	Dr. O. G. Kakde	01/01/ 2012
9.	Graph Mining	Abhiram Gandhe	Dr. P. S. Deshpande	01/07/ 2009
10.	Modeling & Implementing Subtle Aspect of Graph Mining	Mrs. M. M. Dhabu	Dr. P. S. Deshpande	01/07/ 2009
11.	Software Architecture & Data Analysis	Mr. Abhijeet Thakre	Dr. P.S. Deshpande	01/01/2013
12.	Building Data Mining Model for Indian Economy	Ms. Swati Hira (FT)	Dr. P. S. Deshpande	01/01/ 2012

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
13.	Multivariate Analysis and its application to data Mining	Mr. Narsimha Reddy (FT)	Dr. P.S. Deshpande	01/07/2012
14.	Graph Mining Algorithms Development & Applications	Mr. Atul Onkarrao Thakare (FT)	Dr. P.S. Deshpande	01/01/2013
15.	Genetic Algorithm for Network Flow Analysis	Ms. Anita Bai (FT)	Dr. P.S. Deshpande	01/01/2014
16.	Distributed Data Mining	Ms. Preeti A. Paranjape	Dr. U. A. Deshpande	15/01/ 2006
17.	Application of Distributed Systems in Automotive Software	Mr. R. B. Keskar	Dr. U. A. Deshpande	01/07/ 2009
18.	A Framework to Model the Human Cell using Microarray & Genomic Data	Mr. Manish Kurhekar	Dr. U. A. Deshpande	01/07/ 2009
19.	Algorithms for target tracking in wireless sensor networks	Ms. Nishat Ansari	Dr. U. A. Deshpande	01/01 2012
20.	Task assignment in Distributed Real-Time Systems	Mr. Milind Pennurkar	Dr. U. A. Deshpande	01/01/ 2012
21.	Personalized & Geographic Information Retrieval	Ms. Mansi Radke	Dr. U.A. Deshpande	01/07/2012
22.	Multi Agent Systems	Ms. Priyanka Joshi	Dr. U.A. Deshpande	01/01/2013
23.	Bioinformatics	Ms. Kavita Kathe (FT)	Dr. U. A. Deshpande	01/01/2014

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
24.	Natural Language Processing	Ms. Mitali Halder	Dr. U. A. Deshpande	01/01/2014
Electrical Engineering Department				
1.	Detection of converter faults using wavelet Transform	Ms. Reshmi Keshwani	H. M. Suryawanshi	July-2009
2.	Multiphase induction motor Drives	Mrs. Sonal Rangari	H. M. July-2011	
3.	Integration of different Energy sources through soft switching converters	Shelas Satyan	H. M. Suryawanshi	July-2012
4.	Developments of converter converter renewable Energy Sources	Mrs Snehal Pachpore	H. M. Suryawanshi	Jan.-2013
5.	Multilevel converter for grid connection	Mr. Amardeep Sitole	H. M. Suryawanshi	July-2013
6.	"Energy requirement for distributed energy recourses with battery energy storage for reducing losses/thermal overloading in three phase distribution Lines"	Mahesh Pandya	M. V. Aware	2011
7.	Analysis and performance of dual-input dual output Z-source inverter for multiple induction motor Drives	Gaurav Goyal	M. V. Aware	2011
8.	"Performance improvement by switching state optimization in three phase	Wankhede	M. V. Aware	2011

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
9.	Multilevel voltage source inverter using GA	Yogesh Tatte	M.V. Aware	2013
10.	"DTC controlled of Multi-phase Induction Motor Drives	Prasad Arvind Venikar	Dr. M. S. Ballal Dr. B. S. Umre	09/07/2012
11.	Diagnosis of Incipient Fault Development in Transformer by Condition Monitoring	Sudhir S. Chopade	Dr. M. S. Ballal	07/07/2013
12.	Condition Monitoring and Life Extension of Transformer	Tushar G. Vilhekar	Dr. M. S. Ballal	01/01/2014
13.	Condition Monitoring of Induction motor	Jyoti S. Bhonsle	Prof.A.S. Junghare	July 2009
14.	Wavelet Transforms and its Application to process power quality disturbances	Altaf Badar	Prof.A.S. Junghare Prof.B.S.Umre	June 2010
15.	Study of Different Techniques of Optimization For Control of Reactive Power Flow	Mrs. Vijaya Huchche	Prof.A.S. Junghare Prof.N.R.Patne	Jan 2011
16.	Proposing controller for mitigating effects of power quality issues on induction motor	Swapnil W. Khubalkar	Prof.A.S. Junghare Prof.M.V.Aware	Jan 2014
	Application of fractional order PID controller			

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
17.	Study of discrete controller	Prakash Dwivedi	Prof.A.S. Junghare	Jan 2014
18.	Study Of Oscillations And Vibrations Of Turbine-Generator Set	D. Koteswara Raju	Prof.A.S. Junghare Prof.B.S.Umre	06-01-14
19.	Some studies on Solar Photo-voltaic Based Home Lighting System	Mr. A S Werulkar	P. S. Kulkarni	July 2009
20.	Some studies on Small Grid-connected Photo-voltaic Systems	Mrs. P. A. Salodkar	P. S. Kulkarni	July 2011
21.	Some studies on Solar Photovoltaic based Water Pumping System	Manoj B Mourya	P. S. Kulkarni	Jan 2013
22.	Some Studies in Application of Synchrophasor Techniques to Power System Protection	S.R. Tambay	S.R. Bhide	July 2011
23.	Protection Scheme for shunt FACTS compensated transmission line	Arvind Sing Rajput	N.R.Patne V.S.Kale	Jan 2014
24.	Some studies on application of AI Techniques in power system protection	S.S.Gokhale	V.S.Kale	Dec 2012
25.	Some studies on effect of compensation devices on distance protection of transmission lines	M.P. Thakre	V.S.Kale	Jan 2011

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
26.	Automatic Detection, Analysis and Classification Of Power Quality Disturbance using Advanced signal processing Techniques	Mr. Subhash V. Murkute	M. A. Chaudhari and V. B. Borghate	2009
27.	Artificial Neural Network Controller for Performance Optimization of Single Phase Inverter.	Mrs. S. S. Ambekar Nagpur University	M. A. Chaudhari	2010
28.	Studies on Studies on High-Power factor soft switched converter for solar cell	Mrs. J. N. Ingole Amravati University	M. A. Chaudhari	2010
29.	Some studies on double input Power Electronic DC-DC Converters (DIPECs)	Mr. Kushal Kanhav	M. A. Chaudhari	2011
30.	Design and control algorithm of a multilevel converter system for integration of distributed generation to AC grid	Mr. Amarendra Matsya	M. A. Chaudhari	2013
31.	Study of Optimization Techniques for Stability Constrained Optimal Power Flow	Bhushan Y. Bagde	B. S. Umre	July 2011
32.	Development of High Frequency, High Efficiency Buck Converter for Portable Equipment.	Diksha B. Khare	S. Pattnaik B. S. Umre	Jan 2012

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
33.	Some studies using DSTATCOM for power quality improvement on distribution system	Snehal P. Gawande	M. R. Ramteke	July 2011
34.	Some studies on effect of distribution system (Tentative)	Piyush Patil	M. R. Ramteke	Dec 2012

Electronics Engineering Department

1.	Propagation Model for Wireless Communication Channel.	J. A. Shrawankar	K. D. Kulat	2010
2.	Some Studies in wireless Communication System (A Case Study of Wi-max)	Jagdeesh Kene	K. D. Kulat	2010
3.	Embedded Image Processing Industrial Applications	V. R. Satpute	K. D. Kulat A. G. Keskar	2010
4.	Low Power VLSI System Design	Anita Deshmukh	R. B. Deshmukh	July 2009
5.	Micro Electro Mechanical Systems for RF (RF MEMS)	A. Morankar	R. M. Patrikar	July 2009
6.	Low Power VLSI System Design	Praveen Zode	R. B. Deshmukh	July 2009
7.	Low Power VLSI System Design	Pankaj Joshi	R. B. Deshmukh	July 2009
8.	Compressive Sensing Recovery and It's VLSI Implementation	S. Korde	R. B. Deshmukh	July 2011
9.	Micro Electro Mechanical Systems (BIO-MEMS)	Jayashree Barai	R. M. Patrikar	Jan 2009

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
10.	Fast Implementation of Fractal Video Encoder	R. E. Chaudhari	S. B. Dhok	July 2012
11.	Design of HEVC Compression	Eskinder A. A.	S. B. Dhok	July 2012
12.	Embedded Image Processing Algorithms	Vipul Lande	K. M. Bhurchandi	Dec 2011
13.	Video Sequence Retrieval	Bhumika Neole	K. M. Bhurchandi	Dec 2011
14.	Face Recognition System	Hemprasad Patil	A. G. Kothari K. M. Bhurchandi	Dec. 2011
15.	Embedded Image Processing	M. Farukh Hashmi	A. G. Keskar	Dec. 2012
16.	Synchronization issues in in OFDM Systems	Anagha Rathkanthiwar	Abhay Gandhi	2009
17.	Synchronization Issues in WCDMA Systems	Mridula Korde	Abhay Gandhi	2009
18.	Synchronization Issues in Chaotic Communication Systems	Gauri Halde	Abhay Gandhi	2011
19.	Modular Reconfigurable Framework for Control System Design using ARM & FPGA	Kanchan Tiwari	A. G. Kothari	2009
20.	Medical Imaging Pattern: Classification or Event Prediction for Real Time Embedded System	Vibha R. Bora	A. G. Kothari A. G. Keskar	2010
21.	Design of Intelligent Decision Support System for Telemonitoring of Critical Medical Parameters	R. G. Sutar	A. G. Kothari	July 2010

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
22.	Cognitive Machine to Machine Communication	P. Ghare	A. G. Kothari	July 2012
23.	Performance Evaluation of Effective Source Coding Method in Cognitive Radio	Rupali Patil	K. D. Kulat	2011
24.	An Approach Towards Improved Resolution and Interference Rejection Capabilities by Beam Forming Techniques in Antenna	S. V. Varade	K. D. Kulat	Nagpur University Registration
25.	Development of Dynamic Dynamic Model for Region Tracking Using Texture and Motion	A. Khobragade	K. D. Kulat	Nagpur University Registration
26.	Some Studies in Parameter Variation Dependency Based QOS in Communication Network	S. Agrawal	K. D. Kulat	Nagpur University Registration
27.	Co-existence Issues of UWB in Presence of Existing Wireless Communication System	R. D. Thakare	K. D. Kulat	Nagpur University Registration
28.	Wi-Max System Performance Study	A. Kondelwar	K. D. Kulat	Nagpur University Registration
29.	Design, Evaluation and Implementation of New MAC Protocols 802.11 for Long	V. Taksande	K. D. Kulat	Nagpur University Registration

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
30.	Distance Wireless Communication	P. Jawarkar	K. D. Kulat	Nagpur University Registration
31.	Cross Layer Protocols for Mobile IP Based Transmission	Deepali Shelke	K. D. Kulat	Nagpur University Registration
32.	Design of Low Complexity Decoder for MIMO Wireless System	Anjali Askhedkar	K. D. Kulat	Nagpur University Registration
33.	Cognitive Radio	M. Bawane	K. M. Bhurchandi	Nagpur University Registration
34.	Posture Recognition Using EEG Data	S. Hingway	K. M. Bhurchandi	Nagpur University
35.	Object Recognition using Shockgraph Theoretic Techniques (Submitted)	Rajesh Raut	K. M. Bhurchandi	Nagpur University Registration
35.	A Nonlinear Techniques for Color Image Sampling Under Limitation of Human Vision (Submitted)			
Humanities Department				
1.	Understanding Attrition: Psycho-social Perspective	Abha Parchure (Full time)	Dr.Y.M. Deshpande	1st July 2010
2.	Understanding Military Leadership	Mr. Ajay Kelkar (Part time)	Dr.Y.M. Deshpande	1st July 2010
3.	Psycho-Dynamics of Entrepreneurship	Mrs. Bhagyashri Bhakane (Full time)	Dr.Y.M. Deshpande	1st July 2011

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
4.	The Feminist Consciousness in the Selected Novels of Anita Desai	Ms. Hemangi Patil	Dr. M. Ghosal	1st Jan 2013
Mathematics Department				
1.	Relativistic cosmological Models of dissipative matter	Rupali Kelkar	S. Kotambkar & G. P. Singh (co-guide)	2010, registered at Nagpur University
2.	Modified theories of gravitation and recent observational constraints	Binay Kumar Bishi	G. P. Singh	1/7/2013
3.	Numerical methods for singularly perturbed delay differential equations with large delays	S. Dinesh Kumar	Dr. P. Pramod Chakravarthy	1/7/2013
4.	Some studies on micropolar and couple stress fluid flows	N.Ch.Ramgopal	Dr.M.Devakar	1/7/2010
5.	Some non-Newtonian fluid flow problems	Katta Ramesh	Dr.M.Devakar	1/7/2012
6.	Numerical Schemes for Hyperbolic Conservation Laws	Yogitha T Rathod	Dr. G. Naga Raju	1/1/2013
7.	Numerical methods for the class of singular boundary value problems arising in Physiology.	Mr. Ujwal Warbhe	Dr. Pradip Roul	1/7/2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
Mechanical Engineering Department				
1.	Wear analysis of implant in Total Hip Arthroplasty	M. R. Dharme	Dr. A. M. Kuthe	July 2011
2.	Application of Wire EDM in Rapid Manufacturing	Sanjay Rathi	Dr. A. M. Kuthe	Jan. 2010
3.	Computer Aided Metal Casting	Dhiraj Bhivgade	Dr. A. M. Kuthe	Jan. 2013
4.	Critical analysis of customized Metallic Implant Manufacturing	S. M. Randiwe	Dr. A. M. Kuthe	Jan. 2013
5.	Optimal multi robot task allocation for assembly Operation.	Manoj Mankar	Dr. A. M. Kuthe	Jan. 2013
6.	Customised Surgical Guide using layered Manufacturing	Sandeep Dahake	Dr. A. M. Kuthe	Jul. 2013
7.	Innovative Product Design Using Rapid-prototyping	Mahesh Mawale	Dr. A. M. Kuthe	Jul. 2013
8.	Machine Condition Monitoring Using Artificial Intelligence Approach	Mr. Vinay Thute	Dr. A. B. Andhare	July 2009
9.	Quality Assessment of Gearbox	Mr. Prasad Kane	Dr. A. B. Andhare	July 2011
10.	Tool Wear Modeling Lamdhade	Mr. Ganesh	Dr. A. B. Andhare	July 2012
11.	Modification in Sugar Cane Cutter Design to Improve Productivity	Mr. Yogesh Deshpande	Dr. A. B. Andhare Dr. P. M. Padole	Jan. 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
12.	Performance of Journal Bearing Using Nano Bio Lubricants	Mr. Dhananjay Katpatal	Dr. A. B. Andhare Dr. P. M. Padole	Jan. 2013
13.	Machining of Titanium Alloys	Mr. Neelesh Sahu	Dr. A. B. Andhare	July 2013
14.	Performance Evaluation of Nano Coolants in Machining	Mr. Roja Raju	Dr. A. B. Andhare	July 2013
15.	Design and Development of Bed for Patient Care	Mr. Anil Onkar	Dr. A. B. Andhare	July 2013
16.	Position and Path Control of AGV by Fixed Sensor and Controller	Mr. R. G. Pungle	Dr. H. T. Thorat, Dr. A. B. Andhare	July 2008
17.	Computer aided manufacturing, planning, based on STEP Ap224 through automatic manufacturing feature Recognition.	B. R. Borkar	Dr. Y.M. Puri	2009
18.	Studies on effect of welding on corrosion of mild steel, galvanized steel, and 409 Stainless steel.	Sachin P. Ambade	Dr. A.P. Patil Dr. Y. M. Puri	2010
19.	Application of EDM in Rapid Manufacturing.	Sanjay Rathí	Dr. Y. M. Puri	2011
	Design, Development and Performance Analysis of EDM Turning set-up	Vikas Gohil	Dr. A.M. Kuthe Dr. Y. M. Puri	2012

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
20.	Curved hole drilling using electric discharge Machine	Diwesh Meshram	Dr. Y. M. Puri	2013
21.	Fracture of soft and hard solids interface	Avinash Thakre	Dr. Arun K. Singh	July-2013
	Interfacial dynamics of soft solids	Vinit Gupta	Dr. Arun K. Singh	July-2013
22.	Tribology of Piston and Cylinder of an IC Engine	Shraddha Gondane	Dr. Arun K. Singh	July-2013
23.	Estimation of Human Muscle Characteristics	Chetan Kuthe	Rashmi Uddanwadiker	Dec.2011
	Design and development of economic prosthetic hand to restore aesthetics and Functionality	Tushar Kulkarni	Rashmi Uddanwadiker	July 2013
24.	Low cycle fatigue analysis of 316 LN steel notched specimen	Richa Agrawal	Rashmi Uddanwadiker	2013
25.	Mechanism and Robotics	Ankur Jaiswal	Hemant Jawale	Jan. 2014
26.	Mechanism and Robotics	Sachin Bhojne	Hemant Jawale	July 2013
27.	Heat Transfer Aspects in Fuel Cells	N. Shrivastava	Dr. S. B. Thombre	2010
28.	Studies on fuel cells Performance analysis of Solar Still	Ranjan Mallick H.S. Deshmukh	Dr. S. B. Thombre Dr. S. B. Thombre	2008
29.	Performance analysis of Solar Air heaters	Y. C. Dhote	Dr. S. B. Thombre	2008
30.	Experimental Studies & analysis of DSSCs	R. Shelke	Dr. S. B. Thombre	2009

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
31.	Heat Transfer Studies with Sound assisted Fluidized Bed of Multi Component Systems	Vaidya V.B. (Nagpur University) submitted	Dr. S. B. Thombre	2007
32.	Numerical Study of Buoyancy Induced Flow and Heat Transfer Inside a Pipe (Nagpur University)	Thombre R.E.	Dr. S. B. Thombre	2008
33.	Optimization using artificial intelligence	Rajesh Mankar	Dr. Shital S. Chiddarwar & Dr. A.M.Kuthe	Jan. 2013
34.	Robot assisted spray painting	Abhiesk Jha	Dr. Shital S. Chiddarwar	July 2013
35.	Non linear controller	Veer Alekshendra	Dr. Shital S. Chiddarwar	Jan. 2014
36.	Dynamic Analysis of Structural Element under the moving mass for damage Assessment.	Tanuja Vaidya	Dr. A. Chattrjee	July 2011
37.	Crack Detection in L.P. Steam Turbine blade using Vibration Analysis	M. S. Kotambkar	Dr. A. Chattrjee	2008
38.	Experimental and numerical study of flow and heat Transfer in solar air dryer.	Vipin Gawande	Dr. A. S. Dhoble	July 2012
39.	Experimental investigation of solar photovoltaic and thermal systems using optical filters.	Sandeep Joshi	Dr. A. S. Dhoble	Dec. 2012

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
40.	Study of heat transfer in heat exchanger using nano fluid	Vivek Ugare	Dr. A. S. Dhoble	Dec.2012
41.	Investigation of fatigue failure of FRP composite material blade used in rotary machines.	Pravin Kulkarni	Dr. A. S. Dhoble	July 2013
42.	Thermal Engineering	C. Mangrulakar	Dr. A. S. Dhoble	Dec.2013
43.	Investigation of heat transfer and fluid flow using artificial roughness in solar air heater.	Mr. Sanjay Sharma	Dr. V. R. Kalamkar	July 2013
44.	Experimental and CFD analysis of forced draught direct combustion biomass Stove.	Mr. Milind Kshirsagar	Dr. V. R. Kalamkar	Jan 2013
45.	Experimental and CFD analysis of low capacity, low cost solar pv powered submersible water pump	Mr. Vimal Sontake	Dr. V. R. Kalamkar	Jan 2013
46.	Numerical & experimental study of combustion & flow characteristics in tangential coal fired utility boiler.	Mr. Sachine Gabhane	Dr. V. R. Kalamkar	Jan 2013
47.	Durability assessment of crankshaft using finite element and experimental Technique	Anil R. Umale	Dr. P. M. Padole	July, 2011
48.	Experimental and finite Element analysis for	Atul Sane	Dr. P. M. Padole Dr. R.V.	July, 2012

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
50.	characterization of Co-cured composites Finite element analysis of damaged composite T-Joint	Roshan U. Patil	Uddanwadiker Dr. P.M. Padole Dr. A.S. Dhoble	Jan., 2013
51.	Finite element analysis for stents with non-linear Behaviour	Pooja Jhunjhunwala	Dr. P.M. Padole	Jan., 2014
Metallurgical & Materials Engineering Department				
1.	Development of Rare Earth Activated Alumino-Silicate Nanophosphors for Solid State Lighting	Ashwini Kumar Sharma	Dr.D.R.Peshwe Dr. Jatin Bhatt Dr.S.G.Dhoble	July 2010
2.	Tensile & fracture properties of P92 grade steel by ball indentation technique	Dipika Barbadikar	Dr.D.R.Peshwe Dr.R.K.Paretkar	Dec 2011
3.	Effect of normalizing and Tempering heat treatments on the creep properties of P92 steel	Laxmi Prasad Maddi	Dr.D.R.Peshwe Dr.A.R.Ballal	Aug. 2011
4.	Development of Solid State Lighting Materials	Abhilasha Jain	Dr.D.R.Peshwe Dr.S.G.Dhoble	Jan 2013
5.	Re-aging studies of 7010 Al alloy	Yogesh Mahajan	Dr.D.R.Peshwe	Jan 2013
6.	High temperature fatigue behaviour of power plant materials	Ashish Vaidya	Dr.D.R.Peshwe Dr.A.R.Ballal	Jan 2014

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
7.	Studies on slurry abrasion of some alloy steels and coatings used in Industry Registration	Avishkar Rathod	Dr S. G Sapate	July 2011
8.	Abrasive wear behavior of some alloy steel	Pranay Bagade	Dr. R.K. Khatirkar Dr. S.G. Sapate	July 2012
9.	Abrasive wear behavior of alloyed cast irons	N.H. Patil	Dr. S.G. Sapate Dr. R.K. Khatirkar	Jan 2013
10.	Beneficiation studies of rock Phosphates in pursuit of Zero waste Technology	S.G. Gundewar	Dr. V. K. Didolkar & Dr. S. U. Pathak	July, 2009
11.	Synthesis & Characterisation Of Polypyrrole & Their Blends As Novel Sensor.	Mr. V.V. Karambelkar	Dr. S. N. Paul Dr. J. D. Ekhe	1.7.2009
12.	Processing & Characterisation of Reinforce ABS Nano composites.	Mr. P.A Kakde	Dr. S. N. Paul	1.7.2010
13.	Welding behavior and corrosion studies of stainless steels	Jageswar Verma	Dr. R.V. Taiwade Dr. R.K. Khatirkar	Dec 2013
14.	Synthesis and Mechanical Properties evaluation of Al-AlN nanocomposites with varying AlN Content	Sandeep Fale	Jatin Bhatt & Ajay Likhite	Aug.2010

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
15.	Alloy design for bulk metallic glass forming composition and its biocompatibility study	Vincent S Kumar	Jatin Bhatt & B S Murty	Aug. 2011
16.	Development of Rare earth activated aluminosilicate based nanophosphors for solid state lighting	Ashwini Kumar	Jatin Bhatt, D R Peshwe, S J Dhoble	Aug. 2010
17.	Evaluation of Machinability Of Austempered Ductile Iron	Prashant Parhad	Ajay Likhite & Jatin Bhatt	Aug. 2010
18.	Study of mechanical properties of P92 grade steel by Ball Indentation technique	Dipeeka Barbadikar	A.R. Ballal, D.R. Peshwe	01-01-2012
19.	Study on Localized corrosion of Austenitic Stainless Steel : Application of Electrochemical Noise Measurement	MS Bihade	Prof. A. P. Patil	July 2008
20.	Studies on welding on corrosion of mild steel and ferritic stainless steel	S P Ambade	Prof. A. P. Patil	July 2010
21.	Effect of coating structure on corrosion behaviour of galvanized Steel	B D Deshmukh	Prof. A. P. Patil	July 2010

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
22.	To investigate welding and corrosion of Cr-Mn ASS in industrial environment and its inhibition	Ankur Bansod	Prof. A. P. Patil	July 2014
27.	Development of Carbodic Austempered inoculated Low Carbon Equivalent Iron	Sudhakar Umale	Dr. Ajay Likhite Prof. S.U. Pathak	July 2010
28.	Cryogenic treatment of carbodic austempered Ductile iron	S.A. Patil	Prof. S.U. Pathak Dr. Ajay Likhite	July 2010
29.	Synthesis & Sandeep Phale Characterization of Al-AlN metal matrix nano composites	Dr. Jateen Bhatt	July 2010 Dr. Ajay Likhite	
30.	Machinability evaluation of Austempered Ductile Iron	Prashant Parhad	Dr. Ajay Likhite Dr. Jateen Bhatt	July 2010

Mining Engineering Department

1.	Development of guidelines for waste dumping in surface Coal Mines of WCL in Chandrapur and Wani areas in Wardha Valley.	Mr. I. L. Muthreja	Dr. R. R. Yerpude	July 2006
2.	Safety information and decision System for coal Mine	Mr. Anupam Kher	Dr. R. R. Yerpude	July 2010
3.	Web pillar design in highwall mining	C.P. Verma	Dr. N. R. Thote (Supervisor), John Loui (Co supervisor)	4. 07. 2011

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
Physics Department				
1.	Study some proton conducting glasses	Sudhir R. Tiple	Dr. V.K. Deshpande	10-1-2008
2.	Development of Ferroelectric glass-ceramics for transducers	Vijay U. Rahangdale	Dr. V.K. Deshpande	1-7-2010
3.	Development of lead free electro ceramics for ferroelectric applications	Mugdha V. Jagdale	Dr. V.K. Deshpande	1-1-2013
4.	Study of the effect of gamma and neutron irradiation on physical properties of lithium borosilicate glasses	Ashish P. Raut	Dr. V.K. Deshpande	8-7-2013
5.	Synthesis and Characterization of Lithium Borate Glasses containing Rare Earth Oxides	D.D. Ramteke	Dr. R.S.Gedam	June 2009
6.	Synthesis and Characterization of Rare Earth Oxide Doped Alkali Silicate Glasses and Glass Ceramics	V.Y.Ganvir	Dr. R.S.Gedam	June 2011
7.	Synthesis and Characterization of Glasses Containing Semiconductor Quantum	S. R. Munishwar	Dr. R.S.Gedam	June 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
8.	Synthesis Of Cd Based Nanoforms And their Doping Towards Luminescence Application	Nikila Nair	Dr B R Sankapal	1st Jan 2013* with Dr. Mrs. Patrikar Changed Supervisor 16 Jan 2014
9.	Cd-Chalcogenide Based Thin Film Solar Cells	Sutripto Majumder	Dr B R Sankapal	1st July 2013
10.	Coating Of Metal Oxides Hydroxides on Carbon Nanotube Thin Films for Supercapacitor Application	Shrikant S. Raut	Dr B R Sankapal	1st July 2013
11.	Thin film solar cells	Swapna Mary . G	Dr. G. Hema Chandra	July, 2013
12.	Preparation and study of bismuth oxide containing glasses and glass ceramics	Mrs. Vijaya D. Raut	Dr. (Mrs.) A. V. Deshpande	1st July 2009
13.	Synthesis & Characterisation of PANI doped with nanoparticles and PANI nanocomposites	Ms. Jyoti Nanal	(Mrs. Jyoti Ghushe) Dr. Mrs. S.M. Giripunje	30th June 2010
14.	Design and development of Tandem solar cell using Quantum Dots	Ms. Shikha	Dr. Mrs. S.M. Giripunje	1st July 2013

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
Architecture & Planning Department				
1.	Investigating the prevalence, relevance appropriateness of Bamboo Technology for Housing in India.	C.S.Sabnani	(I)Dr. M.V. Latkar Asso. Prof., Dept.of Civil, VNIT, Nagpur (E) Prof. Utpal Sharma, Centre of Environmental Planning & Technology, Ahemadabad	July 2009
2.	Critical Appraisal of adequate housing for Urban Poor	V.S.Kapse	(I) Dr. A.D. Pofale, Dept. of Civil, VNIT, Nagpur (E) Dr. Mayank Mathur, Asstt. Prof., School of Planning & Architecture, 4-B, IP Estate, New Delhi- 02	July 2009
3.	Design elements in construction of Railway stations	K.N.Joglekar	(I) D.H..Lataye, Asso., Dept. of Civil, VNIT, Nagpur. (E) Dr. Abir Bandyopadhyay Asstt. Professor,	July 2009

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
4.	Relationship between Urban Outdoor spaces and Thermal Comfort	V.V.Ghuge	Dept. of Architecture, NIT, Raipur (I) Dr. R.V. Ralgaonkar Asso. Professor, Dept. of Civil, VNIT, Nagpur. (E) Dr. Alka Bharat, Professor MANIT, Bhopal	July 2009
5.	Impact of New Urban Transport system on non motorized vehicle with special emphasis on walkability, case study, Nagpur	Aniket Deshmukh	Dr. V.S. Lange, Asso. Prof., Dept. of Civil, VNIT, Nagpur (E) Dr. Abir Bandyopadhyay, Asstt. Professor, Dept. of Architecture, NIT, Raipur	July 2010
6.	Urban Design and Complexity Science	Akshay P. Patil	Dr. Alpana Dongre	July 2010
7.	Mixed Landuse a tool for Sustainable Urban Development	Sarika P. Bahadure	Dr. Rajashree Kotharkar	July 2010
8.	Cultural Landscape Conservation - an inspiring quality for Contemporary Architecture	Amit J. Wahurwagh	Dr. Alpana Dongre	July 2010

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
9.	Study of the impact of built environment as enclosed spaces on human behaviour, focus on enhancing the efficiency & comfort of the user	Pooja Pathak	Dr. Alpana Dongre	July 2010
10.	Study of transformations in the traditional urban environment	Roopal Deshpande	Dr. Rajashree Kotharkar	July 2010
11.	Innovative Method for Creativity Thrust in Architecture Education	Poorva Mange	Dr. V.S. Adane	July 2010
12.	Design Parameters for Agriculture Build form in Central India	Milind K. Gujarkar	Dr. V.S. Adane	July 2011
13.	Thermal Preformance of Built Form	Sumita G. Sardesai	Dr. Rajashree Kotharkar	July 2011
14.	Sustainable Tribal Habitat using Forest Resources in Central India	Ajay S. Thombre	Dr. Alpana Dongre	July 2011
15.	Urban Heat Island Study Nagpur	Meenal M. Surawar	Dr. Rajashree Kotharkar	July 2011
16.	Residential Built Environment and Human Psychology	Kirti D. Bhonsle	Dr. V.S. Adane	July 2011
17.	Contextual Analysis of Build Environment Derivation of Logical Framework for Contextual	Neeta R. Lambe	Dr. Alpana Dongre	July 2011

Sr. No.	Thesis Topic	Name of Scholar	Supervisor(s)	Date of Registration
	Design Approach in Indian Scenario			
18.	Compact City: A Sustainable Urban form for Indian cities	Pankaj N. Bahadure	Dr. Rajashree Kotharkar	July 2011
19.	Study of Precincts in Urban Area under Transformation	Amit M. Deshmukh	Dr. V.S. Adane	July 2011
20.	Urban Mobility	Surashmie S. Gawande	Dr. V.S. Adane	Jan 2013
21.	Lighting and Multi Storied Development	Trupti Dhabe	Dr. Alpana R. Dongre	July 2013
22.	Study of Iconic Buildings and Human Settlements	Tanish Dutta	Dr. V.S. Adane	July 2013
23.	Investigation into Urban Sustainability, Study Area-Hyderabad	Anusha Vaddiraj Pallapu	Dr. Rajashree Kotharkar	July 2013

5.2 Ph.D.s Completed during 2013-14

Sr. No.	Topic	Investigator	Supervisor
Applied Mechanics Department			
1.	Study of Machine Foundation including Soil-Structure interaction	R S Sonparote	Dr O R Jaiswal Dr P N Godbole
Chemical Engineering Department			
1.	Study of Pervaporation Reactors	Ajit Rathod	Dr. K. Wasewar
2.	Study on nano-fluids and its application in chemical engineering	Rohit Kedkar	Dr.S.S.Sonawane Dr. K. Wasewar

Sr. No.	Topic	Investigator	Supervisor
3.	Development of Low Cost Adsorption for Removal of Fluoride	Kalpana Singh	Dr. K. Wasewar Dr. D. H. Lataye
4.	Study of Red Mud Treatment and Utilization	Suchita Rai	Dr. K. Wasewar Dr. J. Mukhopadhyay
Chemistry Department			
1.	Cryogenic Treatment of Polymers and Polymer Composites	Ms. Kavita Pandey	Dr.(Mrs.) Anupama Kumar Dr. D.R. Peshwe
2.	Synthesis and evaluation of Molecularly imprinted polymers (MIPs) for selective extraction of Antioxidants	Ms. Sushma Pardeshi	Dr.(Mrs.) Anupama Kumar Dr.(Mrs.) Rita S. Dhodapkar
Civil Engineering Department			
1.	Studies on Treatment of Wastewater Using Constructed Wetlands for Small Communities	A.N. Shrikhande	Dr. V.A. Mhaisalkar
2.	Studies on Treatment of Municipal Solid Waste Land Fill Leachate	R.R. Gawalpanchi	Dr. V.A. Mhaisalkar
3.	Reliability-Based Design of water distribution networks considering fuzzy parameters	Shilpa Dongre	Dr. Rajesh Gupta
4.	Designing of Geohydrological Model for over exploited watersheds	B. Lamsoge	Y B Katpatal
5.	Seismic zoning using structural characteristics in GIS Environment	S.S. Shirkhedkar	Y B Katpatal

Sr. No.	Topic	Investigator	Supervisor
6.	Integrated Groundwater Management model for watersheds through spatial analysis of resources parameters	Sarang Muley	Y B Katpatal
Computer Science & Engineering Department			
1.	Parallelization and Optimization of Biological Algorithms on Multicore Architectures using Open MP and MPI	Mrs. Dipti Shrimankar	Dr. S.R.Sathe
2.	Parallel Processing with open MP and Open CL	Krishnahari Thouti	Dr. S. R. Sathe
3.	Using Deep Semantic Analysis for Domain Specific Natural / language Interface to Database	Mr. Avinash Agrawal	Dr. O. G. Kakde
Electrical Engineering Department			
1.	Direct torque control of induction motor using five level diode clamped multilevel inverter	U. V. Patil	H. M. Suryawanshi
2.	Stability studies of v/f controlled induction motor Drives	Ms.S.M. Deshmukh	Prof. M. V. Aware
Mathematics Department			
1.	Numerical methods for solving Singularly Perturbed Differential Difference Equations	Mr. R. Nageshwar Rao	Dr. P. Pramod Chakravarthy
Mechanical Engineering Department			
1.	Investigation of cryogenic treatment on tool life of	Anoop D. Shribhate Dr. N.V. Deshpande	Dr. Y.M. Puri

Sr. No.	Topic	Investigator	Supervisor
Metallurgical & Materials Engineering Department			
1.	Cryo-treatment on polymer & polymer composites	Ms. Kavita Pande	Dr. Anupama Kumar
2.	Studies On Tribocorrosion Behavior Of Ti Based Biomaterials In Physiological Solutions	Mr. N. S. More	Dr. S.N. Paul Dr. Manish Roy (DMRL , Hyderabad)
3.	Synthesis, Characterization & anticorrosive performance of soluble polyamine of its composites.	Dr. R.C. Rathod	Dr. V.K. Didolkar
4.	Synthesis and characterization of Al-Mg-SiO ₂ composite using nanostructured silica from rice husk	Pallavi Deshmukh	Jatin Bhatt & S U Pathak
5.	Effect of welding cycle on corrosion behaviour of austenitic stainless steels	RV Taiwade	Prof. A. P. Patil & Dr. RK Dayal
6.	Studies on corrosion and biofouling of a low cost copper alloy in seawater	Adeeba Khan & T Subba Rao	Prof. A. P. Patil
7.	Studies on passivity of AISI 304 and chrome-manganese austenitic stainless steels: effect of Cl ⁻ , pH and inhibitors	NK Khodragade	Prof. A. P. Patil
Mining Engineering Department			
1.	Development of Environmental Audit System for Opencast Mines	Mr. Yogesh G. Kale	Dr. R.R. Yerpude

Sr. No.	Topic	Investigator	Supervisor
Physics Department			
1.	Highly sensitive optical gas sensors using silica nano-wire.	Mrs. Shilpa Kulkarni	Mrs. S. R. Patrikar
Architecture & Planning Department			
1.	Study of Child Centricity in the learning environments of urban Indian schools through Post Occupancy Evaluation	S.H. Khan and Dr. M.V. Latkar	Dr. Rajashree Kotharkar,
2.	Cognitive response to special modeling of built environment in Urban India	Priya Chaudhary	Dr. V.S. Adane
3.	Framework for Achieving Disaster Resilient Urban Developments	Sameer M. Deshkar	Dr. V.S. Adane

5.3(a) Research publications in International / National Refereed Journals

Applied Mechanics Department

1. V. G. Kondekar, O. R. Jaiswal, L. M. Gupta, 2013, "Geotechnical Properties of Stabilized Ancient Gadhi Soil in Maharashtra State of India", Electronic Journal of Geotechnical Engineering, Vol. 18, V, pp 5289-5302

Chemical Engineering Department

1. S. S. Sonawane, K. L. Wasewar, R. S. Khedkar, "Preliminary study of thermal conductivity and viscosity of ethylene glycol with CuO nanorod inclusions" Res. J. Chem. Environ. 18 (3), pp. 31-36, 2014.
1. Ajit Rathod, K. L. Wasewar, C. K. Yoo., "Enhancement of Esterification of Propionic Acid with Isopropyl Alcohol by Pervaporation Reactor" J. Chemistry. vol. 2014, Article ID 539341.

2. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, and C. K. Yoo, "Synthesis, Characterization, and Application of Novel Trihexyl tetradecyl phosphonium bis (2, 4, 4-trimethylpentyl) phosphinate for Extractive Desulfurization of Liquid Fuel" *Fuel Processing Technology*, Vol. 123, pp. 1-9, 2014.
3. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, and C. K. Yoo, "Environmentally Benign Process for Removal of Sulfur from Liquid Fuel using Imidazolium Based Ionic Liquids" *Research Journal of Chemistry and Environment*, Vol. 18 (2), pp. 94-99, February, 2014.
4. *Kinetic analysis of biohydrogen production from complex dairy wastewater under optimized condition*, *International Journal of hydrogen energy* 39 (2014) 1306-1314.
5. Khedkar Rohit, Sonawane Shriram and Wasewar Kailas, "Preliminary study of thermal conductivity and viscosity of ethylene glycol with CuO nanorod inclusions", *Research Journal of Chemistry and Environment*, Vol.18 (3) March (2014)
6. Gadhe Abhijit, Sonawane Shriram and Varma Mahesh, "Ultrasonic Pretreatment for an enhancement of biohydrogen production from complex food waste", *International journal of hydrogen energy* (2014)10.1016/j.ijhydene.2014.03.105
7. S. S. Sonawane, K. L. Wasewar, R. S. Khedkar., "Synthesis of TiO_2 Water Nanofluids of Its Viscosity and Dispersion Stability Study" *Journal of Nanoresearch*, Vol. 24, pp. 26-33, 2013.
8. S. S. Sonawane, K. L. Wasewar, R. S. Khedkar., "Study on concentric tube heat exchanger heat transfer performance using Al_2O_3 water based nanofluids" *International Communications in Heat and Mass Transfer*, Vol. 49, pp. 6068, 2013.
9. Rohit S. Khedkar, A.SaiKiran, Shriram S. Sonawane, K. L. Wasewar, Suresh S Umare, "Thermo-physical properties measurement of water based Fe_3O_4 nanofluids" *Carbon Science and Technology*, Vol. 5(1), pp. 187-192, 2013.

10. Suchita Rai, K. L. Wasewar, Dilip H. Lataye, M. J. Chaddha, R.S. Mishra, P. Mahindran, J. Mukhopadhyay and C. K. Yoo., "An Alternative to Clay in Building Materials: Red Mud Treatment Through Sintering Method Using Taguchi's Methodology" *Advances in Material Sci. & Eng.* vol. 2013, Article ID 757923, 2013.
11. A.Waheed Deshmukh, K. L. Wasewar, Mahesh N. Varma, Diwakar Z. Shende, C. K. Yoo., "Effect of Ethyl Oleate Pre treatment on Drying Characteristics and Mathematical Modeling of Ginger" *J. Chemistry*, vol. 2013, Article ID 890384, 2013.
12. Kanti K. Athankar, K. L. Wasewar, Mahesh N. Varma, Diwakar Z. Shende, CK Yoo., "Reactive extraction of phenylacetic acid with tri-*n*-butyl phosphate in benzene, hexanol, and rice bran oil at 298 K" *J. Chem. Eng. Data*, Vol. 58(11), pp. 32403248, 2013.
13. Suchita Rai, K. L. Wasewar, R. S. Mishra, Puttewar S. P. , M. J. Chaddha, J. Mukhopadhyay, CK Yoo., "Neutralization of Red Mud using Inorganic Acids" *Res. J. Chemistry Env.* Vol. 17(7), pp. 10-17, 2013.
14. K. L. Wasewar., "Multistage extractive desulfurization of liquid fuel by ionic liquids" *J. Future Eng. Tech.* Vol. 3(2), pp. 10-15, 2013.
15. Suchita Rai, K. L. Wasewar, M. J. Chaddha , J. Mukhopadhyay., "Utilization of red mud in making bricks" *Research Journal of Engineering and Technology*, Vol. 4(1), pp. 12-14, 2013.
16. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, and C. K. Yoo, "Deep Removal of Sulfur from Model Liquid Fuel Using 1-butyl-3-methylimidazolium chloride" *Procedia Engineering*, Vol. 51, pp. 416-422, 2013.
17. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, and C. K. Yoo, "Ionic Liquids: - The Novel Solvent for Removal of Dibenzothiophene from Liquid Fuel" *Procedia Engineering*, Vol. 51, pp. 314-317, 2013.
18. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, and C. K. Yoo, "Extractive Deep Desulfurization of Liquid Fuels Using Lewis-Based Ionic Liquids"

Journal of Energy, Vol. 2013, pp. 1-4, 2013.

19. A.P.Rathod, K. L. Wasewar, S. S. Sonawane., "Enhancement of esterification reaction by pervaporation reactor: an intensifying approach" *Procedia Engineering*, Vol. 51, pp. 330-334, 2013.
20. Rohit S. Khedkar, Sai Kiran A. Shriram S. Sonawane, K. L. Wasewar, Suresh S. Umare., "Water to Nanofluids heat transfer in concentric tube heat exchanger: Experimental study", *Procedia Engineering*, Vol. 51, pp. 318-323, 2013.
21. A.P.Rathod, K. L. Wasewar, S. S. Sonawane., "Intensification of esterification reaction of lactic acid with iso-propanol using pervaporation reactor" *Procedia Engineering*, Vol. 51, pp. 456-460, 2013.
22. Rohit S. Khedkar, Shriram S. Sonawane, K. L. Wasewar, "Thermo physical characterization of Paraffin based Fe_3O_4 nanofluids" *Procedia Engineering*, Vol. 51, pp. 342-346, 2013.
23. Rohit S. Khedkar, Shriram S. Sonawane, Kailas L. Wasewar, "Water to Nanofluids heat transfer in concentric tube heat exchanger: Experimental study", *Procedia Engineering (Elsevier Publication)*, 51, 2013, 342346.
24. Rohit S. Khedkar, SaiKiran A. Shriram S. Sonawane, Kailas L. Wasewar, Suresh S. Umare, "Thermo physical characterization of Paraffin based Fe_3O_4 nanofluids", *Procedia Engineering (Elsevier Publication)* 51, 2013, 318323.
25. Waghmare Mangesh, Wasewar Kailas and Sonawane Shriram, "Investigations on extraction equilibrium of picolinic acid into various solvents: mechanism and influencing factors", *Research Journal of Chemistry and Environment*, Vol. 17 (2) February, (2013)
26. Rohit S. Khedkar, Shriram S. Sonawane, Kailas L. Wasewar, "Effect of sonication time on effective thermal conductivity Enhancement of TiO_2 based nanofluids", *Journal of Experimental Nanosciences*, Taylor and Francis Publication, 2013 (Accepted) (IF 1.1)

27. Abhijit Gadhe, Shriram S. Sonawane, Mahesh N. Varma, "Optimization of conditions for hydrogen production from complex dairy wastewater by anaerobic sludge using desirability function approach", *International Journal of Hydrogen Energy*, Volume 38, Issue 16, , 30 May 2013, Pages 66076617
28. Abhijit Gadhe, Shriram S. Sonawane, Mahesh N. Varma, "An Evaluative Report of Fermentative Hydrogen Production: Current Prospective and Way Forward", *Invertis journal of Renewable Energy* volume 3 , No. 2 , (April-June 2013)
29. Rohit S. Khedkar, Shriram S. Sonawane, Kailas L. Wasewar, "Synthesis of TiO₂ Water Nanofluids for Its Viscosity and Dispersion Stability Study," *Journal of Nano Research* Vol. 24 (2013) pp 26-33
30. Ajit P. Rathod, Kailas L. Wasewar, Shriram S. Sonawane, " Enhancement of esterification reaction by pervaporation reactor: an intensifying approach", *Procedia Engineering* 51, (2013) 330 334
31. Ajit P. Rathod, Kailas L. Wasewar , Shriram S. Sonawane, " Intensification of esterification reaction of lactic acid with iso-propanol using pervaporation reactor", *Procedia Engineering* 51 (2013) 456 460
32. Gadhe Abhijit, Sonawane Shriram and Varma Mahesh, "Kinetic modeling of biohydrogen production from complex wastewater by anaerobic cultures, *Res. J. Chem. Environ.*", Vol. 17 (12) December (2013)
33. Rohit S. Khedkar, Shriram S. Sonawane, Kailas L. Wasewar, "Study on Concentric Tube Heat Exchanger Heat Transfer Performance using Al₂O₃-water Based Nanofluids", *International Communications in Heat and Mass Transfer* 49 (2013) 6068
34. Waghmare, M.D., Wasewar, K.L., Sonawane, S.S., Shende, D.Z., "Reactive extraction of picolinic and nicotinic acid by natural non-toxic solvent", *Separation and Purification Technology*, volume 120, issue , year (2013), pp. 296 303

35. Rathod, A.P., Wasewar, K.L., & Sonawane, S.S., Enhancement of esterification reaction by pervaporation reactor: an intensifying approach. *Procedia Engineering* 51, 330-334, 2013
36. Rathod, A.P., Wasewar, K.L., & Sonawane, S.S., Intensification of esterification reaction of lactic acid with iso-propanol using pervaporation reactor. *Procedia Engineering* 51, 456-460, 2013
37. Raut, S., Mandavgane, S., and Ralegaonkar, R. (2013). "Thermal performance assessment of recycled paper mill waste cement bricks using the small scale model technique." *J. Energy Eng.*, 10.1061/(ASCE)EY.1943-7897.0000171 (Oct. 29, 2013).
38. Mangesh V Madurwar, Rahul V Ralegaonkar, Sachin A. Mandavgane (2013) Application of agro-waste for sustainable construction materials: A Review *International Journal of Construction & Building Materials*, Volume 38, pp. 872-878.
39. Ramesh, S., Chaurasia, A. S., Mahalingam, H., & Rao, N. J., "Kinetics of Devolatilization of Black Liquor Droplets in Chemical Recovery Boilers: Pyrolysis of Dry Black Liquor Solids", *International Journal of Chemical Engineering and Applications*, 4, 1-5, 2013.

Chemistry Department

Dr. S.S. Umare

1. Tribological behavior of nano TiO_2 as an additive in base oil., Ingole. S. Charanpahari A., Kakade A., Umare S.S., Bhatt D.V. and Menghani J., *Wear* 301 (2013) 776-785.
2. Enhanced Visible light Photocatalytic Activity of Ga, N and S codoped TiO_2 for Degradation of azo dye. Umare S.S., Charanpahari A, and Sasikala R. *Material Chemistry and physics*: 140 (2013) 529-534
3. Visible light active N doped GeO_2 for photodegradation for both anionic and

cationic Dyes. Charanpahari A., Umare S.S., and Sasikala R., *Catalysis Communication* 40 (2013) 9-12.

4. Synthesis Characterization and Biodegradation Studies of Aliphatic Poly (Neopentyl-succinate) urethanes, Bhusari G.S., Umare S.S. and Chandure A.S. *Emerging Material Research* 3(2)(2013)19-100.

Dr Anupama Kumar

1. Sushma Pardeshi, Rita Dhodapkar, Anupama Kumar, "Molecularly imprinted microspheres and nanoparticles prepared using precipitation polymerisation method for selective extraction of gallic acid from *Embllica officinalis*" *Food Chemistry*, 146,385393, March-2014
2. Sushma Pardeshi, Rita Dhodapkar, Anupama Kumar, "Quantum chemical density functional theory studies on the molecular structure and vibrational spectra of Gallic acid imprinted polymers" *Spectrochimica acta Part A: Molecular and Biomolecular spectroscopy*, 116,562-573, December-2013
3. Sushma Pardeshi, Rita Dhodapkar, Anupama Kumar, "Influence of porogens on the specific recognition of molecularly imprinted poly(acrylamide-co-ethylene glycol dimethacrylate)" *Composite interface*, 21(1), 13-30, January-2014

Dr. J.D. Ekhe

1. Atul Maldhure¹, "Pyrolysis of purified krakt lignin in presence of AlCl₃ and ZnCl₂," *journal of Environmental Chemical Engineering*, Volume, 1,844-849, July, 2013.
2. S.N. Paul, Vineet Karambelkar, J.D. Ekhe, "Experimental Design of Hield polypyrrole by Taguchi Method" *Int. Journal of Engineering Research Applications*, Vol 3, Issue6, Nov-Dec. 2003 pp89-95

Dr. Ramani Motghare

1. Kiran Kumar Tadi, Ramani V. Motghare, "Rational Synthesis of Pindolol imprinted polymer by non- covalent protocol based on computational approach" *Journal of Molecular Modeling*, Vol. 19, Issue 8, pp 3385-3396. August 2013.

Dr. Chayan Das

1. B. P. Kapgate and C. Das "Filler-filler and rubber-filler interactions in nitrile rubber/silica composites." *Emerging Materials Research*, Volume 3, Issue 1, PP: 4651 September 2013.
2. B. P. Kapgate, C. Das, D. Basu, A. Das, G. Heinrich, "Rubber composites based on silane-treated stöber silica and nitrile rubber: Interaction of treated silica with rubber matrix". *Journal of Elastomers and Plastics*, published online October 25, 2013 DOI: 0095244313507807.
3. B. P. Kapgate, C. Das, D. Basu, A. Das, G. Heinrich, U. Reuter, Effect of silane integrated solgel derived in situ silica on the properties of nitrile rubber. *Journal of Applied Polymer Science*, Article first published online: 18 FEB 2014 DOI: 10.1002/app.40531

Dr. Sujit Kumar Ghosh

1. Himank Kumar, Anjan Chattopadhyay, Prasath R, Vinod Devaraji, Ritika Joshi, Bhavana, Praveen Saini, Sujit Kumar Ghosh, Design, synthesis, physicochemical studies, solvation dynamics and DNA damage of quinoline appended chalcone derivative: A comprehensive spectroscopic approach towards drug discovery, Communicated in ACS (2014)
2. Himank Kumar, Prasath R, Vinod Devaraji, Manoj Kumar Jadhao, P. Bhavana and Sujit Kumar Ghosh The binding mode of quinoline appended anthracenyl chalcone with calf thymus DNA : Spectroscopic exploration coupled with molecular docking. *- Communicated in Elsevier Science (2014).

Dr. Atul Wankhade

1. Atul Wankhade, M.G. Dhonde, N.T. Khatl, Sanjay R. Thakare and G.S. Gaikwad, Visible Light Induced Photoreductive Dehalogenation Using Carbon Doped ZnS Nanocrystallite, *Chem Sci Trans.*, accepted for publication in year 2014. DOI:10.7598/cst2014.630
2. Atul Wankhade, G.S. Gaikwad M.G. Dhonde, N.T. Khatl, Sanjay R. Thakare,

Removal of Organic Pollutant from water by Heterogenous Photocatalysis: A Review, Res.J.Chem.Environ., Vol.17 (1), 84-94, 2013.

Civil Engineering Department

1. Rajashree Vinod Bothale and Yashwant B. Katpatal, Response of rainfall and vegetation to ENSO events during 2001-2011 in Upper Wardha watershed, Maharashtra, India', Journal of Hydrologic Engineering. Journal of Hydrologic Engineering, Vol. 19, No. 3, March 1, 2014. ©ASCE, 583-592, 2014.
2. Sandeep Shirkhedkar, Yashwant B Katpatal and S S Rathore, Analysis of Rock Seismicity and present Seismic risk zones within India, International Journal of Conceptions on Civil Engineering Vol. 1, Issue 1, Dec 2013., 38-42, 2013.
3. Lamsoge B R, Katpatal Y B, Pophare A M, Groundwater Management using MODFLOW Modeling, Gondwana Geol. Mag., Special Volume No. 14, 1-9, 2014.
4. Katpatal Y B, Kundal P., Muley S V, Relationship of Rainfall pattern with hydrographs of observation wells: A case study of Kolar Watershed, Nagpur District, Maharashtra, Gondwana Geol. Mag., Special Volume No. 14, 2014, 21-27, 2014.
5. Abdy Sayyed, M. A. H., and Gupta, R. "Predicting deficient performance of water distribution networks", Civil Engineering Infrastructure Journal, 46(2), 161-173. July 2013.
6. Landge, H. C., and Gupta, R. "Strategic model to implement public-private partnership in water sector in India.", Journal of Development Management, 1(2), 161-176. April-June 2013.
7. Rathi. S., and Gupta, R. "Monitoring stations in water distribution systems to detect contamination events", ISH Journal of Hydraul. Engg., <http://dx.doi.org/10.1080/09715010.2013.857470>. 2013.
8. Rathod, V., Kadu, M.S., and Gupta, R. "Field observation of head loss through sluice valves of various sizes for different openings", Journal of IWWA, 115-125, Apr-Jun 2013

9. Vijay, R., Popat, R., Pisode, M., Sharma, A., Kumar, M., Chakrabarti, T. and Gupta, R. "Evaluation and analysis of noise levels at traffic intersections of Nagpur City, India", J. Environ. Science & Engg., 55(2), 197-206, Apr-Jun 2013.
10. Bhagat Madhuri, Ghare Aniruddha, Ralegaonkar Rahul, "Identification and classification of flood prone areas using AHP, GIS and GPS" Disaster Advances (SCI expanded), Vol. 6 (11), pp 120-131, November 2013
11. Ghare A D, Pote A S, Khode B V, "Experimental model for Computation of Flow Energy Dissipation over Labyrinth Weirs" Disaster Advances (SCI expanded), Vol. 7 (1) pp 10-16, January 2014
12. Mangesh V. Madurwar, Sachin A. Mandavgane and Rahul V. Ralegaonkar Development and Feasibility Analysis of Bagasse Ash Bricks, Journal of Energy Engineering, ASCE, (2014) In Press.
13. Mangesh V. Madurwar, Sachin A. Mandavgane and Rahul V. Ralegaonkar Use of Bio-Fuel Byproduct Sugarcane Bagasse Ash In Low Density Energy Efficient Bricks, , International Journal of Construction Materials and Structures, Indian Society for Materials & Structures, IIT, Roorkee, India Volume 2, No. 1 (PP- 19-27) (2014).
14. S.P. Raut, S.A. Mandavgane and R.V. Ralegaonkar Application of Small-Scale Experimental Models for Thermal Comfort Assessment of Sustainable Buildings, International Journal of Civil Engineering, Iran, Accepted (in Press) (2014), http://www.iust.ac.ir/ijce/search.php?slc_lang=en&slc_sid=1&atcl=1&abst_subject=27,
15. Vishakha V Sakhare, Rahul V Ralegaonkar Indoor Environmental Quality: Review of Parameters and Assessment Models, Architectural Science Review Taylor and Francis, (2013)
<http://www.tandfonline.com/doi/abs/10.1080/00038628.2013.862609#.Uzj1TKI7Ilg>
16. S.P. Raut, S.A. Mandavgane and R.V. Ralegaonkar Thermal performance assessment of recycled paper mill waste - cement bricks using the small scale

- model technique, *Journal of Energy Engineering*, ASCE, (2013)
[http://dx.doi.org/10.1061/\(ASCE\)EY.1943-7897.0000171](http://dx.doi.org/10.1061/(ASCE)EY.1943-7897.0000171)
17. Rahul V Ralegaonkar, Vishakha V Sakhare Development of multi-parametric functional index model for evaluating the indoor comfort in built environment, *International Journal of Indoor and Built Environment*, Sage Publication, (2013) doi: 10.1177/1420326X13480515.
 18. Vidya Ghuge, Alka Bharat, R V Ralegaonkar Study on variation of thermal Environment and shading within an urban open space, *International Journal of Engineering Science and Technology* volume 5 (11) (2013) pp. 1865-1870.
 19. Madhuri Bhagat, A D Ghare, Rahul V Ralegaonkar Identification and classification of flood prone areas using AHP, GIS and GPS, *Disaster Advances*, Volume 6 (11), (2013) pp. 120-131.
 20. Chetan S Dhanjode, Rahul V Ralegaonkar, Vaidehi A Dakwale Design and development of sustainable construction strategy for residential buildings: a case study for composite climate, *International Journal of Sustainable Construction Engineering & Technology*, Volume 4, Issue 1, (2013) pp. 12-20.
 21. Mangesh V Madurwar, Rahul V Ralegaonkar, Sachin A. Mandavgane Application of agro-waste for sustainable construction materials: A Review *International Journal of Construction & Building Materials*, Elsevier, Volume 38, (2013) pp. 872-878.
 22. S.P. Raut, R.V. Ralegaonkar and S.A. Mandavgane Utilization of recycle paper mill residue and rice husk ash in production of light weight bricks *International Journal of Archives of Civil and Mechanical Engineering*, Elsevier, Volume 1 3, (2013) pp. 269-275.
 23. Vaidehi Dakwale, Rahul V Ralegaonkar Application of Geothermal Cooling System in composite climate: A case study, *Journal of Energy and Fuel user's Association of India*, LXIII-3 (October-December), (2013) pp. 15-23.
 24. Vishakha V. Sakhare, Rahul V. Ralegaonkar Application of Hevacomp software for optimal design of indoor lighting, *Journal of Energy and Fuel user's Association of*

India, LXIII-2 (July-September), (2013) pp. 7-13.

25. Vishakha V. Sakhare, Sabarinath C.L., Rahul V. Ralegaonkar Estimation of Annual Energy Demand inside the Building Using Software Approach, Journal of Energy and Fuel user's Association of India, LXIII-1, (2013) pp. 17-20.
26. Shashi Murumu, Bapat R S, Ralegaonkar R. V. & Mhaisalkar V. A. Application of Homer Software Tool for Optimisation of Renewable Energy System, Journal of Energy and Fuel user's Association of India, LXIII-1, (2013), pp. 21-25.
27. A.Usmani, A., Nanda, and A. Mandal, S.K. Jain (2014), "Interaction Mechanism between Two Large Rock Caverns" Int. Journal of Geomechanics (ASCE) doi/abs/10.1061/(ASCE)GM.1943-5622.0000386.
28. Rai S., Wasewar K.L., Lataye D.H., Mukhopadhyay J., Yoo C.K. Feasibility of red mud neutralization with sweater using Taguchi's methodology. Int. J Environ. Sci. Technology. 10, (2013) 305314.
29. Singh Kalpana, Lataye Dilip H., Wasewar Kailas, Chang Kyoo Yoo. Removal of fluoride from aqueous solution: status and techniques. Desalination and Water Treatment. 51, (16-18) (2013), 3233-3247.
30. Rai Suchita, Wasewar K. L., Lataye D. H., Singh Kalpana, Chaddha M. J., Mukhopadhyay J. Seawater Neutralized Red Mud as an Adsorbent, Research J. Engineering and Tech. 4(2)(2013) 57-61.
31. Rai Suchita , Lataye Dilip H. , Chaddha M. J. , Mishra R. S. , Mahendiran P. , Mukhopadhyay J. , Yoo Chang Kyoo , and Wasewar Kailas L. An Alternative to Clay in Building Materials: Red Mud Sintering Using Fly Ash via Taguchi's Methodology, Advances in Materials Science and Engineering, Volume 2013, Article ID 757923, 7 pages, <http://dx.doi.org/10.1155/2013/757923>.
32. Varhade R.P., Lataye D.H., Khadse C. Comparative Study on the Performance of Various Electrodes for Removal of COD from Sugar Mill Wastewater, International Journal of Advances in Science and Technology (IJAST) (ISSN 2348-5426) 2014, 223-228.

33. Idris Ahmed and A. R. Tembhurkar, ""Assessment of Noise Pollution in a School Building A Case Study" International Research Journal of CBSS Vol II, issue 1(I), April 2013
34. B.V. Khode, A. R. Tembhurkar, P. D. Porey, R. N. Ingle. "Experimental Studies For Improvement In Discharge Capacity Of Open Spillway By Labyrinth Weir" Journal of Indian Water Work Association.45- 46 ,(1) , March 2014.

Computer Science & Engineering Department

1. Raut S.A. and Sathe S.R. (2013) Mining Significant Gene Biclusters from DNA Microarray. International Journal of Bioinformatics Research, ISSN: 0975-3087 & E-ISSN: 0975-9115, Volume 5, Issue 1, pp.-289-293
2. P. Paranjape-Voditel, U. Deshpande, "A stock market portfolio recommender system using association rule mining", Journal of Applied Soft Computing, Vol. 13, No.1, January 2013, pp. 1055-1063.
3. Meera Dhabu, Dr. P. S. Deshpande, Siyaram Vishwakarma, "Partition based Graph Compression", International Journal of Advanced Computer Science and Applications, Vol. 4, No. 9, 2013.
4. S. Mokhade, O. G. Kakde, "Overview of Selection Schemes in Real-coded Genetic Algorithms and Their Applications", Journal of Industrial and Intelligent Information, Vol. 2, No. 1, pp. 71-76, March 2014
5. Swati Hira, Dr. P. S. Deshpande, " Intelligent Multidimensional Modeling", Global Science and Technology Forum, Singapore, 2012, JoC Vol.2 No.3.
6. Krishnahari Thouti and S R Sathe, "Performance Analysis of Single Source Shortest Path Algorithm over Multiple GPUs in a Network of Workstations using OpenCL and MPI". International Journal of Computer Applications Vol.77(9):31-36, September 2013.
7. Krishnahari Thouti and S R Sathe, A Methodology for Translating C-Programs to OpenCL, International Journal of Computer Applications (IJCA) , Vol. 82(3), pp.11-15, November 2013.

Electrical Engineering Department

1. H. M. Suryawanshi, U. V. Patil, M. M. Renge and K. D. Kulat, "Modified Combined DTC and FOC based Control for Medium Voltage Induction Motor Drive in SVM Controlled DCMLI," EPE - European Power Electronic and Drives Journal, Vol. 23 No. 4, Belgium, Oct. 2014, Accepted in Print (ISI Recognized)
2. Rashmi Keswani, H. M. Suryawanshi and M. M. Renge, "Wavelet Modulus Maxima for Single Switch Open Fault in Multilevel Inverter," Electrical Power components and Systems (EPCS), Taylor & Francis, Accepted in Print, USA.
3. U. V. Patil, H. M. Suryawanshi, M. M. Renge, "Closed-loop hybrid direct torque control for medium voltage induction motor drive for performance improvement," IET Power Electronics, Vol. 7, No.1, Jan-2014, pp.31-40, (U. K.).
4. M. S. Ballal and H. M. Suryawanshi, "A Soft-Transition Control Strategy of Multilevel Inverter for Three-Phase Induction Motor Drive," Asian Power Electronics Journal, Vol. 7, No. 1, Sep 2013, pp.30-35.
5. M. V. Aware, "Six-phase inverter operation with SVPWM for a symmetrical single neutral load" Journal of Electrical Power components and systems, T & F, Volume 41, Issue 16, December 2013, pages 1635-1653.
6. Mahesh Pandya and Mohan V Aware, "Energy storage sizing to improve the distribution line performance" The journal of CPRI, Vol.9, No.4, Dec 2013, pp.485-490.
7. Arora, T. ; Aware, M. ; Tutakne, D. (2013), 'Life Estimation of Induction Motor Insulation under Non-Sinusoidal Voltage and Current Waveforms Using Fuzzy Logic', World Academy of Science, Engineering and Technology, International Science Index 84, International Journal of Electrical, Electronic Science and Engineering, 7(12), 1703 - 1711.
8. T. G. Arora,*, M. V. Aware, and D. R. Tutakne, "Fuzzy Logic Based Life Estimation of PWM Driven Induction Motors", Journal of Electrical and Computer Engineering Innovations (JECEI), Vol. 1, No. 2, 2013, pp.63-71.

9. Ashutosh S. Werulkar and P. S. Kulkarni , "Energy Analysis of Solar Home Lighting System With Microcontroller-Based Charge Controller", *Journal of Solar Energy Engineering*. 136(3), 031010 (Mar 04, 2014)doi:10.1115/1.4026679.
12. Piyush M. Khadke, Aditya S. Tohare, Dr. N. R. Patne, G. A. Shinde , "Fixed Series Capacitors for Increased Power Transmission Load ability of 400 KV Raipur Wardha Corridor", *IJSRD - International Journal for Scientific Research & Development* | Vol. 2, Issue 01, 2014
13. S.P.Gawande, M.R.Ramteke , "Current Controlled PWM for Multilevel Voltage-Source Inverters with Variable and Constant Switching Frequency Regulation Techniques: A Review", *Journal of Power Electronics*, vol.14, No.2, pp. 302-314, March 2014,

Electronics Engineering Department

- 1) Gaurav Pendharkar, Raghavendra Deshmukh, Rajendra Patrikar "Investigation of surface roughness effects on fluid flow in passive micromixer" *Microsyst Technology* Object Identifier (DOI) 10.1007/s00542-013-1957-y (Springer)
- 2) Amit Joshi, Vivekanand Mishra and R. M. Patrikar "Design of Real Time Video Watermarking Based on Integer DCT for H.264 Encoder" at *International Journal of Electronics* (Taylor and Francis) has been accepted without any further revision. (Jan 2014)
- 3) P K Parlewar, K M Bhurchandi, "Denoising of Digital Images using Curvelet Transform", *International Journal of Automation and Computing*, CAS-Springer, Germany, Vol 10 No.3, pp.217-226, June 2013, DOI 10.1007/s11633-013-0715-z(Springer).
- 4) Kanchan Tiwari, A.G.Kothari, "FPGA Implementation of a Reduct Generation Algorithm based on Rough Set Theory", *International Journal of Advanced Electrical and Electronics Engineering*, Volume-2, Issue-6, 2013.
- 5) Joydeep Sengupta, Anand Gajbhiye, "Series Resistance of DDR 4H-SiC Impatt diode at Ka band", *International Journal of Science & Advanced Technology(IJSAT)*,

Vol4, Issue4(ISSN 2221-8386) 2013.

- 6) Joydeep Sengupta, Girish Ghivela, Anand Gajbhiye, Bhupendra Jote, "Temperature dependence of 4H-SiC Impatt diode at Ka band", International Journal of Electrical, Electronics & Computer Systems(IJEECS), vol19, issue 2, ISSN2221-7266(online), 2013
- 7) Joydeep Sengupta, Girish Ghivela, " Dynamic Characterization & Noise Analysis of 4H-SiC Impatt Diode at Ka Band", International Journal of Soft Computing & Engineering(IJCSE)Vol-4. Issue-1, ISSN:2231-2307, 2014
- 8) Joydeep Sengupta, Monojit Mitra " Comparison of Noise Measurement of Impatt diode for Various Materials" international journal of Electrical & Electronics Engineering Research(IJEEER) vol 3, issue2 ISSN:2250-155X.
- 9) Mridula S.Korde, Abhay S. Gandhi, "Effect of Synchronization on Capacity Enhancement in WCDMA", Journal of Information and Communication Technologies, Volume 3, Issue 3, March 2013, pp 7-12, ISSN : 2047-3168
- 10) Anagha P. Rathkanthiwar, A. S. Gandhi, "New Efficient Timing and Frequency Error Estimation In OFDM", Journal of Cyber Security and Mobility, ISSN: 2245-1439 (Print Version), ISSN: 2245-4578 (Online Version), Vol: 2 Combined Issue 3 & 4 July & October, 2013
- 11) Eskinider Anteneh Ayele, R E Chaudhari and S B Dhok, "Fast Motion Estimation for Quad-Tree Based Video Coder Using Normalized Cross-Correlation Measure", International Journal of Image processing (IJIP), Vol. 7, Issue 4, pp. 330-338, Sept. 2013.

Humanities Department

Dr.Y.M.Deshpande

1. Ajay S Kelkar; Dr. Yogesh M Deshpande, Transformational Leadership: Shivaji's Leap from Guerilla to founding Father", International Journal of Management and Behavioral Sciences (IJMBS), Vol.09, March, 2013

2. Bhagyashri Bhakane; Dr. Yogesh Deshpande, Exploring work environment and its impact on Job Satisfaction among small and medium scale industries of Nagpur", International journal of Business Management and Social Sciences(IJBMSS), Vol.II, May 2013

Dr.G.N.Nimbarte

1. International Journal of Business, Management and Social Sciences (IJBMS) ISSN:2249-7463 Vol.2.issue 10(1),June 2013 on 'The importance and necessity of cultural studies in current scenario'. (Page no.58)
2. International Journal of Humanities and Environmental Issues (IRJHEI) ISSN:2277-9329 Vol.2.Issue 4, July, 2013 on "Youth and Society in Current Scenario".
3. Biannual Multi -Disciplinary Research Journal having IISN-No.2277-4491 Volume 2.No.1.Feb-2013 on "Suicidal Tendencies Among the Youths".
4. "The Knowledge and Research Review" Bi-annual Interdisciplinary Research Journal, ISSN 2320-1487 Vol.1.Issue2.July 2013 on "Marginal Groups and Agriculture".
5. "Adarsha Journal of Research & Evolution" an interdisciplinary multiannual research journal(ISSN2277-3983)Volume and number-2 August 2013on the title " The Various problems of Women and their Empowerment in India"

Mathematics Department

1. S. Kotambkar, G.P. Singh and R. Kelkar, Anisotropic Cosmological Models with Quintessence, International Journal of Theoretical Physics, Vol. 53, 449-460, February 2014.
2. P. Pramod Chakravarthy, R. Nageshwar Rao: An initial value technique for singularly perturbed differential-difference equations with a small negative shift, J. Appl. Math. & Informatics Vol. 31(2013), No. 1 - 2, pp. 131 145.
3. R. Nageshwar Rao, P. Pramod Chakravarthy: A finite difference method for singularly perturbed differential-difference equations arising from a model of

neuronal variability, Journal of Taibah University for Science 7 (2013) 128136.

4. R. Nageshwar Rao, P. Pramod Chakravarthy: A fitted Numerov method for singularly perturbed parabolic partial differential equation with a small negative shift arising in control theory, Numerical Mathematics: Theory, Methods and Applications, Vol. 7 (2014), No. 1, pp. 23-40.
5. M.Devakar and T.K.V.Iyengar, Unsteady flows of a micropolar fluid between parallel plates using state space approach, The European Physical Journal Plus (Springer), Vol 128 (4): 41(1-13), 2013.
6. M.Devakar and T.K.V.Iyengar, Generalized Stokes' problems for an incompressible couple stress fluid, International Journal of Mathematical, Computational Science and Engineering (WASET), Vol. 8 No. 1, pp. 63-66, 2014.
7. Pallavi Mahale, M. Thamban Nair, "Lavrentiev Regularization of Nonlinear Ill-Posed Equations Under General Source Condition", Journal of Nonlinear Analysis and Optimization, Vol. 4, No. 2, 193-204 (2013).
8. Abbas, M., Mishra, S. N. and Pant, Rajendra. Common fixed points for two pairs of mappings satisfying property $\$(E.A)\$$ in normed Boolean vector spaces. *Nonlinear Anal. Forum* 18 (2013), 115--121. MR3137409
9. Mishra, S. N., Pant, Rajendra and Panicker, R. Some existence and convergence theorems for nonexpansive type mappings. *Int. J. Anal.* 2013, Art. ID 539723, 7 pp. MR3078143
10. Mishra, S. N., Pant, Rajendra and Stofile, S. Fixed point theorems for set-valued generalized asymptotic contractions. *Bull. Math. Anal. Appl.* 5 (2013), no. 2, 1-7 MR3071682

Mechanical Engineering Department

1. Kuthe A. M., Sameer Raghatate, Deshmukh T. R., Dahake S. W., " Rapid prototyping assisted fabrication of the customized metatarsophalangeal joint implant (SamKu): A case report ", Rapid Prototyping Journal, 2013

2. Andhare A. B., Jithin E. V., "Analysis of Wire Vibration in Wire Electric Discharge Machining Process", Accepted for Chinese Journal of Scientific Instruments.
3. R B Kamble, Y M Puri "A Glance at Computer Aided Process Planning", International Journal Of Mechanical Engineering Research, Volume 3, Number 2, PP. 135-153, 2013.
4. Y M Puri, A P Patil S P Ambade, " Literature Review On Analysis of Sensitization and corrosion of ferritic stainless steel by different welding processes", International Journal Of Advanced Materials Manufacturing And Characterisation, February 2013.
5. Y M Puri, A P Patil P S Durugkar, "Review On Finite Element Analysis Of Temperature Distribution In Heat Affected Zone", international journal of advanced materials manufacturing and characterisation, February 2013.
6. Uddanwadiker, R., and P.G. Patil, " Evaluation of the deformations on the jaw bone due to a Band and loop, Nance appliance and Trans-palatal Arch Space-Maintainers: A three-dimensional finite element analysis", Dentistry, 3.172, 2161-1122, 2013.
7. Uddanwadiker, R. V., " Thermo-Mechanical Analysis of Restored Molar Tooth using Finite Element Analysis", International Journal of Molecular and Cellular Biomechanics, 10.4, 289-302, 201.
8. Uddanwadiker, Rashmi, "Effect of Rim Thickness on Load Sharing in the Rotating Elements", American Journal of Mechanical Engineering, Vol. 1(5), 126-130, 2013.
9. Avinash A. Thakre, "Optimization of Milling Parameters for Minimizing Surface Roughness using Taguchi's Approach", International Journal of Emerging Technology and Advanced, Volume 3, Issue 6, June 2013, 226-230.
10. S. B. Thombre, "Influence of Relative Roughness Pitch on Heat Transfer and Flow Friction in a Ribbed Rectangular Solar Air Heater", International Journal of nable

Sustainable Built Environment Elsevier Publications, IJSBE-D-13-00024, (June 2013).

11. S. B. Thombre, "Life cycle cost and carbon footprint of energy efficient refurbishment to 20th century UK school buildings", International Journal of Sustainable Built Environment Elsevier Publications,: IJSBE-D-13-00076, (Oct 2013).
12. Vaidya V.B., Sonolikar R.L., Thombre S.B., 'Heat Transfer Study of Binary Mixture of Group B Particles in the Gas Solid Fluidized Bed Using Acoustic Field', International Journal of Mechanics and Thermodynamics, Volume 4(1), P11-19, 2013
13. Vaidya V.B., Sonolikar R.L., Thombre S.B., 'An influence of Acoustic Field on Heat Transfer of Binary Mixture in Gas Solid Fluidized Bed Using Acoustic Field', International Journal of Applied Engineering Research, Volume 8(2), P171-181, 2013
14. Nikhade G. R., Chiddarwar S. S., Deshpande V. S., Adaptive Neuro Fuzzy Inference System (ANFIS) for Generation of Joint Angle Trajectory, Asian International Journal of Science and Technology, vol. 6, no.2, pp. 25-32, 2013.
15. V. B. Gawande, A. S. Dhoble and D. B. Zodape, Effect of roughness geometries on heat transfer enhancement in solar thermal systems a brief review, Renewable and Sustainable Energy Reviews, 32 (2014) 347-378
16. Milind Kshirsagar, V. R. Kalamkar, "A Comprehensive Review on Biomass Cookstoves and a Systematic Approach for Modern Cookstove Design", Renewable & Sustainable Energy Reviews, Volume 30, 2014
17. Ravi Terkar, Hari Vasudevan, V. R. Kalamkar, "Exploring the Potential Of Remanufacturing in Indian Industries for Sustainability and Economic Growth", International Journal of Business Management and Research, Volume 4 Issue 1, 2014.
18. Ravi Terkar, Hari Vasudevan, V. R. Kalamkar, "Enhancing Productivity Through Engineering and Technology, Vol. 4, No. 2, 2013.

Cost and Lead Time Reduction in Remanufacturing", International Journal of Mechanical Engineering and Technology, Vol. 4, No. 2, 2013.

19. Ravi Terkar, Hari Vasudevan, V. R. Kalamkar, "Remanufacturing for Productivity and Green Growth Sustainability: A Case Study of Printer Cartridge Sector in India, International Journal of Production Technology and Management", Vol. 4, No. 1, 2013.
20. Rajesh Patil, V. R. Kalamkar, "Heat and Temperatures in Machining: Effects and Significance", Advanced Materials Research, Vols. 622-623. 2013.
21. Rohan Nampalliwar, V. R. Kalamkar, "Experimental and Numerical Analysis of Indoor Air Distribution for Mixing Ventilation Cases", Cooling India, Vol. 9 No. 4, July 2013.
22. "Numerical evaluation of increased blood pressure due to arterial stenoses and atrophy of end organ", International journal of mechanical engineering and technology, Volume 4, Issue 5, September - October (2013), pp. 10-20

Metallurgical & Materials Engineering Department

Dr. D.R. Peshwe

1. K.N.Pande, D.R.Peshwe, Anupama Kumar, "Influence of cryogenic treatment on wear behaviour of Poly (tetrafluoroethylene) Teflon", Indian journal of cryogenics, Vol 38 (2013)
2. S.M.Kakani, S.S.Zadgaonkar, S.A.Pande, K.N.Pande, "Study and Evaluation on Effect of Ultra-Violet (UV) Radiation on the Structural and Mechanical Properties of Talc filled Polypropylene Co-polymer (TFPP)" Trans of the Ind Institute of Metals, DOI 10.1007/s12666-013-0261-y
3. S.R. Charde, M.L. Prasad, A.R. Ballal, D.R. Peshwe, M.D. Mathew, R.K. Paretkar, "Effect of Multiaxiality on the Creep Rupture Properties of 316L(N) SS", Procedia Engineering, Volume 55, 2013, Pages 474-480
4. S.R. Charde, A.R. Ballal, D.R. Peshwe, M.D. Mathew, R.K. Paretkar, "Effect of

Notch on Creep Behavior of 316L(N) SS", *Procedia Engineering*, Volume 55, 2013, Pages 517-525

5. S.R. Charde, A.R. Ballal, D.R. Peshwe, M.D. Mathew, R.K. Paretkar, "Effect of Notch on Creep Behavior of 316L(N) SS Weld Joint" *Procedia Engineering*, Volume 55, 2013, Pages 526-533
6. M. Lakshmi Prasad, A.R. Ballal, R.K. Paretkar, D.R. Peshwe, "Stress Rupture Properties of 316L(N) Stainless Steel under the Influence of Multiaxiality at Various Stress Levels", *Procedia Engineering*, Volume 55, 2013, Pages 548-552
7. Ashwini Kumar, S.J. Dhoble, D.R. Peshwe, Jatin Bhatt, "Structural and luminescence characteristics of Sr₃Al₈SiO₁₇:Eu²⁺ nanophosphors", "Journal of Alloys and compound", Volume 578, 25 November 2013, Pages 389-393
8. Ashwini Kumar, S.J. Dhoble, D.R. Peshwe, Jatin Bhatt, "Structural and Photoluminescence Properties of Nepheline-Structure NaAlSiO₄: Dy³⁺ Nanophosphors" "Journal of Alloys and compound", Accepted for publication.
9. Dipika R. Barbadikar, G.S. Deshmukh, L. Maddi, K. Laha, P. Parameswaran, A.R. Ballal, D.R. Peshwe, R.K. Paretkar, M. Nandagopal, M.D. Mathew, "Effect of normalizing and tempering temperatures on microstructure and mechanical properties of P92 steel" (Submitted to International journal of pressure vessels and piping)
10. Dipika R. Barbadikar, A.R. Ballal, D.R. Peshwe, J. Ganeshkumar, K. Laha and M.D. Mathew, "A study on the effect of tempering temperature on tensile properties of P92 steel by automated ball indentation technique".

Dr. S.G. Sapate

1. Rahul Unnikrishnan, K.S.N Satish Idury, T.P. Ismail, Alok Bhadauria, S.K. Shekhawat, Rajesh K. Khatirkar and S.G. Sapate, "Effect of Heat Input on the Microstructure, Residual Stresses and Corrosion Resistance of 304L Austenitic Stainless Steel Weldments", *Materials Characterization* (In press).
2. Abin Baburaj, K.B. Shishupal Singh Chaudhary, Rajesh K. Khatirkar and S.G.

- Sapate, "Abrasive wear behaviour of heat treated En31 steel", *ISIJ International*, 53, No. 8, (2013) pp. 1471-1478.
3. Kiran Kumar Surthi, Rajesh K. Khatirkar and Sanjay G. Sapate, "Effect of mode of rolling on recrystallization kinetics and microstructure evolution in interstitial free high strength steel sheet", *ISIJ International*, 53, No. 2, (2013) pp. 356-364.
 4. Avishkar Rathod, Sanjay G. Sapate and Rajesh K. Khatirkar, Scaling Laws of Wear by Slurry Abrasion of Mild Steel, *Applied Mechanics and Materials Vols. 446-447* (2014) pp 126-130
 5. Tejas Umale, Amarjit Singh, Y Reddy, R K Khatirkar and S G Sapate, Abrasive wear behavior of copper SiC and copper SiO₂ composites, *International Conference on Ceramics, Bikaner, India International Journal of Modern Physics: Conference Series Vol. 22* (2013) 416423

Dr. S.N. Paul

1. S. N. Paul, V. V. Karambelkar, J. D. Ekhe, Experimental design of high yield polypyrrole by Taguchi method, *Journal of engineering and application*, Vol 3(6) 2013, 89-95

Dr. R. K. Khatirkar

1. Rahul Unnikrishnan, K.S.N Satish Idury, T.P. Ismail, Alok Bhadauria, S.K. Shekhawat, Rajesh K. Khatirkar and S.G. Sapate, "Effect of Heat Input on the Microstructure, Residual Stresses and Corrosion Resistance of 304L Austenitic Stainless Steel Weldments", *Materials Characterization* (In press).
2. Himanshu Vashistha, R.V. Taiwade, Rajesh K. Khatirkar, A. Ingle and R.K. Dayal "Welding behavior of low nickel chromium-manganese stainless steel", *ISIJ International*, 54, No. 6, (2014) (accepted).
3. Abin Baburaj, K.B. Shishupal Singh Chaudhary, Rajesh K. Khatirkar and S.G. Sapate, "Abrasive wear behaviour of heat treated En31 steel", *ISIJ International*, 53, No. 8, (2013) pp. 1471-1478.

4. Kiran Kumar Surthi, Rajesh K. Khatirkar and Sanjay G. Sapate, "Effect of mode of rolling on recrystallization kinetics and microstructure evolution in interstitial free high strength steel sheet", *ISIJ International*, 53, No. 2, (2013) pp. 356-364.

Dr. J. G. Bhatt

1. Sandeep Fale, Ajay Likhite, Jatin Bhatt "Nucleation Criteria for the Formation of Aluminum Nitride in Aluminum Matrix by Nitridation Transactions of the Indian Institute of Metals" *Trans. Indian I Metals* 66(2013) 265-271.
2. B. Dipika Barbadikar, Rashmi Gautam, Sanjay Sahare, Rajendra Patrikar and Jatin Bhatt "Optimization of process parameter for the synthesis of silicon quantum dots using low pressure chemical vapour deposition" *Bull. Mater. Sci.* 36 (2013) 483-490.
3. Ashwini Kumar, S.J. Dhoble, D.R. Peshwe, Jatin Bhatt "Structural and luminescence characteristics of $\text{Sr}_3\text{Al}_8\text{SiO}_{17}:\text{Eu}^{2+}$ nanophosphor" *J. Alloys Compd.* 578 (2013) 389-393.
4. S. Vincent, Adeeba Khan, B. S. Murty, J. Bhatt "Corrosion characterization on melt spun $\text{Cu}_{60}\text{Zr}_{20}\text{Ti}_{20}$ metallic glass: an experimental case study" *J. Non-Crystalline Solids* 379 (2013) 48-53.
5. S. Vincent, J. Bhatt, B. S. Murty "Thermodynamic basis for glass formation in Cu-Zr rich ternary systems and their synthesis by mechanical alloying" *Met. Mater. Trans. A* (DOI:10.1007/s11661-013-1855-z)
6. Sandeep Fale, Ajay Likhite, Jatin Bhatt, "Study on quantification of oxide phases in ex-situ AlN/Al metal matrix nanocomposites" (In Press: *Trans. Indian I Metals.*)
7. Sandeep Fale, Ajay Likhite, Jatin Bhatt "Nanoindentation studies of ex-situ AlN/Al metal matrix nanocomposites", (In Press: *J. Alloys Compd.*)
8. Sandeep Fale, Ajay Likhite, Jatin Bhatt "The wear behavior of in-situ Al-AlN metal matrix composites" (In Press: *Trans. Indian I Metals.*)
9. Ashwini Kumar, S.J. Dhoble, D.R. Peshwe, Jatin Bhatt "Structural and

Photoluminescence Properties of Nepheline-Structure NaAlSiO₄: Dy³⁺ Nanophosphors
"J. Alloys Compd. (InPress)

Dr. A. R. Ballal

1. Dipika R. Barbadikar, G.S. Deshmukh, L Maddi, K Laha, P Parameswaran, A.R. Ballal, D.R. Peshwe, R.K. Paretkar, M Nandagopal, M.D. Mathew, "Effect of normalizing and tempering temperatures on microstructure and mechanical properties of P92 steel", *International Journal of Pressure Vessels and Piping* (submitted)
2. M. Lakshmi Prasad , A.R. Ballal, R.K. Paretkar, D.R. Peshwe, "Stress Rupture Properties of 316L (N) Stainless Steel Under the Influence of Multiaxiality at Various Stress Levels", *Procedia Engineering* 55 (2013) 548-552
3. S.R.Charde, M.L. Prasad, A.R. Ballal, D.R.Peshwe, M.D.Mathew, R.K.Paretkar, "Effect of Multiaxiality on the Creep Rupture Properties of 316L(N) SS", *Procedia Engineering* 55 (2013) 474-480
4. S.R.Charde, A.R. Ballal, D.R.Peshwe M.D.Mathew, R.K.Paretkar, "Effect of Notch on Creep Behavior of Weld Joint", *Procedia Engineering* 55 (2013) 526-533
5. S.R.Charde, A.R. Ballal, D.R.Peshwe M.D.Mathew, R.K.Paretkar, "Effect of notch on creep behavior of 316 L (N) Stainless Steel", *Procedia Engineering* 55 (2013) 517-525
6. Shivani Gour, Raghvendra Tewari, Geogy J. Abraham, Atul Ballal, G.K. Dey, "Synthesis, Characterization And Study Of Corrosion Behaviour Of Hf Based Bulk Metallic Glass", *Transactions of PMAI* (submitted)

Mrs. M. M. Thawre

1. J. Raju, Manjusha S. Duragkar, N. Jagannathan, R.K.Paretkar & C. M. Manjunatha: Prediction of Onset of Mode I Delamination Growth Under a Tensile Spectrum Load, *Journal of Materials Science Research*; Vol. 3, No. 2; pp 44-51, March 2014, Published by Canadian Center of Science and Education

Dr. R. C. Rathod

1. R. C. Rathod, S.G. Sapate R. Raman and W.S.Rathod, "Stress Corrosion Cracking Study of Aluminium Alloys using Electrochemical Noise Analysis", Journal of Materials Engg and Performance, Vol. 22 (12), pp3801-3809, December-2013 (SCI Journal)
2. R. C. Rathod, S.S. Umare, V.K. Didolkar, B.H. Shambharkar, A.P. Patil, "Production and Characterization of PANI/TiO₂ Nanocomposites: Anticorrosive application on 316LN SS", Trans. Indian Inst Met, Vol. (66(2), pp 97-104, April 2013(SCI Journal)
3. W.S. Rathod, A.S. Khanna, R.C. Rathod, "Effect of N₂ and He Carrier gases on Oxidation Behaviour of Cold Sprayed CoNiCrAlY Powder to Deposits Bond Coats", Trans. Indian Inst Met, 67 (2), pp 247- 262, March 2014 (SCI Journal)
4. W.S. Rathod, A.S. Khanna, J. Karthikeyan, R.C.Rathod, "Oxidation and Corrosion behavior of CoNiCrAlY", Accepted on 14/2/2014 in Surface Engineering (SCI Journal)
5. B.H. Shambharkar, S. S. Umare, R. C. Rathod, Synthesis and Characterization of polyaniline-Mn₃O₄ nanocomposites: Electrical conductivity and Magnetic studies", Accepted on 20/1/2014 in Trans. Indian Inst Met (SCI Journal)
6. W.S. Rathod, A.S. Khanna, J. Karthikeyan, R.C.Rathod, "Oxidation behavior of CoNiCrAlY Bond Coats Produced by High Velocity Oxy-Fuel and Cold Gas Dynamic Sprayed Nitrogen Gas", American International Journal of Research in Science, Technology Engineering and Mathematics, Vol. 3 (1), pp29-34, June- August 2013
7. W.S. Rathod, A.S. Khanna, R.C. Rathod, "Characterization of Bond Coats Produced by High Velocity Oxy-Fuel and Cold Gas Dynamic Sprayed N₂ Gas", Inter. J. Engg Innovative Tech, Vol. 2 (11), pp1-8, May 2013

Dr. A. P. Patil

1. RV Taiwade, AP Patil, RD Ghugal, SJ Patre, RK Dayal, "Effect of welding passes on heat effected zones and tensile properties of AISI 304 stainless steel and Chrome-Manganes Austenitic stainless steel", ISIJ International, Vol 53 (2013), pp102-109.

2. RV Taiwade, AP Patil, SJ Patre, RK Dayal, "Effect of solution annealing on susceptibility to intercrystalline corrosion of stainless steel with 20% Cr and *% Ni", *Journal of Materials Engineering and performance*, Vol. 22 (2013), pp1716-1728.
3. MH Alkhatafi and AP Patil, "Rapid solidification of Al-7 wt% Si, using the twin-roll technique", *International Journal of Science and Engineering Research*, Vol 4, 2013, pp 1214-1247.
4. RC Rathod, SSUmare, VK Didolkar, BH Shambharkar, AP Patil, "Production and characterization of PANI/TiO₂ Nano-composites: Anticorrosive application on 316LN SS", *Transactions of IIM*, Vol 66(2), 2013, pp 97-104
5. MS Bihade, AP Patil, "Analysis of Electrochemical current noise from metastable pitting of SS304 in NaCl solutions", *Transactions of IIM*, Vol 66, 2013, pp 155-161

Dr. A. A. Likhite

1. Sandeep Phale, Ajay Likhite, Jatin Bhatt. "Nucleation Criteria for the formation of Aluminum Nitride in Al matrix by nitridation", *Trans IIM*, June 2013 66(3). 265-271
2. Priyanshu Bajaj, K. Anirudh, Vinayak Poddar, Ajay Likhite, Dilip Peshwe & S.U. Pathak, "Effect of Austenitizing Temperature on Microstructure and Wear Properties of Low Carbon Equivalent Austempered Ductile Iron" accepted for publication in *Indian Foundry Journal*, October 2013 issue
3. S.A. Patil, Ajay Likhite et al, "Characterization of Cryogenically Treated CADI", *International Journal of Advanced Research in Science & Engineering IJARSE*, Vol No 2, Issue No 6, June 2013
4. C. L. Gogte, Ajay Likhite, D.R. Peshwe, "Feasibility of Cryogenic Treatment for Improving Lattice Strain Distribution in AA7010 Alloy", *Journal of Materials and Metallurgical Engineering*, Accepted for Publication
5. C. L. Gogte, Ajay Likhite, D.R. Peshwe et al, " Effect of Cryogenic Processing on Surface Roughness of Age Hardenable AA6061 alloy", *Journal of Materials and Metallurgical Engineering*, Accepted for Publication

Dr. R. V. Taiwade

1. Himanshu Vashishtha, R.V.Taiwade, R.K. Khatirkar, Avinash Ingle and R.K.Dayal, "Welding Behaviour of Low Nickel Chrome-Manganese Stainless Steel." Iron and Steel Institute of Japan International, Volume 54, No 06. (2014). (SCI Journal)
2. R.V.Taiwade, Rohan Shukla, Himanshu Vashishtha, Avinash Ingle and R.K.Dayal, "Effect of Grain Size on Degree of Sensitization of Chrome-Manganese Stainless Steel", iron and Steel Institute of Japan International, Volume 53, No 12. (2013), pp 2206-2212. (SCI Journal)
3. R.V.Taiwade, A. P. Patil, S. J. Patre and R. K. Dayal "Effect of Solution Annealing on Susceptibility to Intercrystalline Corrosion of Stainless Steel with 20% Cr and 8 % Ni", Journal of Materials Engineering and Performance (ASM International), Vol. 22 (2013), pp 1716-1728. (SCIE Journal)
4. R. V. Taiwade, A. P. Patil, R. D. Ghugal, S. J. Patre and R. K. Dayal, "Effect of Welding Passes on Heat Affected Zone and Tensile Properties of AISI 304 Stainless Steel and Chrome-Manganese Austenitic Stainless Steel", Iron and Steel Institute of Japan (ISIJ) International, Vol. 53 (01) (2013) pp 102-109. (SCI Journal)

Mr. Y. Y. Mahajan

1. Surabhi Bisen, Tejas Umale, Yogesh Mahajan, D.R. Peshwe "Study of Abrasive wear of Al-Zn-Mg Alloy by Taguchi Method" International Journal of Engineering Research and Technology (IJERT), ISSN: 2278-0181, Vol.2 Issue 12, December-2013

Mining Engineering department

1. Agarwal, A. K, Kadu, M. S., Pandhurnekar, C. P. and Muthreja I. L., (2013) "Removal of different metal ions from aqueous solution using coal fly ash and chitosan: Adsorption, Kinetic and leaching behavior" Journal of International Environmental Application & Science. Vol. 8(4);490:502. (ISSN:1307-0428)
2. Agarwal, A. K, Kadu, M. S., Pandhurnekar, C. P. and Muthreja I. L., (2013) "Langmuir, Freundlich and BET Adsorption Isotherm Studies for Zinc ions onto coal

- fly ash" International Journal of Application or Innovation in Engineering & Management. Vol. 3(1); 64-71. (ISSN: 2319-4847)
3. Kale, Y.G., R.R. Yerpude, 2013., Environmental audit system for opencast mines-monitoring approach for green mining. Journal of Mines, Metals and Fuels, vol 61, No 1 & 2, pp. 5-18
 4. Tete, Aruna D., Deshmukh, A.Y., Yerpude, R.R., 2013. Velocity of detonation (VOD) measurements technique practical approach. International Journal of Engineering and Technology, vol.2, no.3, pp. 259-265.
 5. C.P.Varma , Jon L Porathur, Thote N.R., P.Palroy, S.Karekal, Empirical Approaches for design of web pillar in highwall mining: review and Analysis, International journal of Geotechnology and Geol. Eng., Springer publication, DOI 10.1007/s10706-013-9713-8, ,V-32, N2, April 2014, p588
 6. Thote N R and Ch. Venkat Ramana (2014), Opencast coal mine blasting vis-à-vis slope stability: an appraisal, The Indian Mining Engineering Journal, January, V-53, N 1, pp 08

Physics Department

1. V.U. Rahangdale and V.K. Deshpande, "Study of dielectric and Ferroelectric properties of lead titanate Glass-Ceramics", Transactions of Indian Institute of metals, DOI No. 10.1007/s12666-014-0392-9, 2014.
2. D.D. Ramteke, R.S. Gedam, "Study of $\text{Li}_2\text{O}-\text{B}_2\text{O}_3-\text{Dy}_2\text{O}_3$ glasses by impedance spectroscopy", *Solid State Ionics* 258 (2014) 82.
3. D.D. Ramteke, R.S. Gedam, "Luminescence properties of Gd^{3+} containing glasses for ultra-violet (UV) light", *Journal of Rare Earths*, Vol. 32, No. 5, May 2014, P. 389 (2014)
4. D.D. Ramteke, R.S. Gedam, "Spectroscopic Properties of Dy^{3+} Containing Lithium Borate Glasses", *Spectroscopy letters* (2014) (Accepted).
5. Prashant Baviskar, Ratnakar Gore, Ahmed Ennaoui, Babasaheb Sankapal, "Cactus

architecture of ZnO nanoparticles network through simple wet chemistry: Efficient dye sensitized solar cells", *Materials Letters*, 116, (2014), Pages 91-93

6. N.B. Sonawane, R.R. Ahire, K.V. Gurav, J.H. Kim, B.R. Sankapal, "PEDOT:PSS shell on CdS nanowires: Room temperature LPG sensor, *Journal of Alloys and Compounds*", 592, (2014), Pages 1-5
7. B.R.Sankapal, H.B. Gajare, D.P. Dubal, R.B. Gore, R.R. Salunkhe, H. Ahn, "Presenting highest supercapacitance for TiO₂/MWNTs nanocomposites: Novel method", *Chemical Engineering Journal*, 247, (2014) Pages 103-110
8. D.A. Mota, G. Hema Chandra, J. Ventura, A. Guedes and J. Pérez de la Cruz "Influence of Process Parameters on the RF Sputtered GaP Thin Films", *Journal of Materials Science & Technology* 29(9) (2013) 821-829.
9. S.M. Giripunje and Jyoti Ghushie. , "Nanocomposite of PANI And ZnO: Preparation, Characterisation, Optical and Electrical Properties", *International Journal of Nano Research Vol.24.*, pp 123-132, 2013.
10. S.M. Giripunje and Jyoti Ghushie, "Tailoring the electrical properties of polyaniline/ZnO & MWCNT reinforced polyaniline/ZnO-heterojunction for photovoltaic application", communicated to *Advanced Material Letters* on 20th March 2014.

Architecture & Planning Department

1. Alpana Dongre and Pooja Pathak "Impact of Workspace design in Indian Content on Occupant's Behaviour, to enhance efficiency and comfort", *Journal of Civil Engineering and Architecture*, David Publishing House, Chicago, USA, pp: 310-322, Volume 7, No. 3, 2013
2. V.S. Kapse, Dr. Arun Pofale and Dr. Mayank Mathur, "Review of Involuntary Resettlement of Forcibly Evicted People", *National Journal of Institute of Town Planners, India*, Volume 10, page no 24, November -1, January March 2013
3. C.S. Sabnani, Madhuvanti Latkar and Utpal Sharma "Towards Establishing a New

Paradigm for Understanding Affordability in the Context of Housing for the Urban Poor", IJSRP, International Journal of Scientific and Research Publication

4. C.S. Sabnani, Madhuvanti Latkar and Utpal Sharma "Architecture for the Non elite Housing solutions Packages for the Very Poor", Journal of the Faculty of Architecture
5. A.P. Patil and A.R. Dongre, "An Approach for Understanding Encroachments in the Urban Environment based on Complexity Science", URBAN DESIGN International, Vol. 19, Iss. 1, pp., Spring 2014
6. A.P. Patil and A.R. Dongre, "Emergent Properties of the Public Realm and Encroachments in the Urban Environment", Nexus Network Journal, Accepted for publication in Vol. 16, 2014.
7. A.J. Wahurwagh and A. R. Dongre, "An Interpretation of Burhanpur Cultural Landscape: Architectural Knowledge Systems Approach", SPANDRIL, Journal of SPA, Bhopal.
8. A.Kulkarni and S.P. Bahadure, "Can Architecture Exist Without Image...?", International Journal of Advance Research In Science And Engineering, IJARSE, Vol. No.2, Issue No.8, August 2013.

5.3(b) Research Publication in International / National Conferences

Applied Mechanics Department

1. V.K. Jain & S.V. Bakre, "Evaluation of Structural System in Cold-Formed Steel for Housing Applications", Indian Conference on Applied Mechanics, Paper ID - INCAM_SM_99, IIT Madras, Chennai, 4-6 July, 2013.
2. Jagdish Allu, A Y Vyavahare, 2014, 'Parametric study of High Strength Steel Beam', IDCIS-2014, IDCIS201403022, NIT Durgapur, 3-5 April 2014.
3. Sachin Pathipaka, A Y Vyavahare, 2014, 'Behaviour of Fillet weld to Moermt Shear and Axial Force', IDCIS-2014, IDCIS201403024, NIT Durgapur, 3-5 April 2014.
4. Pravin kumar Rao, L M Gupta, 2014, 'Over Strength Factor for Steel Moment pril

Resisting Frames Designed According to Indian Seismic Codes, IDCIS-2014, IDCIS201403018, NIT Durgapur, 3-5 April 2014.

Chemical Engineering Department

1. Ganesh S Bajad, V. Varun Sai, Raj Parick, Saurabh K. Tiwari, Vijayakumar R. P., "Synthesis of carbon nanotubes from waste polypropylene over Ni/Mo/MgO catalyst" National conference on interdisciplinary blend of chemical Engineering Chemix-14, Nagpur, India, Mar 23-24, 2014.
2. Saurabh K. Tiwari, Suryanarayana S., Vijayakumar R. P., Ashok Misra, Devang V. Khakhar, "Effect of processing condition on structure and properties of injection molded PVDF / BTPC Blends" Chemcon 2013, Mumbai, India, Dec.27 30, 2013.
3. Ganesh S Bajad, Rajat Jain, Warun Harhare, Vijayakumar R. P., "Design of pyrolysis reactor and studies on conversion of waste plastic to fuel oil" Asian workshop on polymer processing AWPP- 2013, Goa, India, Dec.8 11, 2013.
4. Saurabh K. Tiwari, Shubhang S. Garodia, Vijayakumar R. P., Ashok Misra, Devang V. Khakhar, "Studies on crystallization behavior and electrical properties of PVDF/TAP films" Asian workshop on polymer processing AWPP- 2013, Goa, India, Dec.8 11, 2013.
5. Rohit S. Khedkar, Shriram S. Sonawane, Kallas L Wasewar, "Effect of nanomaterial properties on thermal conductivity heat transfer fluids and nanomaterial suspension", 4th Micro and nano Flow Conference ,MNF 2014 UCL London, 7 10 Sep 2014, (Accepted) (2014).
6. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, "Synthesis, Characterization and application of room temperature ionic liquid for extractive desulfurization of liquid fuel" DAE-BRNS symposium on (SESTEC-2014), 25-28 February 2014, held at Bhabha Atomic Research Centre, Mumbai (M.S) India. (2014)
7. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, "Imidazolium based ionic liquid as novel green solvent for extractive desulfurization of liquid fuel" -

DAE-BRNS symposium on (SESTEC-2014), 25-28 February 2014, Bhabha Atomic Research Centre, Mumbai (M.S) India. (2014).

8. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, "Design of Energetic Ionic Liquids as propellant and their challenges" National Conference on Advances in Explosives and Propellants (AEP-2014), 22nd March 2014, Department of Chemical Engineering, Visvesvarya National Institute of Technology, Nagpur (M.S) India. (2014)
9. Kanti K. Athankar, Kailas L. Wasewar, Mahesh N. Varma "Response Surface Methodology for Reactive Extraction of Phenylacetic Acid" Symposium on Emerging Trends in Separation Science and Technology (SESTEC-2014) 25-28 February 2014, Bhabha Atomic Research Center, Mumbai India (2014).
10. Deshmukh W. S., Wasewar K. L., Varma M. N, Jadhav Kirti ,Study of Effective diffusivity, Energy Consumption and Activation Energy of microwave dried ginger" National Conference on Advances in Technology, (NCOAT-NIRMITI 2014), 1-2nd Jan 2014, Department of Chemical Engineering, Priyadarshini Institute of Engineering and Technology, Nagpur (M.S) India. (2014)
11. Deshmukh W. S., Wasewar K. L., Varma M. N, Jadhav Kirti, "Study of Effective diffusivity, Energy Consumption and Activation Energy of microwave dried garlic" National Conference on Advances in Technology, (NCOAT-NIRMITI 2014), 1-2nd Jan 2014, Department of Chemical Engineering, Priyadarshini Institute of Engineering and Technology, Nagpur (M.S) India. (2014)
12. Kalpana Rewatkar Yeole, Diwakar Z. Shende, Kailas L. Wasewar "Modeling of Reactive Crystallization of Salicylic Acid" Symposium on Emerging Trends in Separation Science and Technology (SESTEC-2014) 25-28 February 2014, Bhabha Atomic Research Center, Mumbai India (2014).
13. O. M. Jichkar, V. R. Kumar, B. Mohan, R. D. Khonde and Chaurasia, A. S., "Pyrolysis of saw dust, rice husk and bagasse particles: Experiment and modeling", National Conference on Interdisciplinary Blend of Chemical Engineering (CHEMIX 2014), VNIT, Nagpur, India, 30-33, March 23-24, 2014.

14. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, "Extraction of sulfur from liquid fuels using imidazolium based ionic liquids" 66th Annual Session of Indian Institute of Chemical Engineers, (Chemcon-2013), 27-30 December 2013, Department of Chemical Engineering, Institute of Chemical Technology (ICT), Mumbai, India (2013)
15. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, "Ionic Liquids: - Energy Efficient Green Solvent for the Extractive Desulfurization of Liquid Fuels" IVth International Conference on Advances in Energy Research (ICEAR-2013), 1012 December 2013, Department of Energy Science and Engineering, Indian Institute of Technology Bombay, Mumbai (M.S) India. (2013)
16. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, and C. K. Yoo, "Extractive desulfurization of liquid fuel using 1-butyl-3-methylimidazolium hexafluoroborate" 1st International Conference on Technologies for sustainable waste management in developing countries (ICTW-2013), 2324 August 2013, Department of Chemical Engineering, Vignan University, Vadlamudi, Guntur, A.P, India. (2013)
17. Deshmukh W.S., Wasewar K. L., Varma M. N., "Investigation of Convective Drying Kinetics of Garlic" in International Conference on 'Advances in Chemical Engineering' 5-6 April 2013, Department of Chemical Engineering, National Institute of Technology (NIT), Raipur India (2013)
18. Rohit S. Khedkar, Shriram S. Sonawane, Kailas L Wasewar, "Preliminary study of thermal conductivity and viscosity of ethylene glycol with CuO nano-rod inclusions" 6th International Congress of Chemistry and Environment (ICCE 2013) Conference, 06th-10th July 2013, Antwerp, Belgium (2013)
19. A.P.Rathod, K. L. Wasewar, S. S. Sonawane, "Enhancement of esterification of propionic acid with ethanol by pervaporation reactor", 6th International Congress of Chemistry and Environment (ICCE 2013) Conference, 6th-10th July 2013, Antwerp, Belgium (2013).

20. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, "Desulfurization of model liquid fuels by Solvent Extraction with Ionic Liquids" National Conference on Green Chemistry and Environment (NCGCE-2013), 22nd March 2013, Department of Chemical Engineering, Visvesvarya National Institute of Technology, Nagpur (M.S) India. (2013)
21. S. A. Dharaskar, K. L. Wasewar, M. N. Varma, D. Z. Shende, "Ionic Liquids As Green Solvents For Desulfurization of Liquid Fuel" National Conference on Advanced Functional Materials (NCFAM-2013), 21st -23rd January 2013, Department of Chemistry, Visvesvarya National Institute of Technology, Nagpur (M.S) India. (2013)
22. Chaurasia, A. S., "Kinetics of Homogeneous and Heterogeneous Cracking of Wood Pyrolysis Tars under Conditions Approximated to Gasification and Combustion", International Conference on Energy System Modeling and Optimization (ESMOC 2013), Durgapur, West Bengal, India, 83, December 9-11, 2013.
23. Rohit S. Khedkar, Shriram S. Sonawane, Kailas L Wasewar, "Preliminary study of thermal conductivity and viscosity of ethylene glycol with CuO nanorod inclusions" ICCE 2013, 06-08 Jul. 2013, Belgium. (Accepted for oral presentation)
24. R. S. Khedkar, S. S. Sonawane, K. L. Wasewar, "Effect of temperature on thermal conductivity and , Shear rate on rheological behavior of ofCuO nanofluids" ISHMT - ASME 2013 IIT Khargpur.
25. Rohit S. Khedkar, Shriram S. Sonawane, Kailas L Wasewar, "Comparative study on thermal conductivity of Al₂O₃ and TiO₂ nanofluids", NCACE 2013 Department of Chemical engineering, VNIT Nagpur. (Presented)
26. Rathod, A.P., Wasewar, K.L., & Sonawane, S.S.Pervaporation reactor for esterification of carboxylic acids and alcohols, National conference on advanced functional materials NCAFM 2013, Jan.21 -23, 2013, VNIT, Nagpur.
27. Rathod, A.P., Wasewar, K.L., & Sonawane, S.S.Enhancement of esterification of propionic acid with ethanol by pervaporation reactor , 6th International Congress

of Chemistry and Environment (ICCE 2013) Conference, July 8-10, 2013, Antwerp, Belgium

28. Tajane ,S.P.& Mandavgane S.A., Novel technique of preparing neem biopesticide , National Conference on Green Chemistry and Engineering VNIT, Nagpur, India (22, March 2013)

Chemistry Department

Dr.J.D. Ekhe

1. National Conference on Frontier Areas in Chemistry (NCFAC2013) Dr.J.D. Ekhe

Dr. Ramani Motghare

1. Rakesh Chillawar, Ramani V. Motghare, "Voltammetric Determination of L-histidine Based on Molecularly Imprinted Polypyrrole Modified Pencil Graphite Electrode" 11th International Discussion Meet on Electrochemistry and its Application Organised by Indian Society for Electroanalytical Chemistry (ISEAC), Amritsar, Punjab. Feb.20-25,2014
2. Kiran Kumar Tadi, Ramani V. Motghare and V. Ganesh, "Electrochemical Detection of Sulfanilamide Using Pencil Graphite Electrode Based on Molecular Imprinting Technology", 11th ISEAC International Discussion Meet on Electrochemistry and its Application, Amritsar, Panjab. Feb. 20-25, 2014.

Dr.Sangesh Zodape

1. International Conference: The magnehydrogen in hadronic chemistry, AIP Conference Proceedings 1558, 648 (2013) ; doi: 10.1063/1.4825575.

Civil Engineering Department

1. Y.B. Katpatal , S.S. Rathore, S. S.Shirkhedkar, Influence of Engineering rock properties and historical ground shaking indicators on Seismic microzonation of India, 75th EAGE Conference & Exhibition incorporating SPE EUROPEC 2013, London, UK, 10-13 June, 2013

2. Tauseef A Ansari, Y.B. Katpatal, Temporal Analysis of surface and subsurface hydrological regime in a urban watershed between 2000-2010 using geoinformatics approach, HYDRO 2013 International, XVIII Conference on Hydraulics, water resources, Dec. 4-6, 2013, Dept of Ocean and Civil Engineering, IIT Madras Chennai, India.
3. Bothale Rajashree Vinod and Katpatal Yashwant B., Influence of ENSO on Rainfall, Streamflow and Vegetation in Pranhita Catchment, India International Conference on Environmental Science and Technology 2014, (ICEST2014, June 9-13, 2014), American Academy of Sciences Houston, TX 77036 USA.
4. Shirkhedkar S.S Katpatal Yashwant B., Exploring present status of seismic risk zones in India through GIS technology, Int. Conf on Disaster Management, in collaboration with Northern Illinois University USA and SEGI University, Malaysia at YCCE Nagpur.
5. D. M. Bhandarkar, S. S.Rathore & Y.B.Katpatal, Estimation of Runoff for Design of Water Harvesting Ponds in Vertisols of Madhya Pradesh, International Conference on Civil, Mechanical, Biological and Medical Engineering (ICMBME) ISBN: 978-3-642-24819-9, 20th April 2014, Nagpur.
6. Tauseef AAnsari, Y.B. Katpatal, Change detected in groundwater quality of Nagpur Urbana area- Remote Sensing and GIS based approach, Int. Conference on Advance research applications in Engineering and Technology, Rungata Group of Institutions, Bhilai-Raipur, India, Saklecha, P.P.* Katpatal, Y.B., Agarwal, D.K., Rathore S S, 2013.
7. Foundation Characterization of Weathered Basaltic Terrain Using Spatial Analysis, Proceedings of Indian Geotechnical Conference December 22-24, 2013, IIT, Roorkee.
8. Saklecha, P.P.* Katpatal, Y.B., Agarwal, D.K., Rathore, S.S., Estimation of subgrade strength by artificial neural network, Proceedings of Indian Geotechnical Conference December 22-24, 2013, IIT, Roorkee.

9. Vijay Bhusari, Katpatal Y B, Kundal P., Artificial recharge to augment drinking water sources in scarcity affected areas using Wardha Pattern: A case study of Wabgaon village, Wardha District, Maharashtra, Nat. Seminar on Groundwater and Lakes: Recent Advancements and Environment Aspects, 20 and 21 Feb. 2014, Nagpur.
10. Gupta, R., Dongre, S. and Tyagi, A. "Optimal design of Level-1 redundant water distribution networks with fuzzy demand.", World Environmental and Water Resources Congress organized by EWRI and ASCE, Cincinnati, Ohio, USA. 1382-1391. May 19-25, 2013.
11. Gupta, R., Vaidhya, A., and Abdy Sayyed, M.A.H. "Comparison of sewer designs for two different d/D criteria: A case study of two zones of Solapur Towns.", National Seminar on Emerging trends in Sewerage and Sewage Treatment organized by IWWA Mumbai Centre, Thane, 66-74. October 25-26, 2013.
12. Gupta, R., and Chandragade, A. "Peak factor curve for estimating peak flows in design of sewer networks: A case study of Gadchiroli City.", National Seminar on Emerging trends in Sewerage and Sewage Treatment organized by IWWA Mumbai Centre, Thane, 24-32, Oct. 25-26, 2013.
13. Rathi, S. and Gupta, R. "Review of sensor placement methods for contamination detection in water distribution networks", "Hydro 2013" National conference organized by Indian Society for Hydraulics, Dec. 4-6, 2013.
14. Rathod, V., Kadu, M. S., and Gupta, R. "Head loss in pipe-valve assembly used as a flow control device in large diameter leading mains", 46th Annual Convention of Indian Water Works Association, Bangalore, 223-230, Jan 17-19, 2014.
15. Aniruddha D Ghare, Avinash M Badar and Valsson Varghese, "Flow Simulation for Estimation of Discharge through Rectangular Channel using Mobile Cylinder" National Conference on Hydraulics, Water Resources 'HYDRO 2013', IIT Madras, Chennai, pp 608-615, Dec 4-6, 2013
16. A.D. Ghare, I. L. Muthreja, R. R. Yerpude, L. K. Dhote and G. G. Manekar, " Head at

- Loss Characteristics of Hydrotransport of Alternative Stowing Material in Underground Mines”, National Conference on Water Resources Management, Achievements and Challenges 'WRM-AC 2014' at Jamia Millia Islamia, New Delhi, pp 106-115, Mar 22, 2014
17. Ashutosh Shrivastava, D. Abhilash, U. Santosh, G. Pruthvi Raj and A. D. Ghare, “Case Study on Effect of Variation of Time Step on Outflow Hydrograph using Modified Pulse Method” National Conference on Water Resources Management, Achievements and Challenges 'WRM-AC 2014' at Jamia Millia Islamia, New Delhi, pp 193-202, Mar 22, 2014
 18. Madhuri Bhagat, Rahul V Ralegaonkar, A.D. Ghare Sustainable construction for survival and safety of flood affected stakeholders, International Conference on Sustainable Development, Ontario International Development, Chandigarh Judicial Academy, Chandigarh, Punjab, India December 04, 05, 2013.
 19. Vishakha Sakhare, Dhruv Deshmukh, Prachi Kala and Rahul V Ralegaonkar Development of strategy for implementing green technologies in on-site worker's colonies of residential townships International Conference on Energy, Environment, Eco-friendly Buildings Jointly organized by Jain University, IGBC, Indian National Academy of Engineering 19-21 September 2013, Bangalore, India.
 20. A S Kulkarni, V A Dakwale & R V Ralegaonkar Experimental investigation of thermal and visual performance of windows glass material, RICS COBRA 10-12 September, 2013, New Delhi, India.
 21. A N Raut, M V Madurwar & R V Ralegaonkar Physico-mechanical properties investigation of innovative sustainable construction material, RICS COBRA 10-12 September, 2013, New Delhi, India.
 22. M V Madurwar, R V Ralegaonkar, S. A. Mandavgane & S. P. Raut Techno-economic feasibility of integration of green technologies for affordable housing, Second World Construction Symposium on Socio-economic sustainability in construction: Practice, Policy & Research, 14-15 June, 2013 Colombo, Sri Lanka.

23. S. P. Raut, R V Ralegaonkar, S. A. Mandavgane & M V Madurwar *Use of recycle paper mill residue and fly ash in production of waste-create bricks*, Second World Construction Symposium on Socio-economic sustainability in construction: Practice, Policy & Research, 14-15 June, 2013 Colombo, Sri Lanka.
24. Vishakha Sakhare, Sabrinath C L and Rahul V Ralegaonkar *Application of e-Quest Software tool for Energy Conservation in Existing Hospital Buildings-Case Study*, 6-8 February, 2014, Indian Building Congress, New Delhi.
25. K. Chandrakanth, Vaidehi A. Dakwale, Rahul V. Ralegaonkar *Investigation of Effect of Building Design Parameters on Energy Efficiency of Building by Simulation Approach*- All India Seminar on Innovations in Green Building Technology, 17-18 January, 2014, IEI, Nagpur.
26. Rijuta S. Bapat, Rahul V. Ralegaonkar and Vasant A. Mhaisalkar *Economic Feasibility Study of Solar Water Heater in Residential Apartment Building*- All India Seminar on Innovations in Green Building Technology, 17-18 January, 2014, IEI, Nagpur.
27. Sukriti Gupta, Sindhuja Yalamanchili, Ajinkya Daware, Rahul Ralegaonkar and Sachin Mandavgane (2014) *Economic Study of Brick Manufacturing using Paper Waste*- All India Seminar on Innovations in Green Building Technology, 17-18 January, 2014, IEI, Nagpur.
28. Shweta Banerjee, Vishakha Sakhare, Rahul V Ralegaonkar (2013) *Application of ArcGIS for e-Governance of Rural Water Management*, 14th ESRI India User conference, 11-12 December 2013, ESRI, New Delhi.
29. Mandal, A., Kumar C, Altaf Usmani, Nanda A., (2012). "Geotechnical Monitoring for Safe Excavation of Large Rock Cavern: A Case Study. 31st International Symposium on Automation and Robotics in construction and Mining (ISARC 2014) July 9-11, 2014, Sydney, Australia.
30. Kumar C., Mandal, A., Nanda A., Jain S. K. (2013). "Design Practice for Large Underground Structures" 29-31 May 2013, INDOROCK-2013 Fourth Indian Rock

Conference, H.P., India.

31. Varhade R.P., Lataye D.H. Comparative Study on the Performance of Various Electrodes for Removal of COD from Sugar Mill Wastewater. International Conference on Advances in Chemical Engineering organized by Department of Chemical Engineering, NIT Raipur, India, April 5-6, 2013
32. Varhade R.P., Lataye D.H. Effect of current density on removal of COD from Sugar mill waste water using SS and Al Electrodes. International Conference On Future Trends In Structural, Civil, Environmental and Mechanical Engineering FTSCEM 2013, Bangkok, Thailand, July 13-14, 2013
33. Singh K., Lataye D. H., Wasewar K. L. A need of fluoride free water in rural water supply. Proceedings of National Conference on Green Chemistry & Engineering (NCGCE-2013), Organised by Department of Chemical Engineering, VNIT, Nagpur, India, March 22, 2013.
34. Salkar V. D., Dr. A. R. Tembhurkar, S. V. Ramchandre, "Back Flushing Routine for Enhanced Performance of Upflow Gravity Filter" National Seminar on Recent Practises and Application in Civil Engineering at Walchand College of Engineering, Sangli 31st May 1st June 2013

Computer Science Engineering Department

1. "Performance Evaluation of Parallel implementation of NW Algorithm using OpenMPI and OpenMP/MPI (ICECCS 2013) 2nd International Conference on Eco-friendly Computing and Communication Systems 17-19 October 2013, JUIT, India.
2. "Performance Evaluation of Parallel implementation of NW Algorithm using OpenMP and OpenMP/MPI", Advances in Energy Aware Computing and Communication Systems". McGraw Hill Education, ISBN-10: 9351343324, Proceedings of 2nd International Conference on Eco-friendly Computing and Communication Systems (ICECCS) 17-19 October 2013, JUIT, Wagnaghat, HP, India

Electrical Engineering Department

1. ShelasSathyan and H. M. Suryawanshi, "Interleaved high step up converter for renewable energy sources," IEEE international conference, Industrial Electronics Society, IECON 2013, 39th Annual Conference, Vienna, Austria, pp.918-923, 9-11 Nov.2013.
2. Mohammed Imran Khan, H. M. Suryawanshi, "High Frequency Link Active-Clamp PushPull Inverter using Modulated SPWM for Battery Sourcing Applications," *International Conference on Electrical Engineering & Computer Science And Advanced Research in Mechanical Engineering*, 19th May, 2013
3. Mahesh Pandya M.V. Aware, "Enhancing the distribution capacity through energy storage" International conference on Industrial Technology, ICIT 2013, Pages(s):1739-1744, Cape Town, South Africa
4. P.A. Venikar, M.S. Ballal, B.S. Umre and H.M. Suryawanshi, "Condition assessment of transformer by Park's vector and symmetrical components to detect inter-turn fault", IEEE 1st International Conference on Condition Assessment Techniques in Electrical Systems (CATCON), Kolkata, India, pp. 163-168, 6-8 December 2013.
5. M.S. Ballal, H.M. Suryawanshi, D. M. Ballal and B. N. Choudhari, "Computational intelligence algorithm based condition monitoring system for power transformer", IEEE 1st International Conference on Condition Assessment Techniques in Electrical Systems (CATCON), Kolkata, India, pp. 163-168, 6-8 December 2013.
6. Sandeep. N, Mutta Krishna Murthy, P. S. Kulkarni "Single-Phase Grid-Connected Photovoltaic System Based on Ripple Correlation Control Maximum Power Point Tracking", IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS -2014), MANIT Bhopal, 1-2 March 2014.
7. Sandeep. N, Prachi Salodkar, P. S. Kulkarni "A New Simplified Multilevel Inverter Topology for Grid-Connected Application", IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS -2014),

MANIT Bhopal, 1-2 March 2014.

8. Dharavath Mallesh, M. A. Chaudhari, "Analysis and control of double input DC-DC converter", IEEE SCEECs 2014, at MANIT Bhopal, 1st-2nd March 2014.
9. R. J. Satpulay, M. A. Chaudhari, "Third harmonic injection technique for dynamic voltage restorer with repetitive controller" at the International conference on Advance Electrical and Electronics Engineering(ICAEEE) , Bangalore , 28th April, 2013.
10. B. S. Umre, Rachananjali K., Rambabu, "Comparision of Prefiring NGH Scheme and Phase Imbalance Scheme for Stabilizing Torsional oscillations", International Conference on Electrical Engineering and Computer Science, Coimbatore, 21st April 2013.
11. S. Pattnaik, B. S. Umre, Diksha Khare, "Green Energy Powered Multiphase Buck Converter for Microprocessors", 4th International Symposium on Power Electronics for Distributed Generation Systems, Rogers, Arkansas, July 8-11, 2013.

Electronics Engineering Department

1. Hemprasad Patil, S. Bharambe, A Kothari, K Bhurchandi, "Localization and detection of human faces in color images", IEEE Computer Society Conference, New Delhi, 21st-23rd February, India, 2013.
2. S Bharambe, R.Thakkar, H. Patil, K Bhurchandi, " An Eye for Blinds", TI Educatorss' Conference, Bangalore, IEEE Explore Digital library, 4-5April 2013.
3. Vipul Lande, K M Bhurchandi, "Design of a Low Cost System for Remote Monitoring of Energy Meters" , IEEMA-2013, New Delhi 21-23 February 2013. Conference on Intelligent Robots and Systems (IROS 2014).
4. S bharambe, R Thaker, H Patil, S Chiddarwar, K Bhurchandi, "REBiS; A Configurable Bipedal Snake Robot", IEEE/IRS Conference on Intelligent Robotics and Systems,IROS2014, Tennese, USA (accepted).

5. Kanchan Tiwari, A.G.Kothari, "Attribute Reduction Algorithm for Inconsistent Information System using Rough Set Theory", IET digital library Third International Conference on Computational Intelligence and Information Technology, CIIT 2013, Oct 18-19, 2013 Mumbai, India
6. Kanchan Tiwari, A.G.Kothari, "Spanner Shaped Ultra Wideband Patch Antenna", SECS-2014, MNNIT Allahabad, May 28-30, 2014.
7. Nandakumar, A.G.Kothari, "Re- Configurable RF front End Design for Cognitive Radio", ICACCI International Conference on Advance computation communication & informatics, Noida, 24-27 sept. 2014.
8. Manoj Stanley, Chetan Waghmare, A.G. Kothari, "Ultra Wide Band Spectrum Monitoring using Spanner Shaped UWB patch Antenna and Energy Detection Algorithm", IEEE, Indian Antenna Week with NITTTR, 26-30 May, 2014 Chandigarh, India.
9. R.M.Patrikar "Effects of surface roughness on fluid flow in micromixers" Invited Talk at ISSS NC6 Sixth ISSS National Conference 2012 (ISSS-NC6) 6-7, September 2013
10. Navin D. Anwani, Raghavendra B. Deshmukh, Rajendra M. Patrikar EWOD based digital microfluidics, Design, fabrication and Testing of a low cost test chip. Sixth ISSS National Conference 2012 (ISSS-NC6) 6-7, September 2013
11. Jayu Kalambe , Rajendra M. Patrikar "Microcantilever based accelerometer with feedback control" Sixth ISSS National Conference 2012 (ISSS-NC6) 6-7, September 2013
12. Akanksha D. Singh*, Deepak G. Khushalani, Rajesh S. Pande, Rajendra M. Patrikar "MEMS Ccantilever Switcg based Low Pass Filter" Sixth ISSS National Conference 2012 (ISSS-NC6) 6-7, September 2013
13. Kukade, C.T. ; Deshmukh, R.B. ; Patrikar, R.M. "A Novel Parallel Multiplier for 2's Complement Numbers Using Booth's Recoding Algorithm" Electronic Systems, Signal Processing and Computing Technologies (ICESC), 2014 International

- Conference on Digital Object Identifier: 10.1109/ ICESC.2014.103 Publication Year: 2014, Page(s): 93 - 98
14. Kalambe, J. ; Patrikar, R. "Design and Development of Microcantilever Based Detector"
Electronic Systems, Signal Processing and Computing Technologies (ICESC), 2014
International Conference on Digital Object Identifier: 10.1109/ICESC.2014.64
Publication Year: 2014, Page(s): 335 - 340
 15. Borkar, P. ; Kalambe, J. ; Patrikar, R. "Impact of design parameters on actuation voltage and response time for micro-cantilever based device" India Conference (INDICON), 2013 Annual IEEE Digital Object Identifier: 10.1109/INDCON.2013.6726069 Publication Year: 2013, Page(s): 1 - 6.
 16. Dhavse, R. ; Muhammed, F. ; Sinha, C. ; Mishra, V. ; Patrikar, R.M. "Memory characteristics of a 65 nm FGMOS capacitor with Si quantum dots as floating gates" India Conference (INDICON), 2013 Annual IEEE Digital Object Identifier: 10.1109/INDCON.2013.6725910, Publication Year: 2013, Page(s): 1 - 3
 17. Deshmukh, A.A. ; Deshmukh, R.B. ; Patrikar, R.M. , "An efficient implementation of self timed audio Sigma-Delta Modulator" Micro-Nanoelectronics, Technology and Applications (EAMTA), 2013 7th Argentine School of Publication Year: 2013, Page(s): 27 - 31
 18. Jose Joseph and Rajendra Patrikar : 'Impact of Fin Width and Graded Channel Doping on the Performance of 22nm SOI FinFET',Seventeenth International Symposium on VLSI Design and Test (VDAT 2013), July 2013
 19. Shrirang Korde, Amol Khandare, Raghavendra Deshmukh and Rajendra Patrikar , "Computational Functions' VLSI Implementation for Compressed Sensing" Seventeenth International Symposium on VLSI Design and Test (VDAT 2013), July 2013.
 20. Anagha P. Rathkanthiwar, A. S. Gandhi, "A New Timing Metric for Timing Error Estimation in OFDM", GWS-13, an IEEE conference Atlantic city, New Jersey, USA

organized by IEEE Denmark section, IEEE North Jersey section & Aalborg University. 24-27 June, 2013

21. Anagha P. Rathkanthiwar, A.S. Gandhi, "New Algorithm With Simple Training Symbol For Timing Error Estimation Of OFDM System", International Conference on Advances in Computing, Communications and Informatics (ICACCI-2013), IEEE Communication Society SJCE, Mysore, Karnataka, India August 22-25, 2013.
22. Hashmi Mohammad Farukh, Vijay Anand and Avinash G. Keskar. "Copy-move Image Forgery Detection using an Efficient and Robust Method Combining Un-decimated Wavelet Transform and Scale Invariant Feature Transform." In proceedings of 2014 AASRI Conference on Sports Engineering and Computer Science (SECS 2014), June 21-22, 2014, London, U.K.
23. Hashmi Mohammad Farukh and Avinash G. Keskar. "Computer-Vision Based Visual Inspection and Crack Detection of Railroad Tracks." In proceedings of 2014 International Conference on Circuits, Systems, Signal Processing, Communications and Computers, EUROPEMENT-2014, Venice, Italy, pp.102-110, 15-17, March 2014.
24. Anand Vijay, Mohammad Farukh Hashmi and Avinash G. Keskar. "A Copy Move Forgery Detection to Overcome Sustained Attacks Using Dyadic Wavelet Transform and SIFT Methods." In proc. of Springer Lecture Notes Series in Artificial Intelligence of 6th Asian Conference on Intelligent Information and Database Systems (ACIIDS-2014), Bangkok, Thailand, pp. 530-542, April 7 - 9, 2014.
25. Hashmi Mohammad Farukh, Avinash G. Keskar. "Copy Move Forgery Detection using DWT and SIFT Features." In Proc. of 13th IEEE International Conference on Intelligent Systems Design and Applications (ISDA-2013), Kuala Lumpur, Malaysia, pp.188-193, December 2013.
26. Hashmi Mohammad Farukh, Avinash G. Keskar "Image forgery detection and classification using HMM and SVM Classifier" 9th International Conference on Intelligent Unmanned Systems 2013 (ICIUS2013), organized by Indian Institute of

Technology Kanpur, Aeronautics Research and Development Board and Department of Science and Technology in collaboration with the International Society of Intelligence Unmanned Systems (ISIUS-2013), Jaipur, India ,pp 25-27, September 2013.

27. Hashmi Mohammad Farukh, Avinash G. Keskar "Video Surveillance for Disorganized Traffic Flow at T Intersections" " in Proc. of Elsevier , 7th International Conference on Image and Signal Processing (ICISP-2013), Bangalore India , Book Series Elsevier Science and Technology, Elsevier India,(ISBN 9789351071020), Vol.4,pp 51-61, August 2013. (Awarded As a Best paper Award)
28. P. P. Gangal, V. R. Satpute, Kishor D. Kulat, Avinash G. Keskar, " New Approach For Object Detection and Tracking Using 2D DWT", International Conference on Electronics and Communication System, ICECS-2014, February 13-14 2014.
29. Ch. Naveen, Vishal R. Satpute, Kishor D. Kulat, Avinash G. Keskar, "Video Encoding Techniques Based on 3D-DWT", 2014 IEEE Students' Conference on Electrical, Electronics and Computer Science, SCECS 2014, March 1-2, 2014, pp.-1-6
30. Ch. Naveen, Vishal R. Satpute, Kishor D. Kulat, Avinash G. Keskar, "Fast and Memory Efficient 3D-DWT Based Video Encoding Techniques", Proceedings of the International Multi Conference of Engineers and Computer Scientists 2014 Vol. I, IMECS 2014, March 12 - 14, 2014, Hong Kong, pp.- 427-433.(Awarded Certificate of Merit)
31. R E Chaudhari and S B Dhok, "Acceleration of Fractal Video Compression using FFT", 15th IEEE International Conference on Advanced Computing Technologies, (ICACT-2013), India. Sept 2013 (Best Paper award)

Humanities Department

Dr.G.N.Nimbarte

1. 'Dignity of Lives and Human Rights', Interdisciplinary International Conference organized by Ramkrishana Mahavidhalaya,Darapur on 'Theories of Identity in Human Rights and r,B.R.Ambedkars Thoughts'from 11th &12th January,2013.

2. 'Globalization, Market and Distribution in current scenario.', International conference proceeding on 'Rethinking India: Perspectives from Below' on 27th Feb 2013 organized by Association of Interdisciplinary Policy Research and Action'.
3. 'Effects of Globalization on Developing Countries', Conference proceeding in 5th Mahatma Fule Social Research International Interdisciplinary Conference on 'Global Economic Crises & Ideology of Mahatma Fule Future of India' on Sunday 3rd March 2013 at Smt. Radhikatai Pandav Engineering College, Nagpur.
4. 'The importance and necessity of cultural studies in current scenario'. in International Conference on "Innovative Strategies in Commerce, Management, Engineering, Technology and Social Sciences" organized by The Global Open University, Nagaland at Shree Damodar College Complex, Margo, Goa from 11th to 12th June 2013.
5. 'The Role of Education for Enhance the Educational Status of Farmers in Maharashtra', 39th All India Sociological Conference organized by Karnataka Open University, Mysore. during 27th -29th December, 2013.

Mechanical Engineering Department

1. Andhare A. B. and Jithin E. V., "Analysis of Wire Vibration in Wire Electric Discharge Machining Process", Ninth International Conference on Vibration Engineering and Technology of Machinery VETOMAC IX, Nanjing, China, August 20-23, 2013.
2. Pungle R. G., Thorat H. T. and Andhare A. B., " Mapping Between Planes of Co-Planer Points Using Stationary Camera", Second International Conference on Intelligent Robotics, Automation and Manufacturing, IRAM, pp. 109-117, IIT Indore, 16-18 December 2013.
3. K. M. Ashtankar, Dr. A. M. Kuthe, Bechu Singh Rathour; "Effect of build orientation on mechanical properties of rapid prototyping (fused deposition modelling) made acrylonitrile butadiene styrene (abs) parts", ASME 2013 International Mechanical

Engineering Congress & Exposition (IMECE2013), November 15-21, 2013, San Diego, California, USA

4. B. R. Borkar, Dr. Y. M. Puri, "Automatic CNC part programming for through hole drilling" International Conference on Advances in Manufacturing and Materials Engineering (ICAMME-2014), NIT, Surathkal, Karnataka, India, 27-29 March 2014.
5. S.P. Ambade, Dr. A. P. Patil, Dr. Y. M. Puri, "Effect of welding process on corrosion of 409M Ferritic stainless steel Mild " CORSYM2014, , IIT, BOMBAY, India 20-21 February 2014.
6. M.Gupta, K. Bansal, and A.K. Singh , "Mass and length dependent chaotic behavior of a double pendulum," presented in ACDOS-2014 at IIT Kanpur, during 13th-15th March-2014. Paper no-71.
7. A.K.Singh, and T.N.Singh "Dynamics of multiple spring-mass model with rate and state friction," presented in International Conference in Advances in Mechanical Engineering (ICAME-2013) at COEP, Pune during 29th-31st May-2013. Paper no.ICAME S16-O1
8. Rashmi Uddanwadiker, Aayush Kant, P.M.Padole, "Dynamic Analysis of Impact of Ball on Cricket Bat and Force Transfer to the Elbow" International Conference on Machines and Mechanism, IIT Roorkee, Nov 2013
9. Rashmi Uddanwadiker, Vikram Uddanwadiker and Shital Chiddarwar, "Fabrication of Accurate bone implant geometry using Puzzle solving Technique", International Conference on Machines and Mechanism, IIT Roorkee, Nov. 2013
10. A. A. Thakre, Atul Kumar, Developing an Optimistic Model on food Security, Proceedings of the International Conference on Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT), July 01-03, 2013, S.-V. National Institute of Technology , Surat.
11. A. A. Thakre, Krishna. K. Gupta, Optimization model for Inventory Distribution, Proceedings of the International Conference on Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT), July 01-03, 2013, S. V.

National Institute of Technology , Surat.

12. Shrivastava N. K., Thombre S. B., A Thermal Model For Passive Direct Methanol Fuel Cell Performance Prediction, Paper No: HMTc1300363, Proceedings of the 22th National and 11th International, ISHMT-ASME Heat and Mass Transfer Conference, IIT Kharagpur, India, December 28-31, 2013.
13. Shelke R.S., Thombre S.B., 'Performance Degradation Of Dye Sensitized Solar Cells With Respect To Time, Paper No: HMTc1300564, Proceedings of the 22th National and 11th International, ISHMT-ASME Heat and Mass Transfer Conference, IIT Kharagpur, India, December 28-31, 2013,
14. Deshmukh H.S., Thombre S.B., 'Thermal Performance Of A Single Slope Single Basin Solar Still With Passive Storage Element', Paper No: HMTc1300632, Proceedings of the 22th National and 11th International, ISHMT-ASME Heat and Mass Transfer Conference, IIT Kharagpur, India, December 28-31, 2013,
15. Chiddarwar, S. S., (2013) Model Based Off-Line Method for Velocity Trajectory Compensation, Proceedings of the 1st International and 16th National Conference on Machines and Mechanisms (iNaCoMM2013), IIT Roorkee, India, Dec 18-20, 2013, pp 1058-1063. (poster)
16. Uddanwadiker R.V., Uddanwadiker, V., Chiddarwar, S. S., (2013) Fabrication of accurate bone implant geometry using puzzle solving technique, Proceedings of the 1st International and 16th National Conference on Machines and Mechanisms (iNaCoMM2013), IIT Roorkee, India, Dec 18-20, 2013, pp 890-895. (poster)
17. Ranjit Singh, V. R. Kalamkar, "Experimental and Numerical Analysis of Jet Impingement Heating on Cylindrical Body", Proceedings of International Conference on Advances in Mechanical Engineering, COE, Pune, May 29-31, 2013
18. "Low cycle fatigue life prediction techniques", International Conference on Machines and Mechanisms, IIT Roorkee, Nov 2013.
19. "Powertrain mounting optimization by using basic genetic algorithm", International Mechanical Engineering Congress, NIT Trichy, 2014

Metallurgical & Materials Engineering Department

Dr. D. R. Peshwe

1. P. Y. Deshmukh, D. R. Peshwe, S. U. Pathak, "Characteristic TGA behavior of rice husk ash SiO_2 " Oral presentation at NCGCE 2013 (National conference on green chemistry engineering) Chemical Engineering Department VNIT, 22/03/2013, 190-197
2. A. Jain, Dr. S.G.Dhoble, D.R.Peshwe 'Synthesis and Luminescence Characterization of Polymer Capped $\text{Ca}_2\text{P}_2\text{O}_7:\text{Dy}^{3+}$ Phosphor' UGC sponsored national conference on Advanced Materials (NCAM-2014) March-01-2014.
3. L.P.Maddi, A.R.Ballal, D.R.Peshwe, R.K.Paretkar, M.D.Mathew "Effect of tempering temperature on the stress rupture properties of P92 steel" at NMD ATM 2013, IIT (BHU) 12-15 November 2013
4. Ashish Kulkarni*, Ashwini Kumar, Varun Mohan, S.J. Dhoble, Jatin Bhatt and D.R. Peshwe "Structural and Photoluminescence study of Solution-Combustion synthesized $\text{Ba}_{13}\text{Al}_{22}\text{Si}_{10}\text{O}_{66}:\text{xEu}^{3+}$ ($\text{x} = 0.1$ to 1.0 mol %) Red-Nanophosphors" to be presented in International Conference on Luminescence (ICL'14), July 2014, Wroclaw, Poland.
5. Ashwini Kumar, S.J. Dhoble, D.R. Peshwe, Jatin Bhatt, "Structural characterization and influence of sintering temperature on luminescence properties of $\text{Sr}_{0.91}\text{Mg}_{2}\text{Al}_{5.82}\text{Si}_{9.18}\text{O}_{30}:\text{Eu}^{3+}$ nanophosphors" (Selected for presentation in Material Research Society(MRS) -2013,BOSTON), Dec.1-6,2013
6. Ashwini Kumar, S.J. Dhoble, D.R. Peshwe, Jatin Bhatt, "Luminescence properties of $\text{Ce}^{3+}/\text{Dy}^{3+}$ activated $\text{Ca}_{20}\text{Al}_{26}\text{Mg}_3\text{Si}_{30}\text{O}_{68}$ nanophosphor", 67th National Metallurgical Day-Annual Technical Meeting of Indian Institute of Metals, November 2013, Varanasi, India.

Dr. S.G. Sapate

1. B Rathod, S G Sapate, R .K.Khatirkar, Slurry abrasive wear behavior of weld , India

- deposited alloy steel using silica sand slurry, Proceedings of the International Conference on Emerging Materials and processes, (2014), IMMT, Bhuneshwar, India
2. Kritika Singh, R.K. Khatirkar and S.G. Sapate, "Effect of microstructure on the abrasive wear of D2 steel", Proceedings of the International Conference on Advances in Tribology, (2014), NIT, Calicut, India.
 3. Tejas Umale, Amarjit Singh, Y. Reddy, R.K. Khatirkar and S.G. Sapate, "Abrasive wear behaviour of copper-SiC and copper-SiO₂ composites", Int. Conf. on ceramics, Bikaner, 0 December 2013
 4. Avishkar Rathod, Sanjay G. Sapate and Rajesh K. Khatirkar, Scaling Laws of Wear by Slurry Abrasion of Mild Steel, *International Conference on Manufacturing and Optimisation, ICMO 13, New Delhi, 2013*
 5. Rahul Unnikrishnan, S.K. Shekhawat, Rajesh K. Khatirkar and S.G. Sapate, Microstrural and textural developments in ULC steel during deformation in ferritic region and annealing, Proceedings of the International Conference on Emerging Materials and Processes, (2014), IMMT, Bhuneshwar, India

Dr. S. N. Paul

1. N. S. More, N. Diomidis, S. Mischler, S.N. Paul, Manish Roy; Sliding tribo corrosion behavior of Ti-12.5 Mo alloy in physiological solution, CORSYM, 2014, IIT Mumbai.

Dr. V. K. Didolkar

1. Biology education for sustainable development: Environmental Concerns: - R.V. Didolkar & V. K. Didolkar 15th WCCI conference in Education, 28th Dec, 2012 to 3rd Jan, 2013, Garden Villa Hotel, Kaosiung, Taiwan.
2. Vermi composting in industrial work soils S.A. Pathak, R.V. Didolkar & V.K. Didolkar, International Conference on Comparative Endocrinology & Physiology-21-23rd oct, 2013 Sitabardi Meadows, Nagpur (M.S).

Dr. R. K. Khatirkar

1. Rahul Unnikrishnan, S.K. Shekhawat and R.K. Khatirkar, "Microstructural and textural developments in ULC steel during deformation in ferritic region and annealing", Proceedings of the International Conference on Emerging Materials and Processes, (2014), IMMT, Bhuneshwar, India.
2. Kritika Singh, R.K. Khatirkar and S.G. Sapate, "Effect of microstructure on the abrasive wear of D2 steel", Proceedings of the International Conference on Advances in Tribology, (2014), NIT, Calicut, India.
3. Tejas Umale, Amarjit Singh, Y. Reddy, R.K. Khatirkar and S.G. Sapate, "Abrasive wear behaviour of copper-SiC and copper-SiO₂ composites", Int. Conf. Cer., Int. J. of Mod. Phys.: Conf. Ser., vol. 22, (2013), pp. 416-423.

Dr. J. G. Bhatt

1. P. Y. Deshmukh, Jatin Bhatt, S. U. Pathak, "Quantative wear analysis of Al based MMC reinforced with Cu coated SiO₂ particles extracted from Rice Husk Ash (RHA)" "Proc. International Conference on Advanced Functional Materials" CSIR-NIIST, Trivandrum, 353-354, 2013.
2. Satish Idury, B.S. Murty and Jatin Bhatt, "Designing the composition with high Glass Forming Ability in Cu-Ti-Zr-Pd system by Thermodynamic Modeling", Proc. on International conference on Emerging Materials and Processes", CSIR-IMMT Bhubneswar, 228-231, 2014.

Dr. A. R. Ballal

1. Dipika R. Barbadikar, A. R. Ballal, D. R. Peshwe, J. Ganeshkumar and M.D. Mathew, "A study on the effect of tempering temperature on tensile properties of P92 steel by automated ball indentation technique", at ICONS-2014, IGCAR Kalpakkam, February 4-7, 2014
2. Lakshmiprasad Maddi, A.R Ballal, D.R Peshwe, R.K Paretkar, and M.D Mathew, "Effect of tempering temperature on the stress rupture properties of P92 steel", at NMD-ATM 2013, Varanasi, November 12-15, 2013

Mrs. M. M. Thaware

1. N. Jagannathan, N. Raju, J. Radhakrishnan, Duragkar M.S, & Manjunatha C.M. (2013). Onset of Mode I Delamination Growth in a Carbon Fiber Composite Under Constant Amplitude Fatigue Loads. Proceedings of INCCOM-12, Bangalore, India, 12-13 December 2013, 299-304.
2. J Raju, Manjusha S Duragkar, N Jagannathan, CM Manjunatha, (2013), "Finite Element Analysis and Prediction of Onset of Mode I Delamination Growth under a Tensile Spectrum Load Sequence" Proceedings of INCCOM-12, Bangalore, India, 12-13 December 2013, 202-207.
3. K.N Pande, M.M Thawre, J.G Bhatt, D.R Peshwe, R.K Paretkar, K.K Verma, G.M Kotresh, CM Manjunatha: Constant Amplitude Fatigue Behavior of a Co-cured and Co-bonded Carbon Fiber Composite T-Joint Proceedings of INCCOM-12, Bangalore, India, 12-13 December 2013.

Dr. R. C. Rathod

1. R. C. Rathod, V.K. Didolkar, S.S. Umare, G. S. Bhusari. Synthesis and Characterization of PANI/CaCO₃ Nanocomposites: Anticorrosion Performance on 316 LN SS. Oral presentations in International Symposium on Surface Protective coatings, SSPC 2014, Ahmedabad.
2. R. C. Rathod, S.S. Umare, V.K. Didolkar, S.G. Sapate. Synthesis and Characterization of PC/PANI Composites: Anticorrosion Performance on 316 LN SS. Oral presentations in International Symposium on Surface Protective coatings, SSPC 2013, Mumbai-400087.

Dr. A. P. Patil

1. M Shaglouf, F Al-Tahar, AP Patil, RA Cottis, "The influence of fluid flow on electrochemical noise generation", presented in CORCON 2013 organized by NACE Gateway India Section during 30-09-2013 to 03-10-2013 at New Delhi.
2. SA Ambade, AP Patil, YM Puri, "Effect of welding process on corrosion of 409M ferritic stainless steel, CORSYM 2014, organized by IIT Bombay and NACE Gateway

India Section during Feb 20-21 2014 at IIT Bombay

Dr. R. V. Taiwade

1. Ingle, R.V.Taiwade, H. Vashistha and R.K.Khatirkar, " Evaluation of Intergranular Corrosion Susceptibility of AISI 304L Stainless Steel Using Electrochemical Techniques, presented Poster at CORSYM 2014, (NACE international) held at IIT Bombay, February 20-21, 2014.
2. H. Vashistha, R. V. Taiwade, R.K.Khatirkar and A. Ingle," Effect of Thermal Treatment and Welding on Susceptibility to Intergranular Corrosion of 200-Series Stainless Steel, presented Poster at CORSYM 2014, (NACE international) held at IIT Bombay, February 20-21, 2014.

Mining Engineering Department

1. Dhote, Chetan, Ghare, A.D., Yerpude, R. R. Muthreja, I.L., 2014. Head loss characteristics for hydrotransport of alternative stowing material in underground mines. Conference on "Water Resources Management Achievements Challenges" (WRM-AC 2014), Jamia Millia Islamia University, New Delhi 22nd March, 2014.
2. I L Muthreja;"Techniques for Improving Coal Mine Waste Dump Stability: Special reference to Geogrids"; Workshop on Safety, Annual Safety Week, WCL, March 2014
3. I.L.Muthreja; "Selection of Site for Waste Dumps in Surface Coal Mines"; Workshop on Safety, Annual Safety Week, WCL, March 2014
4. G.K.Pradhan, Om Prakash & N.R. Thote (2013), Blast free mining in Indian surface coal mines- current trends, Proc. International Conf. on mine planning and equipment selection, Dresden, Germany, 14-19th Oct. 2013, V-1, Springer Publ. , p 325
5. Thote N.R. (2014), Climate change in Indian mining industry and standards: A case study of chandrapur District of Maharastra. Proc. Int. Symp. On Environmental impact and Management in Mining & Mineral based Industry, IIT, BHU, Varanasi p 17-26 (ISBN: 978-81-87760-20-7)

6. R.K.Pandey and N.R. Thote (2014). Noise pollution in coal handling plants and fan houses: Some case studies , Proc. Int. Symp. On Environmental impact and Management in Mining & Mineral based Industry, IIT, BHU, Varanasi p 130-140 (ISBN: 978-81-87760-20-7)
7. Thote NR and Ch. Venkat Ramana (2013) Controlled blasting technique to improve slope stability in opencast mines, Proc. Explosives and blasting techniques for mining, quarrying and infrastructure industry, NIT, Surathkal, Sept. , pp 200
8. M. Sathis Kumar and Thote N R (2013) Influence of blast operation on dump slope stability, Proc. Explosives and blasting techniques for mining, quarrying and Infrastructure industry, NIT, Surathkal, Sept. p 213
9. Thote NR and Ch. Venkat Ramana (2013), Blasting technique to avoid coal contamination in opencast mines- a case study, Proc. Clean Mining Technology, May 2013, pp 141

Physics Department

1. V. U. Rahangdale, M. V. Jagdale and V. K. Deshpande, "Effect of glass addition on the properties of PbTiO_3 composites" IUMRS-ICA 2013 IISC, Bangalore, Abs-289-ICA, 16-20 Dec. 2013.
2. V.U. Rahangdale, D.K. Gala, R.M. Acharya and V.K. Deshpande, "Dielectric and Ferroelectric properties of Al_2O_3 containing lead titanate based glass ceramics", AIP Conf. Proceeding Vol. 1591, page 705 (2014).
3. Shilpa Kulkarni, Sujata Patrikar "Single Mode Silica Nanowire for Biomolecular Sensing" WRAP2013: Workshop on Recent Advances in Photonics, Physics Department, Indian Institute of Technology Delhi New Delhi, INDIA, December 17-18, 2013.
4. Shilpa Kulkarni, Sujata Patrikar "Highly sensitive optical gas sensor for industrial safety based application" AEP2014: Advances in Explosives and Propellants (National conference) Dept of Chemical Engg, VNIT, Nagpur, 22 March 2014

5. N. S. Satpute and A. V. Deshpande, "Effect of Li_2SO_4 addition on structure and ionic conductivity of lithium borosilicotitanate glasses", AIP Conf. Proc. 1591, 799 (2014); <http://dx.doi.org/10.1063/1.4872760>
6. A. V. Deshpande and V. D. Raut, "Study of lithium borate glasses containing Bi_2O_3 ", AIP Conf. Proc. 1591, 805 (2014); <http://dx.doi.org/10.1063/1.4872762>
7. S.M. Giripunje and Jyoti Ghushie "I-V Properties of Chemically Bath Deposited PANI-ZnO Heterojunction Thin Films", ICAPM 2013, Mahatma Gandhi University, Kerala, during 11-13 Oct. 2013.
8. S.M. Giripunje and Jyoti Ghushie, Synthesis and I-V characterization of MWCNT reinforced polyaniline/ZnO-heterojunction for photovoltaic applications., International conference on Energy Efficient LED Lighting & Solar Photovoltaic Systems at IIT Kanpur during March 27-29, 2014

Architecture & Planning Department

1. A.R. Dongre and A.J. Wahurwagh, "Acoustics of 16th Century Mughal Heritage Structures of Burhanpur, India", International Conference, Organised by ASI and SFA, Acoustics 2013, New Delhi, 09-16 November 2013
2. C.S. Sabnani, Madhuvanti Latkar and Utpal Sharma, "Can Bamboo Replace Steel as Reinforcement in Concrete for the Key Structural Element in a Low Cost House Designed for the Urban Poor?", ISAET, International Conference on Civil and Environmental Engineering, Dubai, UAE, 13-14 March, 2013
3. C.S. Sabnani, Madhuvanti Latkar and Utpal Sharma, "Can Whole Bamboo be used for low cost mass housing near bamboo growing regions for the urban poor?", PSRC, International Conference on Civil and Architectural Engineering, Kuala Lumpur, Malaysia, 06-07 May, 2013
4. C.S. Sabnani, Madhuvanti Latkar and Utpal Sharma, "Do the National Policies Encourage Low Cost or Affordable Housing for the Urban Poor in India?", PSRC, International Conference on Management, Law and Social Sciences, Thailand, 20-21 July, 2013

5. R.S. Kotharkar and M.M. Surawar, "Impact of Land Use/ Land Cover Pattern on Urban Heat Island in Nagpur City Using Remote Sensing", 6th AGSE International Conference, India Geospatial Momentum for Society and Environment, CEPT University, Ahmadabad, 16-19 December 2013 (Paper presented & Awarded as one of the best paper presentation in specified technical session)
6. R.S. Kotharkar and M.M. Surawar, "Impact of Land Use/ Land Cover and Population Density towards formation of Urban Heat Island in Nagpur city through traverse survey: A methodological approach, 12th International Asian Urbanization Conference, Department of Geography, Banaras Hindu University, Varanasi, U. P. India, 28-30 December, 2013
7. S.P. Bahadure, A.J. Wahurwagh and P.N. Bahadure, "Role of Interpretative Treatment Method in Teaching-Learning History of Architecture", IEEE Fifth International Conference on Technology for Education (t4e 2013), IIT Kharagpur, 18-20 December
8. A.J. Wahurwagh and A.R. Dongre 'Architecture and Built Environment' National Conference VISTARA 2013, organized by Siddaganga Institute of Technology, Tumkur, Karnataka on 11-12 September 2013
9. R.M. Bhise and A.P. Patil, "Role of Adjoining Edges in Pedestrian Supportiveness of Public Realm, International Conference on Cities, People and Places (ICCP 2013), University of Moratuwa, Colombo, Sri Lanka

5.3 (c) Participation in International Conferences / National Conferences in India & Abroad

Sr. No.	Name of faculty	Place of Conference	Date(s) of Conference
Chemical Engineering Department			
1.	Dr. Shriram S. Sonawane Dr. M. N. Varma Prof. A. P. Rathod (ICCE 2013) Conference,	6th International Congress of Chemistry and Environment	Antwerp, Belgium 6th-10th July 2013
2.	All Faculty Members of Chem. Engg. of Chemical Engineering (CHEMIX 2014), VNIT, Nagpur, India	National Conference on Interdisciplinary Blend	March 23-24, 2014
3.	All Faculty Members of . Chem. EnggAdvances in Explosive and Propellants, VNIT, Nagpur	National Conference on	March 22, 2014
4.	Dr. A. S. Chaurasia on Energy System Modeling and Optimization (ESMOC 2013), Durgapur, West Bengal, India	International Conference	December 9-11, 2013
5.	Dr. Vijayakumar R P VNIT, Nagpur	Dept. of Chemical Engg.	22nd March, 2014
Chemistry Department			
1.	Dr. Anupama Kumar, G.Archana & Rita Dhodapkar	National Conference (AOP- 2013) Thapar University, Patiala, Punjab	21-23 November, 2013

Sr. No.	Name of faculty	Place of Conference	Date(s) of Conference
2.	Dr. Anupama kumar, Deepali Rahangdale & Rita Dhodapkar	International Conference , "27th Carbohydrate Symposium" , IISc , Bangalore , India	12-17 , Jan., 2014
3.	Dr. C. Das. and B.P. Kapgate	3rd FAPS Polymer Congress and MACRO 2013, Indian institute of Science, Bangalore, India.	May 15-18, 2013
4.	Dr. Sujit Kumar Ghosh	IISc, Bangalore	16-17th September 2013
5.	Dr. Sangesh Zodape	International Conference of Numerical Analysis and Applied Mathematics (ICNAAM-2013) which is being held at the Greece, Rhodes Palace Hotel, Rhode	September 22-26, 2013
Civil Engineering Department			
1.	Dr. Rajesh Gupta	World Environmental and Water Resources Congress at Cincinnati, OH, USA	May 19-25, 2013
2.	Dr. Rajesh Gupta	National Seminar on Emerging trends in Sewerage and Sewage Treatment organized by IWWA Mumbai Centre, Thane	October 25-26, 2013
3.	Dr. Rajesh Gupta	46th Annual Convention of IWWA, Bangalore	January 17 19, 2014

Sr. No.	Name of faculty	Place of Conference	Date(s) of Conference
4.	Dr. A. D. Ghare	HYDRO 2013 at IITM, Chennai	4-6 Dec, 2013
5.	Dr. A. D. Ghare	'WRM-AC 2014' at Jamia Millia Islamia, New Delhi	Mar 22, 2014
6.	Dr. A. Mandal	Participate in ISRAC-2014 Sydney, Australia	July 9-11 July 2014,
7.	Dr. Y B Katpatal	International Conference , 75th EAGE Conference & Exhibition incorporating SPE EUROPEC, London UK	June 9-13, 2013
8.	Dr. Y B Katpatal	National Workshop on Green Buildings at The Institution of Engineers (India)	18-19 January, 2014
9.	Dr. Y B Katpatal	Nat. Seminar on Groundwater and Lakes: Recent Advancements and Environment Aspects, Hotel Tuli Imperion Nagpur.	20 and 21 Feb. 2014,
10.	Dr. Y B Katpatal	Workshop on " Water Conservation in Hard Rock Areas" CGWB, Hotel Tuli Imperion	4.3.2014
Computer Science Engineering			
1.	A. S. Mokhade	Hong Kong	October 26-27, 2013

Sr. No.	Name of faculty	Place of Conference	Date(s) of Conference
2.	Dr. Dipti Shrimankar	Department of Computer Science and Engineering, JAYPEE University of Information Technology, Himachal Pradesh, INDIA	6th December to 8th December 2013
3.	Swati Hira	19th International Conference on Management of Data Ahmedabad, India	19-21 Dec 2013,

Electrical Engineering Department

1.	H. M. Suryawanshi Paper presented and Chaired two sessions at AEEE International conference, Industrial Electronics Society, IECON 2013, Vienna, Austria, Nov.2013	Invited in IEEE Industrial Electronics Society, IECON 2013, Vienna, Austria	10-11
2.	H. M. Suryawanshi Invited at Indian Institute of Science (IISc), Bangalore	Worked as a visiting faculty at IISc Bangalore: (i) Discussion with PhD scholar and (ii) Six expert lectures on various topics for PhD scholar and faculty.	26 May - 1st June-2013.
3.	M. V. Aware	Cape Town, South Africa	22-28, Feb 2013.
4.	Dr. M. S. Ballal	Kolkata, India	6-8 December 2013
5.	P.S.Kulkarni	IIT Roorkee	3-5 October 2013
6.	B. S. Umre	Rogers, Arkansas, USA	July 8-11, 2013.

Sr. No.	Name of faculty	Place of Conference	Date(s) of Conference
Electronics & Communication Engineering Department			
1.	A G Keskar	Venice, Italy	15-17th March 2014
2.	Vishal Satpute	Hong Kong, China	12-14 March 2014
Mathematics Department			
1.	G. P.Singh	Institute of Science, Nagpur	2-3, January, 2014
2.	G. P.Singh	Govt. Digvijay PG College, Rajnandgaon	20-21, February 2014
3.	Dr. G.Naga Raju	TIFR-CAM, Bangalore	4-5, July 2013
4.	Dr Rajendra Pant	Digvijay Govt. College, Rajnandgaon C.G.	20-21, February 2014
Mechanical Engineering Department			
1.	Dr. A. M. Kuthe	ASME 2013 International Mechanical Congress, San-Diego USA	15-22 November 2013
2.	Dr. A. B. Andhare	Nanjing University of Aeronautics and Astronautics, Nanjing, China	20-23 August 2013
3.	Prof. K. M. Ashtankar	San Diego, California, USA	November 15-21, 2013
4.	Dr. Arun K. Singh	COEP, Pune, India	29-31st May-2013
5.	Rashmi Uddanwadiker	Seattle, Washington, USA	24th -28th May 2013
6.	Prof. P.V. Kane	ICIE- 2013, SVNIT Surat	20-22, 2013
7.	Dr. Shital S. Chiddarwar	IIT Roorkee	18-20 Dec 2013
8.	Prof. V. M. Nistane	AICTE sponsored Short Term Training Programme, Indian Institute of Technology, Roorkee	September 1 to 6, 2013

Sr. No.	Name of faculty	Place of Conference	Date(s) of Conference
9.	Prof. V. M. Nistane	Short Term Training Programme, VNIT, Nagpur	October 1 to 5, 2013
Metallurgical & Materials Engineering Department			
1.	D.R.Peshwe	Social Sensitization- "Renaissance" VNIT, Nagpur	21st to 22nd Feb. 2014
2.	D.R.Peshwe	NMD-ATM, BHU, Varanasi	13 to 17 Nov. 2013
3.	D.R.Peshwe	Shastri-Mistri workshop, Vidarbha Bamboo Parishad, Lawada Melghat	9 to 12 Feb. 2014
4.	D.R.Peshwe	KVIC workshop at Nashik, Dahanu & Borivali	24 Feb. to 28 Feb 2014
5.	D.R.Peshwe	ASECOST Review meeting, Pune	21 to 22 Feb. 2014
6.	Jatin Bhatt	Nagpur, India	January 21-23, 2013
7.	Jatin Bhatt	Nagpur, India	February 1-2, 2013
8.	S. Vincent, Jatin Bhatt, B. S. Murty	San Antonio, Texas, USA	February 29 March 4, 2013
9.	Jatin Bhatt	Pune, India	March 3-4, 2013
10.	Sandeep Fale, Ajay Likhite, Jatin Bhatt	Tornio, Italy	July 21- 25, 2013
11.	Jatin Bhatt	Miskolc- Lillafured, Hungary	September 15-19th , 2013
12.	Jatin Bhatt	Jabalpur, India	September 21-22, 2013
13.	Ashwini Kumar, S.J. Dhoble, D.R. Peshwe and Jatin Bhatt	Varanasi, India	November 14-16, 2013

Sr. No.	Name of faculty	Place of Conference	Date(s) of Conference
14.	Sandeep Fale, Ajay Likhite, Jatin Bhatt	Varanasi, India	November 14-16, 2013
15.	Jatin Bhatt	Varanasi, India	November 14-16, 2013
16.	Jatin Bhatt	Kharagpur, India	February 5-7, 2014
17.	Jatin Bhatt	San Diego, California, USA	February 16-20
18.	Mrs. M. M. Thaware	12th National Conference on Composites (INCCOM-12), Bangalore	12-13 December
19.	S G Sapate	International Conference on Manufacturing and Optimization (ICMO 2013), New Delhi	16-17 September 2013
Mining Engineering Department			
1.	Dr. N. R. Thote	Nat. Conf. -NIT, Surathkal	27-29 Sept. 2013
2.	Dr. N. R. Thote	International Conf.-I.I.T., BHU, Varanasi	Feb. 13-15 2014
3.	Dr. N. R. Thote	Nat. Conf. Chemical Dept. VNIT, Nagpur	22March 2014
Physics Department			
1.	Dr. V.K. Deshpande	I.I.Sc. Bangalore IUMRS-ICA 2013	16-20 December 2013
2.	Dr B R Sankapal	School of Physics Sciences, North Maharashtra University, Jalgaon National workshop on "Advanced Material Processing"	8th March 2014

Sr. No.	Name of faculty	Place of Conference	Date(s) of Conference
3.	Dr B R Sankapal	Department of Physics, Nagpur University, Nagpur National symposium for Research students on topic "Recent advances in Physics and Materials Science",	11 Jan, 2014
4.	K. Mohan Kant	IUMRS- 2013, IISc, Bangalore.	Dec 16-20, 2013.
Architecture & Planning Department			
1.	Dr. Alpana R. Dongre & Amit J. Wahurwagh	Acoustics 2013, ASI & SFA, New Delhi at New Delhi	10-15 Nov. 2013
2.	Pankaj Bahadure	Conference on Green Cities and Township, by CII and IGBC at Mumbai	25 and 26 April 2013
Humanities Department			
1.	Dr. M. Ghosal	National Conference on Social Sensitization at VNIT & Warora	22nd & 23rd March 2014
2.	Dr.G.N.Nimbarte	Organized by The Global Open University, Nagaland at Goa Karnataka Open University Mysore National Conference on Social Sensitization at VNIT & Warora	11th & 12th June ,2013 27th & 29th December, 2013 22nd & 23rd March 2014

5.4 R&D Projects

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s) status of the project	Present
Applied Mechanics Department					
1.	Evaluation of Toughcrete Steel Fibre Concrete Composites for flexural, compressive, impact strength and other relevant properties	Precision Drawell Pvt. Ltd. 09th April 2014	2.3 Lakhs	Dr. Ratnesh Kumar, Dr. R. K. Ingle	Ongoing
Chemical Engineering Department					
1.	Synthesis and Application of Ionic Liquids for deep-desulfurization of liquid fuels'	Council of Scientific and Industrial Research (CSIR), Government of India, India	Rs. 20 lakh	Dr. K. Wasewar. Dr. M. N. Varma. Dr. D. Z. Shede	On going
2.	Removal of chlorinated herbicides from dilute aqueous solution using biomass ashes	SERB Dec 2013	45 lakhs	Dr Sachin A Mandavgane Dr Ashish Chaurasia	Ongoing
3.	Development and testing of micro fine powder bio-pesticide using Neem	BRNS April 2013	22.60 lakhs	Dr Sachin A Mandavgane Prof Sonali Tajane	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s) status of the project	Present
4.	Development of Controlled Shape and Size Metal Oxides Nanoparticles, Synthesis of Nanofluids and Application in Heat Exchanger	DST Chemistry Department	19.20	Dr.S.S.Sonawane	Ongoing
Chemistry Department					
1.	"Feasibility study on fabrication and evaluation of electrochemical sensor for some beta-blockers and digoxin in the biological samples"	DST 07/02/13	15.365	Dr.(Mrs) Ramani Motghare	Ongoing
2.	"Photophysical studies of some selected DNA damage reactions"	CSIR [01.01.2012]	16,84,400	Dr. Sujit Kuamr Ghosh	Ongoing
3.	Physicochemical studies and the identification of damage by porphyrin sensitized alkylating quinines"	DST [30.04.2012]	25,60,000	Dr. Sujit Kuamr Ghosh	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s) status of the project	Present
4.	Study of thermodynamic, transport & acoustic properties of some pharmaceutical compounds in aqueous solution at different temperatures	DST-SERB	12 Lakhs	Dr. Sangesh Zodape	Ongoing
5.	Biocatalysis for the development of sustainable organic synthesis New Delhi	Science and Engineering research board, (30.07.2013)	32.71 Lakh	Dr. Umesh Pratap	Ongoing (2013-2017)
6.	Studies of Filler Dispersion for the Improvement of the Properties of Elastomeric Composites	CSIR	19 Lakhs	C. Das	Submitted
Civil Engineering Department					
1.	National Ambient Air Quality Monitoring Project (NAMP)	MPCB (Since 1994 continued on yearly basis)	8.1	Dr. V.A. Mhaisalkar	In progress
2.	State Ambient Air Quality Monitoring Project (SAMP)	MPCB (July 2009 continued on yearly basis)	8.1	Dr. V.A. Mhaisalkar	In progress

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s) status of the project	Present
3.	Technical & Feasibility study of overburden rock of Dongri Buzurg & Kandri Mines for consolidated hydraulic stowing in underground mines	MOIL, India	39.25 Yerpude Dr. A. D. Ghare	Prof I. L. Muthreja, Dr. Rajendra	Ongoing
4.	Design development of sustainable construction material from agricultural waste	Housing and Urban Development Corporation	23.5	Dr. Rahul V Ralegaonkar, Dr. Sachin A Mandavgane & Dr. Sachin V. Bakre	On-going
5.	Design development of decision support tool for sustainable construction	Department of Science and Technology	15.5	Dr. Rahul V Ralegaonkar	On-going (Fast Track)
6.	Application of industrial waste in making high performance bricks" (As a Co-PI)	Department of Science and Technology (Science and Society)	22.01	Dr. Sachin A Mandavgane & Dr. Rahul V Ralegaonkar	Completed

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s) status of the project	Present
7.	Seismic Behavior of Underground Structures	Submitted for funding to Department of Science & Technology (DST), Govt of India.	53.00 Lakhs (Approx.)	Dr. A. Mandal (P.I.)	On-going vide DST sanction no. SB/S3/CEE/0002/2013
8.	Soft soil behaviour with combined use of Geocell and stone column under static and Dynamic Loading conditions.	Submitted for funding to Council of Scientific and Industrial Research, Govt of India.	18.00 Lakhs (Approx.)	Dr. A. Mandal	Under Review
Computer Science Engineering					
1.	Cloud Computing Applications based on Distributed Algorithms	IBM, USA	Rs. 9.18 Lakh	M. P. Kurhekar, U. A. Deshpande, R. B. Keskar, M. A. Radke	Ongoing
Electrical Engineering Department					
1.	Developments in Power Electronics	DST (FIST)	63.5 Lakhs	H. M. Suryawanshi	Completed
2.	Reliable and Efficient System for (UK) Community Energy Solutions (RESCUES), Consortium Project*	DST+EPSRC 2014 - 2017	50 Lakhs	H. M. Suryawanshi	On-going

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s) status of the project	Present
3.	Development of Industrial fractional order PID controller	BRNS, Mumbai	25 Lakhs Junghare	M. V. Aware & Prof. Mrs.A. S.	On-going (13-15)
Electronics Engineering Department					
1.	Invariant Human Face Detection and Recognition System for Gray Level Still Images	BRNS 25/07/2012	21.95 Lakhs	Dr. K. M. Bhurchandi (PI) V.R. Satpute (CI)	Ongoing
2.	Centre of Excellence on 'COMMBED SYSTEMS'	NPIU	500.00	Dr A G Keskar Dr A G Kothari Dr K D Kulat Dr A S Gandhi Dr K M Bhurchandi P. Ghare	Ongoing
3.	Fabrication of equipment for micro-fluidic study	ADA 29.11.2013	16.9Dr.	R.M. Patrikar	Ongoing
Mathematics Department					
1.	Numerical methods for solving singularly perturbed differential-difference equations	DST	Rs. 9, 84,400	Dr. P. P. Chakravarthy	Completed in July 2013 .
2.	Numerical methods for solving singularly perturbed delay differential equations				

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s) status of the project	Present
	with large delays	DAE (NBHM) December 2012	Rs. 9,56,500	Dr. P. P. Chakravarthy Mechanical Engineering	Work is in progress
Mechanical Engineering Department					
1.	Biomedical Engineering and Technology Centre Incubation :	Sub centre Rajiv Gandhi science & technology commission, Govt. of Maharashtra (2014 / 5 years)	Rs. 360 lakhs	Dr. A. M. Kuthe	Ongoing
2.	Development and testing of customized joint replacement Implants using layered manufacturing	Rajiv Gandhi science & technology commission, Govt. of Maharashtra (2009/5 years)	Rs.50.6 Lakh	Dr. A. M. Kuthe leted	Comp-
3.	Estimation of Human Muscles Characteristics	DST	Rs. 12.25 Lakhs	Rashmi Uddanwadiker	Ongoing
4.	Experimental and CFD analysis of Force Draft Advanced Biomass Stove Prototype	MNRE, New Delhi (2014-2017) Likely to receive funds this financial yr.	Rs. 35 Lakhs as PI	S. B. Thombre, Dr. Kalamkar	

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
5.	Development of Robot programming by demonstration system for spray painting operation	DST 23.05.2013	Rs. 23 Lacs	Dr. Shital S. Chiddarwar	Ongoing
Metallurgical & Materials Engineering Department					
1.	Development of Carbide Austempered Inoculated Low Carbon Equivalent Iron	Deptt. of Science & Technology (DST)	Rs. 50.00 lakhs	D. R. Peshwe A.A.Likhite S.U.Pathak	In progress
2.	Influence of normalizing & tempering heat treatment on tensile & creep properties of grade 92 steel	BRNS	Rs.82.14 lakhss	D. R. Peshwe R.K.Paretkar A.R.Ballal	In progress
3.	Testing for Damage Evaluation of New Composite Materials & Components	ACECOST	Rs.167.3 lakhs	D. R. Peshwe R.K.Paretkar Jatin Bhatt M.M.Thaware	In progress
4.	Characterization of Creep properties of grade 92 steel using small punch creep testing method	UGC-DAE	Rs.4.00 lakhs	D. R. Peshwe R.K.Paretkar A.R.Ballal	In progress
5.	Characterization of Tensile and Fracture Properties of Grade	UGC-DAE	Rs.4.00 lakhs	D. R. Peshwe R.K.Paretkar A.R.Ballal	In progress

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
6.	92 Steel using Ball Indentation Technique Dissemination of Rural Technologies in various clusters	KVIC	Rs.27.00 lakhs	D.R.Peshwe P.M.Padole	In progress
7.	Testing for Damage Evaluation of New composite Materials & Components	AR & DB	167 lakhs	R K Paretkar D R Peshwe Manjusha Thaware Jatin Bhatt	Matirx proposed for fatigue testing of T joints is under progress
8.	Effect of Normalizing and Tempering on Tensile and Creep Properties of Grade 92 Steel	BRNS	82.14	Dr. A.R. Ballal, Dr. D.R. Peshwe, Dr. R.K. Paretkar	Ongoing
9.	Evaluation of Tensile and Fracture Properties of Grade 92 Steel by Ball Indentation Technique	UGC-DAE CSR	-10	AR Ballal, DR Peshwe, RK Paretkar	Ongoing
10.	Characterization of Creep Properties by Small Punch Creep	UGC-DAE CSR Sanctioned (Jan 2014)	-10	AR Ballal, DR Peshwe, RK Paretkar	Ongoing

Sr. No.	Project Title	Funding Agency (with date of award)	Cost of projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
11.	Testing for Damage Evaluation of new Composite Materials & Components (at features level)	AR & DB	167 lakhs	D.R. Peshwe (PI) R.K. Paretkar(PI) M.M. Thawre (Co-PI) J.G. Bhatt (Co-PI)	Ongoing
12.	Development of Carbide austempered low carbon March 2011 equivalent Ductile Iron	DST	50 lakhs	Dr. Ajay Likhite Prof. D.R. Peshwe Prof. S.U. Pathak	Ongoing
13.	Investigation of wear and corrosion behaviour of AA 7010 Aluminum Alloy	UGC, NRC-M, IISc Bangalore	0.30 lakhs	Mr. Yogesh Y Mahajan Dr. Subodh Kumar IISC	Ongoing
Mining Engineering Department					
1.	Technical & Feasibility study of overburden rock of Dongri Busurg & Kandri Mine for consolidated stowing in underground mines	MOIL Ltd., Nagpur April 2013	39.25	I L Muthreja Coordinator Dr. R R Yerpude Co-Cordinator Dr. A.D. Ghare	Ongoing
Physics Department					
1.	"Study of the Effect of Neutron & Gamma Irradiation on the Properties of Lithium Borosilicate Glasses"	B.R.N.S.	24.09	V.K. Deshpande & A.V. Deshpande	Ongoing
2.	Synthesis and characterizations of	DST, SERB	37.74	Dr. R.S. Gedam	Sanction Jan.2014

Sr No.	Project Title	Funding Agency (with date of Award)	Cost of Projects (Rs. In Lakhs)	Investigator(s)	Present status of the project
3.	glasses containing semiconductor quantum dots (Qds) for optical filters Investigations on $\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4$ thin films leading to the development of heterojunction solar cells	DST, New Delhi 14-05-2013	24 Lakhs	Dr. G. Hema Chandra	Ongoing
Architecture & Planning Department					
1.	Assessing Urban Sustainability through Urban Spatial Clusters using GIS and Multivariate Analysis	HSMI/HUDCO 15th Apr 2013)	18.4 lakhs	Rajashree Kotharkar, Principal Investigator and Pankaj Bahadure, Co-investigator	Ongoing
Humanities Department					
1.	CRT Training	NIT, UK	2 lakhs	Dr. Y.M. Deshpande	Completed

5.5 Institute Industry Colaboration

Sr. No.	Name of Industry / organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
Applied Mechanics Department					
1.	Gondwana Engineer Limited Nagpur	Technical Scrutiny	0.150	Dr. R S Sonparote	Complete
2.	Additional City Engieer Navi Mumbai Muncipal Corporation Navi Mumbai 400614 (Sector 3)	Technical Scrutiny	0.100	Dr. R S Sonparote	Complete
3.	Additional City Engieer Navi Mumbai Muncipal Corporation Navi Mumbai 400614 (Sector 15)	Technical Scrutiny	0.100	Dr. R S Sonparote	Complete
4.	Shri Sudhir Kumar Garg Managing Director Minacan C-206, city Tower sector 15 CBD Belapur Navi Mumbai 400615	Technical Scrutiny	0.500	Dr. R K Ingle	Complete
5.	M/S Eagle Infrastructure Ltd M-2 Regency Garden Apt Beside Sapna Garder Ulhasnagar 421003	Technical Scrutiny	0.750	Dr. L M Gupta, Dr. G N Ronghe	Complete

Sr. No.	Name of Industry /organization	Consultancy Topic/Avtivity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
6.	M/s D. Thakkar Construction Pvt Ltd, Engineer Contractors Dic Chambers Plot no P-119 Wadi-Hingna road opp. Nisan show room Nagpur 440028	Technical Scrutiny	0.500	Dr. L M Gupta, Dr. G N Ronghe	Complete
7.	Director National Institute of Technology Silchar Assam 788010	Technical Scrutiny	2.750 Dr.	R K Ingle	Complete
8.	The Group Genreal Manager (R), Rites Limited, Rites Bhawan, Kadbi Chowk Nagpur 440004	Technical Scrutiny	0.350	Dr. L M Gupta, Dr. G N Ronghe	Complete
9.	SMS Infrastructure Limited, 20, IT Park Parsodi Nagpur 440022	Technical Scrutiny	1.000	Dr. L M Gupta, Dr. G N Ronghe	Complete
10.	The City Engineer, Nagpur Municipal Corporation 1st floor North wing Mahanagar Palika Marg Civil lines Nagpur	Technical Scrutiny	0.250	Dr. L M Gupta, Dr. G N Ronghe	Complete

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
11.	M/s S N Thakkar consturction Pvt Ltd Engineer & constructor, 102 Prince	Technical Scrutiny	2.500	Dr. L M Gupta, Dr. G N Ronghe	Complete
12.	M/s Zamil Steel Buildings India Pvt Ltd. 306, mahavir Darshan AVG Layout lakkadganj Nagpur 440008	Technical Scrutiny	1.025	Dr. R K Ingle	Complete
13.	Gondwana Engineer Limited Nagpur Betul	Technical Scrutiny	0.300	Dr. R S Sonparote	Complete
14.	M/s M M Enviro Projects Pvt Ltd "Aakansha Arcade" KDK college road Nandanwan Nagpur 440009	Technical Scrutiny	0.250	Dr. R K Ingle	Complete
15.	Star Orchem International Pvt Ltd., Amrta Monor Bungalow No. 1, 1st floor Oppo Axis Bank Rabindanath Tagore Road Civil Lines Nagpur 440001	Technical Scrutiny	1.500	Prof S B Borghate	Complete

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
16.	M/s Kalyanjan Architect & PMC 304- Pratik Estate, near Fortis Hospitals Mulund Goregaon Link road Mumbai 400078	Technical Scrutiny	2.500	Dr. L M Gupta, Dr. G N Ronghe	Complete
17.	Executive Engineer Public Work Division Wahim	Technical Scrutiny	0.300	Dr. R S Sonparote	Complete
18.	Gondwana Engineer Limited Nagpur	Technical Scrutiny	0.400	Dr. R S Sonparote	Complete
19.	Sr Deputy General Manager (C) RITES Limited RITES Bhawan Kadbi Chowk Nagpur 440004	Technical Scrutiny	0.300	Dr. L M Gupta, Dr. G N Ronghe	Complete
20.	Director Privitech consulting Engineers Pvt Ltd., Gaziabad 201014	Technical Scrutiny	0.500	Rk, Dr. S V Bakre	Complete
21.	Mahesh Dhere for GENSYS Technology Pvt Ltd Pune	Technical Scrutiny	1,500 Dr.	R K Ingle	Complete
22.	M/s New Tech 66, Vidya Apartment Vidyavihar Colony Pratapnagar Nagpur	Technical Scrutiny	0.200	Prof A Y Vyavahare	Complete

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
23.	M/s Satish Raipure 102, Vighnaharta Apartment Shraddhanadpeth Mate square S A Road Nagpur 440022	Technical Scrutiny	0.150	Dr. R K Ingle	Complete
24.	Gondwana Engineer Limited Nagpur Mandla Water Supply Scheme	Technical Scrutiny	0.200	Dr. R S Sonparote	Complete
25.	Gondwana Engineers Limited Nagpur Limited Nagpur Mahidpur Water Supply Scheme	Technical Scrutiny	0.100	Dr. R S Sonparote	Complete
26.	Gondwana Engineers Limited Nagpur Limited Nagpur Bina Water Supply Scheme	Technical Scrutiny	0.600	Dr. R S Sonparote	Complete
27.	Mr. Nathu G Rambhad 8 Ambazari Layout Nagpur	Technical Scrutiny	0.120	Dr. S V Bakre, Prof A Y Vyavahare	Complete
28.	M/s Orange City Water Pvt Ltd 4th floor Madhu Madhav Tower Laxmi Bhavan Square Nagpur 440010	Technical Scrutiny	0.250	Dr. L M Gupta, Dr. G N Ronghe	Complete

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
29.	M/s Sadhbhav Engineer Ltd Chindwara 480001	Technical Scrutiny	0.500	Dr. L M Gupta, Dr. G N Ronghe	Complete
30.	Gondwana Engineers Limited Nagpur	Technical Scrutiny	0.300	Dr. R S Sonparote	Complete
31.	Satish Raipure 102, Vidhnaharta Apartments Shraddhanandpeth Mate Square S A Road Nagpur 440022	Technical Scrutiny	0.250	Dr. R K Ingle	Complete
32.	Gondwana Engineer Ltd Nagpur Khurai Water Supply Scheme	Technical Scrutiny	0.500	Dr. R S Sonparote	Complete
33.	V K Tiwari 265 Gandhinagar Nagpur (MS)	Technical Scrutiny	0.600	Dr. L M Gupta, Dr. G N Ronghe	Complete
34.	VEDHA India 172-C, Raj Yog Tower, Ring Road Trimutthy Nagar Nagpur 22	Technical Scrutiny	0.150	Dr. S V Bakre	Complete
Chemical Engineering Department					
1.	M/S Radiant Udyog (Pvt) Ltd of tyre pyrolysis solid residue	Study on Applicatton	30,000/-	Dr Sachin A Mandavgane	Complete
2.	Manmohan Minerals & Chemical Pvt. Ltd. Nagpur coal as a raw	Confirmation of the use of	Rs. 56180/-	Dr. K. L. Wasewar Dr. D.Z. Shende	Complete

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
3.	material in manganese oxide manufacture South East Central Railway Nagpur coating to arrest the leakages in concrete water tank	The suitability of epoxy grout and polymer	Rs. 38202/-	Dr. M. N. Varma Dr. D. Z. Shende Dr. K. L. Wasewar	Complete
4.	Chemical Engineering Consultant Conductivity of refractory material	Thermal	Rs. 40450/-	Dr. D.Z. Shende Dr. K. L. Wasewar Prof. A. P. Rathod	Ongoing
5.	Chemical Engineering Consultant material in air flow	Fluidization of fine	Rs. 20000/-	Dr. D. Z. Shende Dr. K. L. Wasewar Prof. A. P. Rathod	Ongoing
6.	Chemical Engineering Consultant	Process development for the manufacture of magnesium sulphate using sulfur and magnesium carbonate/oxide	Rs. 20000/-	Dr. D. Z. Shende Dr. K. L. Wasewar Prof. A. P. Rathod	Ongoing

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
Chemistry Department					
1.	NEERI, Nagpur	Evaluation of PPCPs & Chitosan Based Molecularly Imprinted Polymers	Research area of student Ms. G.Archana & Ms. Deepali Rahangdale Dr. Anupama Kumar & Dr. Rita Dhodapkar	Ongoing	
Civil Engineering Department					
1.	MSPGCL, Koradi, Nagpur	To check verticality of columns	40,000	Dr. Rahul V Ralegaonkar & Dr. V A Mhaisalkar	Complete
2.	MSED Co.	Determination of Bearing capacity and foundation type in black cotton soil	Rs.73,000/	Dr. A. Patel	Complete
3.	Maharstra PWD	Determination of soil properties for state highway bridge.	Rs. 67,000/	Dr. A Mandal	complete

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
4.	NTPC-Lara-Power Project	Determination of soil properties and appropriate mixture of non plastic dust for sub base material	Rs. 95,506/-	Dr. A. Mandal	Complete
5.	CGWB	Groundwater exploration using heli sensing in Saoner Taluka	Nil	Y.B. Katpatal	Complete
6.	GSDA	Artificial Recharge of Groundwater by reverse gradient drainage treatment at Sawali Sastabad, Wardha.	Rs.6.00 Lakhs	Y.B. Katpatal	Ongoing
Electrical Engineering Department					
1.	Invited at Indian Institute of Science (IISc), Bangalore	Worked as a visiting faculty at IISc Bangalore:	-----	H. M. Suryawanshi	26 May - 1st June -2013.

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
		(i) discussion with PhD scholar and (ii) Six expert lectures on various topics for PhD scholar and faculty.			
2.	M/s. Gondwana Electrical, NAGPUR	Vetting of Electrical Installations of WPT plant at Rewa	20,000/-	M. V. Aware & S.S.Bhat	Complete
3.	MRSAC, Nagpur	Tender specifications for Transformer and DG (350 KVA Trafo & 75 kVA DG) July 2013	5000/-	M. V. Aware	Complete
Electronics Engineering Department					
1.	ATMEL Corporation	Sponsored Projects and Embedded Systems Laboratory	--	K M Bhurchandi	05 projects complete 2 in Progress

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
2.	TEXAS Instruments	Sponsored Projects and Embedded Systems Laboratory	--	K M Bhurchandi	2 projects complete 1 in progress
Mechanical Engineering Department					
1.	Forest Department Maharashtra	Development of Hirda Breaking Machine for Forest Dept.	0.5	Dr. P.M. Padole	Complete
2.	DRDO	Fatigue Testing of the Hip Prosthesis Design for DRDO.	---	Dr P.M. Padole	Under consideration
Metallurgical and Materials Engineering Department					
1.	Indira Gandhi Center for Atomic Research , Kalpakkam	Student projects/ internships	30,000/-	Dr. A. R. Ballal, Dr. D.R. Peshwe, Dr. R.V. Taiwade	Complete
2.	BARC, Mumbai	Student projects/ internships			
3.	ARCI, Hyderabad	Student projects			
4.	Ideal Energy	Consultancy			
5.	S. P. Raigarh	Inspection of Cold Box	1,96,000/-	Prof. A.P. Patil Prof. D.V. Moghe Prof. D. Z. Shende	

Sr. No.	Name of Industry /organization	Consultancy Topic/ Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
6.	CDET Explosives Industries Pvt. Ltd.	Faulure Analysis	25,000/-	Prof. A. P. Patil	Complete
Mining Engineering Department					
1.	Dept. of Mining, VNIT and MOIL	Technical & Feasibility study of overburden rock of Dongri Buzurg and Kandri Mine for consolidated stowing in underground mines	39.25	Prof. I.L. Muthreja Dr. R.R. Yerpude Dr. A. Ghare	Collabo- -rative R & D project initiated and ongoing
Architecture & Planning Department					
1.	A World Bank funded consultancy project in Collaboration with IIIT, Hyderabad	"Cool Roof for Rural Poor: Saving Energy, Beating the Heat Affordably"	8.75 Lakhs (consultancy fees)	Rajashree Kotharkar	Work Commenced
2.	RTM Nagpur, University of Health Center	1. Extension Consultancy Fees	80,000/-	Vijay Kapse	Constr- -uction in progress

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
3.	Renovation of Dept. of Fine Art				
4.	Renovation of Dept. of Sericulture				
3.	National Environmental Engineering Research Institute, Nagpur -10	1. Design of engineering Services Unit 2. Extension of Silver Jubilee Building and Annex Building	Nil 7 Crores (Project Cost)	Vijay Kapse	Drawing Complete
4.	National Institute of Technology, Silchar (Lecture Hall Complex)	1. Renovation of Amenity Building 2. Renovation of Mechanical Workshop (Lecture Hall Complex)	Nil 65 Crores (Project Cost) 69 Crores (Project Cost)	Vijay Kapse	Drawing Complete

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
5.	Visvesvaraya National Institute of Technology	Seminar Hall Complex, 500 seated girls Hostel and 500 seated Boys Hostel	Nil	Vijay Kapse & Pankaj Bahadure	Drawing Complete 65 Crore (Project Cost)
6.	LMN Institute of Information Technology, Jaipur	Department of Mechatronics	Nil	Vijay Kapse	Drawing Complete 5 Crores (Project Cost)
7.	Visvesvaraya National Institute of Technology	Extension of Physics, Chemistry Dept. and Mega Mess for Hostel 8 9	Nil	Vijay Kapse & Pankaj Bahadure	Drawing Complete
8.	Visvesvaraya National Institute of Technology	Extension of Boys Hostel Block No. 6 7,250 Students	Nil	Vijay Kapse	Drawing Complete
9.	Visvesvaraya National Institute of Technology	Extension of Civil Engineering Lab.	Nil	Alpana Dongre	Conceptual Design Complete 11 Crores (Project Cost)

Sr. No.	Name of Industry /organization	Consultancy Topic/Activity	Consultancy Amount (Rs. In Lacs)	Investigator(s)	Present status
10.	Visvesvaraya National Institute of Technology	Faculty Quarters for Associate Professors (21) and Assistant Professors (60)	Nil	V.S. Adane	Conceptual Design Complete 35 Crores (Project Cost)
11.	Visvesvaraya National Institute of Technology	Seminar Hall Complex G+6 3000 students	Nil	Vijay Kapse	Work Commenced 65 Crores (Project Cost)

5.6 Innovation and Technology Transfer

Sr. No.	Name of Faculty	Details of Investigatino and Technology Transfer
Civil Engineering Department		
1.	Dr. R.V.Ralegaonkar	Designed and developed successfully the masonry product from agro-waste. The product is under filing for patenting.
Metallurgical & Materials Engineering Department		
1.	Dr. V. K. Didolkar	J.R. Glass as per Amshubodhini is to be commercial with M/s. Satkirt Filters, Pune.
Mining Engineering Department		
1.	I L Muthreja, Dr R R Yerpude, Dr A D Ghare	Technical & Feasibility study of overburden rock of Dongri Buzurg & Kandri Mine for consolidated stowing in underground mines

Sr. No.	Name of the Faculty	Details of Investigation & Technology Transfer
2.	Dr. N. R. Thote	BIS, Regional Office, Nagpur, World Standard Day, 15th Sept. 2013 Western Coalfield Limited, Human Resources Development Programme, Expert Lecture- New Technology in Mining

Patents

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
Chemical Engineering Department				
1.	Dr Sachin A Mandavgane	Manufacture of Building blocks from industrial waste and uses thereof	1472/MUM/2009	Awarded
Civil Engineering Department				
1.	Dr. V. A. Mhaisalkar	Anode, Cathode and Separator in Microbial Fuel Cell (MFC) for Treatment of Organic Waste and Electricity Generation	3095/MUM/2013 dt. 28.09.2013	Patent filed
2.	Dr. R.V. Ralegaonkar	"Energy efficient building blocks& method of making the same".	(NO.-2506/MUM/ CBR No. 1104 2013, ref.- dated 29/7/2013)	Under review
Computer Science & Engineering Department				Nil

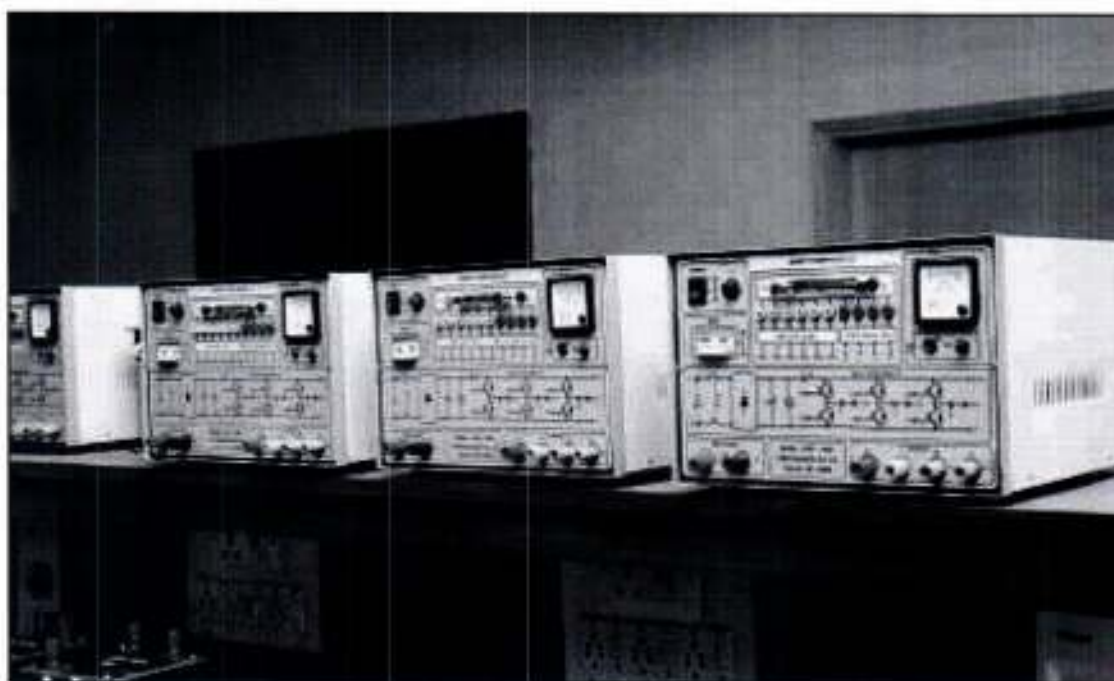
Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
Electrical Department				
1.	M. S. Ballal, H. M. Suryawanshi	The computational intelligence based on-line condition monitoring system for static and dynamic electrical machines.	383/MUM/2014 04/02/2014	Published
2.	M. S. Ballal, H. M. Suryawanshi	Intelligent condition monitoring system for grid interconnected / power transformers	2660/MUM/2013 14/08/2013	Published
3.	M. S. Ballal, H. M. Suryawanshi	Binary system based on-line model for the condition monitoring of power transformers in utilities & consumer's substations	1316/MUM/2013 04/04/2013	Published
4.	M. S. Ballal, H. M. Suryawanshi	Online error compensation algorithm for utilities and industrial metering system	2840/MUM/2013 31/08/2013	Published
5.	M. V. Aware	"Flicker load generator for ascertaining the performance of flicker mitigation techniques".	405/MUM/2014	Filed

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
6.	V. B. Borghate B. S. Umre	Water and Energy Efficient Desert Cooler with Mosquito Net	TEMP/E-1/8852 /2014-MUM	Filed
Electronics & Communication Engineering Department				
1.	K M Bhurchandi	Rapid reconfigurable Modular Robot system	319/MUM/2014 date 29/01/2014	Waiting examination
2.	K M Bhurchandi	Assistive device for navigation in dark or no visibility ambience	406/Mum/2014	Waiting examination
Mechanical Engineering Department				
1.	Dr. Y. M. Puri	Method and apparatus for electrical discharge machining of curved hole	1505/MUM/2012 17/05/2012	Filed
2.	Dr. P. M. Padole Dr. Rashmi Uddanwadiker	Ergonomically designed foot & hand operated workstation for making agarbatti	761/MUM/2013	Application Submitted
3.	Rashmi Uddanwadiker	Ergonomic Design and Fabrication of roasting mechanism for small scale industries and household purpose	2333/MUM/2013	Application Submitted
4.	Dr. Thombre S.B.	Solar waterheater flat collector absorber having Triangular sectioned riser tubes with integral fins	455/ MUM/ 2013 (Publication date plate 12 Apr 2013; Journal No 15/2013)	Issued

Sr. No.	Name of Faculty	Patent Title	Application No. with date	Present Status (if awarded, Patent No.)
5.	Dr. Thombre S.B.	Solar water heater flat plate collector absorber having square sectioned riser tubes with integral fins	456/ MUM/ 2013 (Publication date 12 Apr 2013; Journal No 15/2013)	Issued
6.	Dr. Thombre S.B.	Solar water heater flat plate collector absorber having semi-circular sectioned riser tubes with integral fins	457/ MUM/ 2013 (Publication date 12 Apr 2013; Journal No 15/2013)	Issued
7.	Dr. Shital S. Chiddarwar	Rapid Reconfigurable Modular Robot System,	2319/MUM/2014 date 29.01.2014	Filed



Fourier Transform Infrared Spectroscope, Thermo gravimetric Differential Thermal Analyser



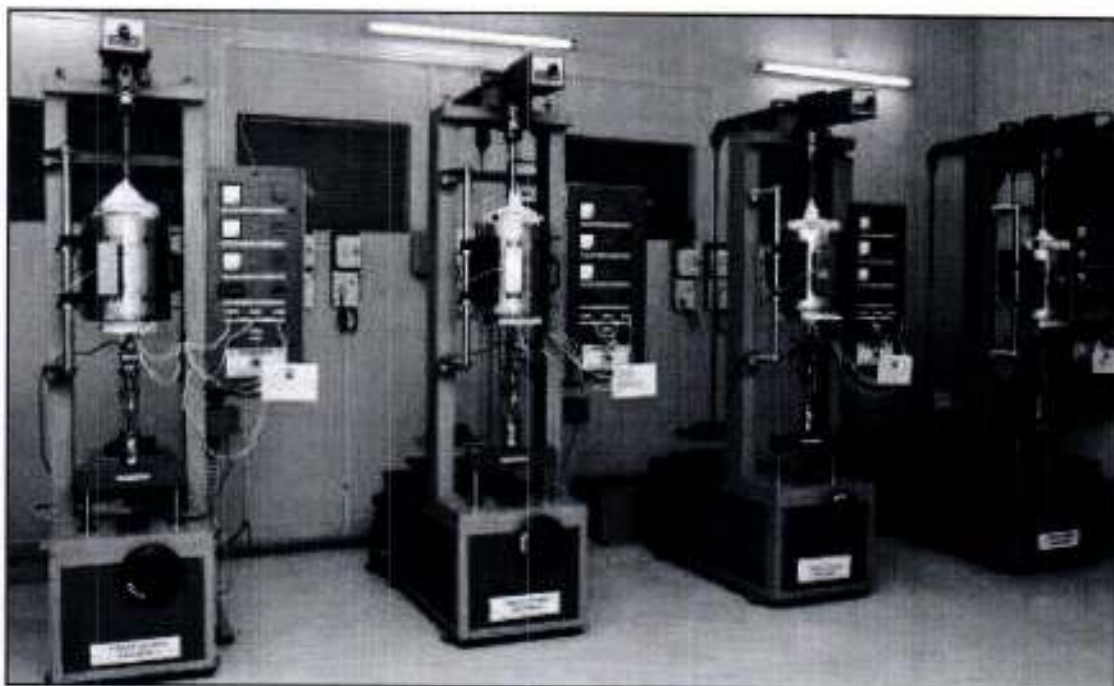
Converter / Inverter Demonstration Kit



Synchrophasor Based Relay



Power Electronics Laboratory



Creep Testing Machine



Scanning Electron Microscope



X-Ray Diffractometer



Universal Testing Machine



Rapid Prototyping Machine

6. THE COUNCIL, BoG AND OTHER COMMITTEES

6.1 NIT Council

1.	Shri M. M. Pallam Raju Minister for Human resource Development	Chairman
2.	Shri Ashok Thakur Secretary (Higher Education), Ministry of Human Resource Development	Vice-Chairman
3.	Ms. Amrita Sharma Additional Secretary (TE), Department of Higher Education, Ministry of Human Resource Development	Member-Secretary
4.	Shri A. N. Jha Joint Secretary & Financial Adviser, Ministry of Human Resource Development	Member
5.	Shri Rajesh Singh, Director (NITs), Department of Higher Education Ministry of Human Resource Development	Member
6.	Ms. Mamta Verma Director (Media), PIB-HRD Nominee of Rajya Sabha and Lok Sabha	Member
7.	Prof. P. J. Kurien Member of Parliament, Rajya Sabha	Member
8.	Shri Sanjay Dhotre Member of Parliament Lok Sabha	Member

9.	Shri Hassan Khan Member of Parliament, Lok Sabha Secretaries / DG CSIR / Chairmen UGC & AICTE	Member
10.	Dr. Srikumar Banerjee Secretary, Department of Atomic Energy, Govt. of India	Member
11.	Prof. Ved Prakash Chairman, University Grants Commission (UGC), New Delhi	Member
12.	Dr. Samir K. Brahmachari Director General, Council of Scientific & Industrial Research (CSIR)	Member
13.	Dr. Maharaj Kishan Bhan Secretary, Department of Biotechnology, Ministry of Science & Technology	Member
14.	Dr. K. Radhakrishnan Secretary, Department of Space, Government of India	Member
15.	Dr. S. S. Mantha Chairman, All India Council for Technical Education, New Delhi Visitor' s [President of India] Nominee	
16.	Dr. R. A. Mashelkar CSIR Bhatnagar Fellow, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune	Member
17.	Prof. Prem K. Kalra Director, Indian Institute of Technology, Rajasthan	Member

18.	Prof. M. S. Ananth Former Director, Indian Institute of Technology Madras, Chennai	Member
19.	Dr. Maheshappa Vice Chancellor, Visvesvaraya Technological University, Belgaum, Karnataka	Member
20.	Prof. Swapna Banerjee Department of Electronics & Electrical Communications Indian Institute of Technology, Kharagpur Chairpersons, BoG of Older 20 NITs	Member
21.	Prof. P. N. Singh Chairperson, Board of Governors, National Institute of Technology, Agartala	Member
22.	Dr. V. K. Sarasvat Chairperson, Board of Governors, Motilal Nehru National Institute of Technology, Allahabad	Member
23.	Prof. G. K. Mehta Chairperson, Board of Governors, Maulana Azad National Institute of Technology, Bhopal	Member
24.	Dr. C. G. Krishnadas Nair Chairperson, Board of Governors, National Institute of Technology, Calicut	Member
25.	Prof. Bikash Sinha Chairperson, Board of Governors, National Institute of Technology, Durgapur	Member

26.	Prof. V. S. Ramamurthy Chairperson, Board of Governors, National Institute of Technology, Hamirpur	Member
27.	Dr. K. K. Aggarwal Chairperson, Board of Governors, Malaviya National Institute of Technology, Jaipur	Member
28.	Dr. Anil Kakodkar Chairperson, Board of Governors, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	Member
29.	Dr. V. S. Chauhan Chairperson, Board of Governors, National Institute of Technology, Jamshedpur	Member
30.	Dr. A. Sivathanu Pillai Chairperson, Board of Governors, National Institute of Technology, Kurukshetra	Member
31.	Prof. S. K. Joshi Chairperson, Board of Governors, Visvesvaraya National Institute of Technology, Nagpur	Member
32.	Prof. M. B. Verma Chairperson, Board of Governors, National Institute of Technology, Patna	Member
33.	Shri Sudhir Vasudeva Chairperson, Board of Governors, National Institute of Technology, Raipur	Member
34.	Shri B. S. Sudhir Chandra Chairperson, Board of Governors, National Institute of Technology, Raourkela	Member

35.	Prof. Asis Datta Chairperson, Board of Governors, National Institute of Technology, Silchar	Member
36.	Shri Wajahat Habibullah Chairperson, Board of Governors, National Institute of Technology, Srinagar	Member
37.	Dr. J. Narayana Das Chairperson, Board of Governors, Sardar Vallabhbhai National Institute of Technology, Surat	Member
38.	Shri S. C. Tripathi Chairperson, Board of Governors, National Institute of Technology Karnataka, Surathkal	Member
39.	Prof. Rajaram Nityananda Chairperson, Board of Governors, National Institute of Technology, Tiruchirappalli	Member
40.	Prof. B. L. Deekshatulu Chairperson, Board of Governors, National Institute of Technology, Warangal Directors of Older 20 NITs	Member
41.	Prof. P. K. Bose Director, National Institute of Technology, Agartala	Member
42.	Prof. parthasarathi Chakraborti Director, Motilal Nehru National Institute of Technology, Allahabad	Member

43.	Dr. Appu Kuttan K. K. Director, Maulana Azad National Institute of Technology, Bhopal	Member
44.	Dr. M. N. Bandyopadhyay Director, National Institute of Technology, Calicut	Member
45.	Prof. Tarkeshwar Kumar Director, National Institute of Technology, Durgapur	Member
46.	Prof. Rajnish Shrivastava Director, National Institute of Technology, Hamirpur	Member
47.	Prof. I. K. Bhat Malaviya National Institute of Technology, Jaipur	Member
48.	Dr. Samir Kumar Das Director, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	Member
49.	Prof. Rambabu Kodali Director, National Institute of Technology, Jamshedpur	Member
50.	Dr. Anand Mohan Director, National Institute of Technology, Kurukshetra	Member
51.	Dr. Narendra S. Chaudhary Director, Visvesvaraya National Institute of Technology, Nagpur	Member
52.	Prof. Asok De Director, National Institute of Technology, Patna	Member

53.	Dr. Sudarshan Tiwari Director, National Institute of Technology, Raipur	Member
54.	Prof. Sunil Kumar Sarangi Director, National Institute of Technology, Raourkela	Member
55.	Dr. N. V. Deshpande Director, National Institute of Technology, Silchar	Member
56.	Prof. Rajat Gupta Director, National Institute of Technology, Srinagar	Member
57.	Dr. P. D. Porey Director, Sardar Vallabhbhai National Institute of Technology, Surat	Member
89.	Prof. Swapan Bhattacharya Director, National Institute of Technology Karnataka, Surathkal	Member
59.	Dr. S. Sunderrajan Director, National Institute of Technology, Tiruchirappalli	Member
60.	Prof. T. Srinivasa Rao Director, National Institute of Technology, Warangal Chairperson BoG of 10 new NITs	Member
61.	Dr. Y. S. Rajan Chairperson, Board of Governors, National Institute of Technology, Manipur	Member

62.	Dr. Ratan Kumar Sinha Chairperson, Board of Governors, National Institute of Technology, Sikkim	Member
63.	Dr. Gagan Prathap Chairperson, Board of Governors, National Institute of Technology, Arunachal Pradesh	Member
64.	Shri Bhaskar Bhat Chairperson, Board of Governors, National Institute of Technology, Uttarakhand	Member
65.	Shri K. Ravi Kumar Chairperson, Board of Governors, National Institute of Technology, Mizoram	Member
66.	Dr. V. K. Aatre Chairperson, Board of Governors, National Institute of Technology, Goa	Member
67.	Dr. Baldev Raj Chairperson, Board of Governors, National Institute of Technology, Puducherry	Member
68.	Shri R. Shanthanam Chairperson, Board of Governors, National Institute of Technology, Delhi	Member
69.	Shri Nayan Mani Borah Chairperson, Board of Governors, National Institute of Technology, Nagaland	Member
70.	Prof. D. K. Basu Chairperson, Board of Governors, National Institute of Technology, Meghalaya	Member

	Directors of 10 new NITs	
71.	Prof. Sandeep Sacheti Director, National Institute of Technology, Delhi	Member
72.	Dr. G. R. C. Reddy, Director, National Institute of Technology, Goa	Member
73.	Dr. A. B. Samaddar Director, National Institute of Technology, Sikkim	Member
74.	Prof. H. T. Thorat Director, National Institute of Technology, Uttarakhand	Member
75.	Dr. C. T. Bhunia Director, National Institute of Technology, Arunchal Pradesh	Member
76.	Prof. Dilip Kumar Saikia Director, National Institute of Technology, Meghalaya	
77.	Dr. (Mrs.) S. K. Pandey Director, National Institute of Technology, Puducherry	Member
78.	Dr. V. Ramachandran Director, National Institute of Technology, Nagaland	Member
79.	Prof. U. C. Ray Director, National Institute of Technology, Mizoram	Member
80.	Prof. P. K. Bose Director, National Institute of Technology, Manipur	Member

6.2 Board of Governors

Sr.No.	Name	Designation
1	Dr. S. K. Joshi Distinguished Scientist (CSIR) & Vikram Sarabhai Professor of JNCASR, National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi 110012	Chairman
2	Smt. Amita Sharma (IAS), Special Secretary (NITs), Department of Higher Education, Ministry of HRD, Govt. of India, "C" Wing, Shastri Bhavan, NEW DELHI 110 115	Member
3	Jt. Secretary & Financial Advisor (HRD), Ministry of HRD, Deptt. of Higher Education (IFD), 118-C, Shastri Bhawan, NEW DELHI 110 115	Member
4	Dr. U. N. Gaitonde Professor, Department of Mechanical Engineering, IIT Bombay, Mumbai 440076	Member
5	Prof. (Mrs.) Joyashree Roy Professor of Department of Economics, Jadavpur University, Kolkata, 11, Central Park, KOLKATA 700 032	Member
6	Prof. S. C. Sahasrabudhe Director, Dhirubhai Ambani Institute of Information & Communication Technology, Gandhinagar, Near Indroda Circle, GANDHINAGAR 382 007	Member

Sr.No.	Name	Designation
7	Prof. R. K. Paretkar Professor, Metallurgical & Materials Engineering Department, VNIT, Nagpur	Member
8	Mr. I. L. Muthreja Associate Professor, Mining Engineering Department, VNIT, Nagpur	Member
9	Dr. Narendra Chaudhari Director, VNIT, Nagpur	Member
10	Dr. B. M. Ganveer (upto 30th Nov 2013)	Secretary
11	Dr. R. R. Yerpude (from 1st Dec 2013) Registrar, VNIT, Nagpur	

6.3 The Finance Committee

1	Dr. S. K. Joshi Distinguished Scientist (CSIR) & Vikram Sarabhai Professor of JNCASR National Physical Laboratory Dr. K. S. Krishnan Marg, New Delhi 110012	Chairman
2	Smt. Amita Sharma (IAS), Special Secretary (NITs), 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

Sr. No.	Name	Designation
4	Prof. S. C. Sahasrabudhe Director, Dhirubhai Ambani Institute of Information & Communication Technology, Gandhinagar, Near Indroda Circle, GANDHINAGAR 382 007	Member
5	Dr. U. N. Gaitonde Professor, Department of Mechanical Engg., IIT Bombay, Mumbai - 440076	Member
6	Dr. Narendra Chaudhari Director, VNIT, Nagpur	Member
7	Dr. B. M. Ganveer (upto 30th Nov 2013) Dr. R. R. Yerpude (from 1st Dec 2013) Registrar, VNIT, Nagpur	Member-Secretary

6.4 Building & Works Committee

1	Dr. Narendra Chaudhari Director, VNIT, Nagpur	Chairman
2	Shri Rajesh Singh Deputy Secretary (NITs), Dept. of Higher Education, Ministry of Human Resource Development, Room No. 326, "C" Wing, Shastri Bhavan, NEW DELHI 110 115	Member
3	Shri Navin Sol Director (Finance) IFD, Ministry of HRD, Govt. of India, Department of Higher Education, "C" Wing, Shastri Bhawan, NEW DELHI 110001	

Sr. No.	Name	Designation
4	Prof. S. C. Sahasrabudhe Director, Dhirubhai Ambani Institute of Information & Communication Technology, Gandhinagar, Near Indroda Circle, GANDHINAGAR 382 007	Member
5	Dr. S. R. Sathe Dean (P&D), V.N.I.T., Nagpur	Member
6	Superintending Engineer (Civil) Central P.W.D., Bunglow No. 6, Seminary Hills, Nagpur 440 006	Member
7	Suptd. Engineer (Electrical) Nagpur Central Electrical Circle, CPWD, CGO Complex, B-Block, 3rd Floor, Seminary Hills, NAGPUR 440006	Member
8	Chief Engineer Public Works Department, Bandhkam Sankul, B.No.39/I, Civil Lines, NAGPUR 440001	Member
9	Supdt. Engineer (Electrical) Public Works Department, Bandhkam Sankul, B.No.39/I, Civil Lines, NAGPUR 440001	Member
10	Dr. B. M. Ganveer (upto 30th Nov 2013) Dr. R. R. Yerpude (from 1st Dec 2013) Registrar, VNIT, Nagpur	Member-Secretary

6.5 The Senate

1	Dr. Narendra S. Chaudhari Director, VNIT, Nagpur	Chairman
2	Prof. Milind Atrey Professor and In-charge SINE, Department of Mechanical Engineering, IIT Bombay, Powai, MUMBAI 400076	Member
3	Dr. (Ms.) Kamal Singh Rtd. Vice-Chancellor of Amravati University Nelco Society, NAGPUR	Member
4	Prof. Meenakshi Gupta Department of Humanities and Social Science, IIT Bombay, Powai, MUMBAI 400076	Member
5	Dr. S. R. Sathe Dean (Planning & Development), VNIT, Nagpur	Member
6	Dr. R. K. Ingle Dean (Faculty Welfare), VNIT, Nagpur	Member
7	Dr. H. M. Suryawanshi Dean (Research & Consultancy) , VNIT, Nagpur	Member
8	Prof. O. R. Jaiswal Dean (Academics), VNIT, Nagpur	Member
9	Dr. G. P. Singh Dean (Students Welfare), VNIT, Nagpur	Member
10	Dr. S. V. Bakre Head, Deptt. of Applied Mech, VNIT, Nagpur	Member

11	Prof. L. M. Gupta Professor of Structural Engg , VNIT, Nagpur	Member
12	Dr. M. M. Mahajan Professor of Structural Engg, VNIT, Nagpur	Member
13	Dr. G. N. Ronghe Professor of Structural Engg, VNIT, Nagpur	Member
14	Dr. K. L. Wasewar Head, Chemical Engg. Deptt., VNIT, Nagpur	Member
15	Dr. A. R. Tembhurkar Head, Civil Engg. Deptt., VNIT, Nagpur	Member
16	Dr. V. A. Mhaisalkar Professor of Civil Engineering, VNIT, Nagpur	Member
17	Dr. Rajesh Gupta Professor of Civil Engineering, VNIT, Nagpur	Member
18	Dr. Y. B. Katpatal Professor of Civil Engg., VNIT, Nagpur	Member
19	Dr. M. V. Aware Head, Deptt. of Electrical Engg., VNIT, Nagpur	Member
20	Dr. R. B. Deshmukh Head, Deptt. of Electronics Engg., VNIT, Nagpur	Member
21	Dr. A. G. Keskar Professor of Electronics & Comm., VNIT, Nagpur	Member

22	Dr. R. M. Patrikar Professor of Electronics & Comm., VNIT, Nagpur	Member
23	Dr. K. D. Kulat Professor of Electronics Engg, VNIT, Nagpur	Member
24	Dr. A. S. Gandhi Professor of Electronics Engg, VNIT, Nagpur	Member
25	Dr. P. S. Deshpande Head, Department of Computer Sc. & Engg., VNIT, Nagpur	Member
26	Dr. S. B. Thombre Head, Deptt. of Mechanical Engg., VNIT, Nagpur	Member
27	Dr. I. K. Chopde Professor of Mechanical Engg., VNIT, Nagpur	Member
28	Dr. P. M. Padole Professor of Mechanical Engg., VNIT, Nagpur	Member
29	Dr. Animesh Chatterjee Professor of Mechanical Engg., VNIT, Nagpur	Member
30	Dr. A. M. Kuthe Professor of Mechanical Engg., VNIT, Nagpur	Member
31	Dr. R. K. Paretkar Head, Deptt. of Metallurgical & Materials Engg., VNIT, Nagpur	Member
32	Dr. D. R. Peshwe Professor of Metallurgical & Materials Engg., VNIT, Nagpur	Member

33	Dr. A. P. Patil Professor of Metallurgical & Materials Engg., VNIT, Nagpur	Member
34	Dr. S. G. Sapate Professor of Metallurgical & Materials Engg. VNIT, Nagpur	Member
35	Prof. S. Shringarputale Head, Deptt. of Mining Engg., VNIT, Nagpur	Member
36	Dr. R. R. Yerpude Chairman BoS, Mining Engg., VNIT, Nagpur	Member
37	Dr. Rajashree Kotharkar Head, Deptt. of Architecture, VNIT, Nagpur	Member
38	Dr. (Mrs.) Alpana Dongre Prof., Deptt. of Architecture, VNIT, Nagpur	Member
39	Dr. V. S. Adane Professor of Architecture, VNIT, Nagpur	Member
40	Dr. V. K. Deshpande Head, Deptt. of Applied Physics, VNIT, Nagpur	Member
41	Dr. S. S. Umare Head, Deptt. of Chemistry, VNIT, Nagpur	Member
42	Dr. P. P. Chakravarthy Head, Deptt. of Mathematics, VNIT, Nagpur	Member
43	Dr. Y. M. Deshpande Head, Deptt. of Humanities, VNIT, Nagpur	Member

44	Dr. A. B. Andhare Faculty I/c T&P VNIT, Nagpur	Member
45	Dr. D. H. Lataye Chief Warden, VNIT, Nagpur	Member
46	Dr. B. M. Ganveer (upto 30th Nov 2013) Dr. R. R. Yerpude (from 1st Dec 2013) Registrar, VNIT, Nagpur.	Secretary

Students Representative (for the matters related to Students Affairs)

General Secretary

Secretary, Under graduate Academic Affairs

Secretary, Post graduate Academic Affairs

6.6 Staff Selection Committee

(a) The Selection committee for recruitment of Academic Staff (excluding the Director and the Deputy Director), or for promotion:

- | | | |
|-----|---|----------|
| (1) | Director or Deputy Director | Chairman |
| (2) | Visitor's Nominee | Member |
| (3) | Two nominee of the Board one being an expert,
but other than a member of the Board | Member |
| (4) | One expert nominee of Senate from, outside the
institute | Member |
| (5) | Head of Department concerned
(for other than the post of Professor) | Member |

- (b) **The Selection Committee for Technical posts:**
- | | | |
|-----|---|----------|
| (1) | Director or Deputy Director | Chairman |
| (2) | One Expert from outside the Institute | Member |
| (3) | Nominee of Ministry of Human Resource Development | Member |
| (4) | Concerned Head of Department | Member |
| (5) | Registrar | Member |
- (c) **The Selection Committee for Administrative and Ministerial Staff:**
- | | | |
|-----|---|----------|
| (1) | Director or Deputy Director | Chairman |
| (2) | One Expert from outside the Institute | Member |
| (3) | Nominee of Ministry of Human Resource Development | Member |
| (4) | Registrar | Member |
- (d) **The Selection Committee for Senior Administrative and other comparable posts carrying pay scale of Lecturer and above:**
- | | | |
|-----|---|----------|
| (1) | Director or Deputy Director | Chairman |
| (2) | One Expert from outside the Institute | Member |
| (3) | Nominee of Ministry of Human Resource Development | Member |
| (4) | Nominee of Board | Member |
| (5) | Registrar | Member |

Other Committees

STORES PURCHASE COMMITTEE

- | | | |
|----|--|------------------|
| 1. | Dr. L. M. Gupta, Prof. AME Deptt. | Chairman |
| 2. | Dr. S.R. Sathe, Dean (P&D) | Member |
| 3. | Dr. H. M. Suryawanshi, Dean (R & C) | Member |
| 4. | Dr. B.M. Ganveer, Registrar (upto 30/11/2013)
Dr. Rajendra Yerpude, Registrar | Member |
| 5. | Shri. V. K. Sinha, Director, NPTI, Nagpur | Member |
| 6. | Shri. R.L. Kachroo, O.S.D. (Stores) | Member-Secretary |

GRIEVANCE COMMITTEE

- | | | |
|----|---|------------------|
| 1. | Dr. M. M. Mahajan
Professor in Structural Engineering
(Nominated by the Director VNIT) | Chairman |
| 2. | Prof. Aniket M. Deshmukh
Asst. Prof. in Architecture
(Teacher's Representative) | Member |
| 3. | Shri Ashok Thakur
Sr. Assistant
(President, Non-Teaching Employees Union) | Member |
| 4. | Shri C. V. Chalpati Rao
(Nominee of the Director, NEERI, Nagpur) | Member |
| 5. | Prof. V. S. Kapse
Liaison Officer, SC/ST (Liaison Officer (SC/ST)) | Member |
| 6. | Dr. A. Andhare
Asso. Prof, Deptt. of Mech. Engg.,
(Nominated by the Director VNIT) | Member-Secretary |

7. CONCESSIONS FOR SCs, STs, PWD STUDENTS

Students (from Maharashtra State) under SC/ST etc category students are having exemption in fees payment. They are required to apply for online to Gol PM scholarship scheme operated by the Social Welfare department of Govt. of Maharashtra. Fees grant is received from DSWO, Nagpur under Govt. of Maharashtra Department of Social Welfare. Students (Other than MH state) under SC, ST and PWD category are not having exemption in fees payment. They are required to apply to their respective State Government agencies for sanction of scholarship as per their rules. Refund of fees initially paid by such students is given on receiving the grants from their respective state agencies in respect of them. Students of SC/ST selected under Gol New Central Sector scholarship are having exemption in fees payment. They are required to apply for scholarship in specific formats. Fees are sanctioned from the respective competent authority. Students of SC/ST category of M.Tech. (with GATE)/M Sc program are also given re-embursement of tuition fees.

8. FINANCIAL STATUS

8.1 Analysis of Plan and Non-Plan Grants

- a. Plan grant is mainly received for construction of buildings, roads / renovation or Institutional and other buildings, procurement of equipment and all developmental work.
- b. Non-Plan grant is received for recurring expenditure viz. salary (Pay Allowances, Pension), Scholarships, Estate Maintenance Work, Departmental Operative expenses, maintenance / repairs of equipment, expenditure on water, electricity, telephone, books, periodicals and contingencies.
- c. Apart from Plan and Non-Plan grant Institution also receive grants from MCIT, DAE for R&D, MoD, MST, MOD, MRD, World Bank Schemes, TEQIP etc. for promotion of Institute's developmental activities.
- d. The Audit of Accounts has been entrusted to the CAG of India. The office of the Director General of Audit (AB), Mumbai has carried out the Audit Account of the Institute during the year 2013-14.

8.2 Sources of Funds

The entire expenditure on Plan and Non-Plan grant is received from the Central Government through Ministry of HRD, Deptt. of Higher Education.

8.3 Expenditure Position for last three years

The Income and Expenditure Account for the years 2011-12, 2012-13 and 2013-14 is as below:

Income

(Rs. In Lakhs)

S N	Particulars	2013-14	2012-13	2011-12
1	Grant received from the Central Govt.	5400.00	500.00	1149.00
2	Fees and Subscription	1614.57	1779.67	1003.25
3	Income from Investments	0.00	0.00	0.00
4	Interest Earned	32.69	170.99	193.66
5	Other Income	453.51	152.85	370.12
6	Income from Sales/Services	278.35	327.29	284.12
	Total	7779.12	2930.80	3000.15

Expenditure

(Rs. In Lakhs)

S N	Particulars	2013-14	2012-13	2011-12
1	Establishment Expenses	5427.30	4458.44	3135.74
	i) Pay and Allowances	5108.00	3415.03	2321.67
	ii) Pension	94.05	1019.57	736.41
	iii) Scholarship	225.25	23.84	77.66
	Other Administrative Expenses (Contingency)	642.70	1165.08	946.45
	Total	6070.00	5623.52	4082.19

9. CENTRAL FACILITIES AND SERVICES

9.1 Computer Services Centre

The Institute has an independent Computer Centre for catering to the requirements of the Institute. The Centre remains open for the extended hours i.e. upto mid-night everyday. Students visiting the Centre during odd hours have been provided guidance as and when necessary. The Computer Center has adequate number of computers, printers, thin clients etc.

9.2 Workshop

The workshop in Mechanical Engineering department is fully equipped and includes a Machine shop, Fitting shop, Carpentry shop, Welding shop, Smithy shop and Foundry shop. Six trained Instructors assist the teachers during the conduct of practicals.

The services of workshop are also available for development of infrastructure of various departments, service centres of the Institute.

9.3 Library

Total : 1,61,325 (Books, Journals, Standards and Non Book materials)

Collection of Books	(Total Books 1,33,687)
General Books 70,264	E-Books 4064
Book Bank 27,950	Books from Students Aid Fund 3,941
Social Welfare Book Bank 15,978	UGC Book Bank - 483
Gratis Books 4015	UGC / SAF Books 4,331
British Council Book Bank 291	Book Bank Scheme for ST 386
Addl. Intake 120-256	UG Project Report/PG/PhDs Thesis - 1,728+92

Periodicals	(Total Periodicals & Bound Volumes 16,198)
National Print 52	International Print -89
Gratis Periodicals & Pamphlets 73	E- Journals (Through Elsevier Science Direct) - 694
Bound Volumes 13,754	E- Journals (Through ACS) 42
	E- Journals (Through T & F) 01
	E- Journals (Through SIAM) 16
	E- Journals (Through INDEST) 814
	E- Journals (1 Set) 425
	E-Journals 06 Complimentary
	E- Standards 155 Complimentary
	E- Conference Papers 77 Complimentary (Through IEL for 2 Years) (2013-14 & 2014-15)
Standards	(Total Indian & Foreign Standards 9,096)
Indian Standards 8,759	Society Standards 337
Non-Book Material	(Total Non Book Material 2344)
CDs & Floppy's -1316	Audio Visual Material - 298

Audio Visual Material - 730

Expenditure during the year (1st April 2013 to 31st March 2014)

S N	Grants	Amount Allocation	Amount Spent	Volumes added
1	General Books & Maps	70.00 Lac	69,75,390.15	2082
2	Book Bank Books	15.00 Lac	12,39,527.25	2871
3	E-Books TEQIP - II	60.00 Lac	58,38,316.43	1014
4	Periodicals & News Papers	105.00 Lac	1,09,76,717.00	894
5	IEL Online Periodicals For 2013-14 & 2014-15	52,57,728.00	52,57,728.00	(1 Set) 425+ (238 complimentary) =663

Details of electronics resources available through INDEST:

ACM Digital Library,
ASCE Journals,
ASME Journals,
IEL Online,
Nature,
Proquest Science,
Springer Verlag's Link,
Elsevier's Science Direct and

J-Gate CCC.

Any Other Information not covered above:-

Highlights:

1. Web Based Library Information has been made available on the intranet at URL <http://192.168.15.27001>
2. The INDEST resources are also available through our [www.vnit.ac.in/web sites-Library-Electronic resources](http://www.vnit.ac.in/web-sites-Library-Electronic-resources)
3. Xerox copies services of Research Papers / Periodicals Article through JCCC. URL <http://jccc-informindia.co.in>
4. The NPTEL website accessible through www.vnit.ac.in
5. The barcode technology has been implemented in LIRC. The users can get the books issued in a hassle free manner using this technology.
6. Library books have been tagged with RFID from June 2011. The advantage of this technology is to stop the misplacement of books. Issue and return of books has been streamlined because of this technology.
7. The CCTVs have been installed to detect theft, misplacement of books and the suspicious movement of clientele.

Regular Services:

Circulation

CAS

SDI

OPAC

Reference

Serials Reading

Photocopying

Reading Material Searching & Retrieval

Book-Bank & SWBB, Internet Access

On Line Full Text / Images Article Retrieval through INDEST

Special Services Provided On Demand:

Technical Enquiry Service

Industries Institute Interaction

Frequently Asked Question, Referral Services

9.4 Laboratories

Applied Mechanics Department

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 Laborator

Chemical Engineering Department

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

6. Mass transfer
7. Mechanical operation
8. Fluid mechanics

Civil Engineering Department

1. Geology,
2. Remote Sensing and GIS
3. Geotechnical Laboratory
4. Environmental Engg (UG)
5. Environmental Chemistry Lab
6. Environmental Microbiology Lab
7. Transportation Engineering Lab
8. Surveying
9. PG Environmental Engineering (Computer Laboratory)
10. Built Environment Test Room
11. Air Pollution Lab
12. Fluid Mechanics' Lab and Hydraulics Laboratory
13. Water Resources Engineering Laboratory
14. Building Materials and Technology lab
15. Construction Technology & Management Lab
16. Concrete Technology

Electrical Engineering Department

1. Power Electronics Laboratory
2. Electric Machines Laboratory

3. Electric Drives Laboratory
4. High Voltage Laboratory
5. Measurements and Instrumentation Laboratory
6. Network Theory Laboratory
7. U. G. and P.G. PC Laboratories
8. Non-conventional Energy Sources Laboratory
9. Power System Protection
10. Control Systems Laboratory
11. Microprocessor Laboratory
12. Basic Electrical Engineering Laboratory
13. Electrical Workshop
14. Hobby Workshop

Computer Science & Engineering Department

1. Computing Lab. I
2. Computing Lab. II
3. Computer Network Lab
4. Cloud Computing Lab
4. PG Lab. - I
5. PG Lab. II
6. Research Lab

Electronics Engineering Department

1. Electronics Devices and Circuits / Electronics Workshop
2. Digital Circuits / Microprocessors Laboratory

3. Analog Circuits / Linear Integrated Circuits Laboratory
4. Embedded Systems UG (ATMEL MCU CENTRE)
5. Embedded & Signal Processing LAB (TEXAS INSTRUMENTS Embedded Lab)
6. Communication Engg. Laboratory
7. Computer Networks Laboratory
8. RF Design Laboratory
9. Digital Signal Processing Lab
10. Computer Vision and Image Processing Lab
11. National MEMS Center
12. VLSI Laboratory
13. NANO Electronics Laboratory
14. Clean room (VLSI)
15. Optical Communication laboratory
16. Center of Excellence 'COMMBEDDED' Systems Laboratory

Mechanical Engineering Department

1. CAD / CAM Center
2. Computer Graphics and Solid Modeling Laboratory
3. E- Foundry Laboratory
4. CAM Lab
5. Solid Mechanics Laboratory.
6. Metrology Laboratory
7. IC Engine Laboratory
8. Flexible manufacturing systems and Robotics

9. Fuel cell laboratory (MEP 516 Fuel Cell Laboratory)
10. Computer Laboratory
11. Ergonomics laboratory
12. Fluid Power laboratory
13. Mechatronics laboratory
14. Machine Dynamics laboratory
15. Refrigeration and Air Conditioning laboratory
16. Steam and Heat Power laboratory
17. Solid Modelling Laboratory
18. CFD Lab
19. Machine & Mechanism Laboratory
20. Measurement Laboratory

Metallurgical & Materials Engineering Department

1. Physical Metallurgy
2. Heat treatment
3. Wear of Engineering Materials
4. Mineral Dressing
5. Corrosion Engineering
6. Creep Laboratory
7. Testing of Materials
8. Work shop
9. Polymer Engineering
10. Thermal analysis

11. SEM & XRD

Mining Engineering

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

Architecture & Planning Department

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

Physics Department

1. Materials Science Laboratory
2. Nanotech Polymer Lab(Research Lab)
3. Ground Floor (B. Tech. Lab.)
4. First Floor (B. Tech. Lab.)
5. General Physics (M.Sc. Lab.)
6. Electronics (M.Sc. Lab.)

Chemistry Department

1. UG Laboratory for B.Tech.
2. Physical Chemistry Laboratory
3. Organic Chemistry & Synthesis Lab.
4. Organic Chemical Technology Lab.
5. Organic chemistry lab
6. Inorganic Chemistry Lab
7. Physical Chemistry Lab
8. Analytical Chemistry Lab
9. Synthesis and Characterisation Lab

Mathematics Department

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

9.5 Hospital, Post Office, Shopping Centre

Hospital

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

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

Post Office

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

Shopping Centre

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

9.6 Physical facilities

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

9.7 Games and Sports facilities

One cricket ground with six turf wickets.

One football ground with flood light arrangement.

Two volleyball courts with flood light

Three lawn tennis courts.

One flood-lit basketball court.

Well equipped gymnasium

Table tennis hall

Cricket pavilion with the seating capacity of 500 students

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

9.8 Other facilities like Hostels, Messes, Staff Quarters, Administration etc.

1. Total Number of Hostels :
 - a) Boys Hostels- 9 Nos. - Capacity 058 students
 - b) Girls Hostels - 4 Nos. - Capacity 465 students
 - c) Transit Accommodation - 32 Students
2. Total Number of Quarters:
 - a) Type I (Class IV) - 28 Nos.
 - b) Type II (Class III) - 33 Nos.
 - c) Type III (Asth. Lect) - 08 Nos.
 - d) Type IV (Lecturer) - 42 Nos.
 - e) Type V (Asst. Prof.) - 06 Nos.
 - f) Type VI (Prof.) - 09 Nos.
3. Total No. of Classrooms
 - a) Class rooms : 100 capacity- 11 Nos.

& their capacity:

60 capacity- 28 Nos.

50 capacity - 04 Nos

40 capacity - 13 Nos.

30 capacity - 13 Nos.

Total = 69 Nos.
4. Number of Playgrounds : 09 Nos.
5. Number of Gymnasium : 02 Nos.

6. Number of Auditorium : 01 No.

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

8. Any other Facilities available in the Campus:

Medical centre, Shopping centre, Banks, ATMs, Post office, Canteen, Recreation clubs.

10 NOTABLE ACHIEVEMENTS / HIGHLIGHTS

Applied Mechanics Department

1. Dr. D. Datta is nominated for the scheme for "Mentoring of Engineering Teachers by INAE fellows" under the guidance of Dr. Subrata Chakraborty for working on "Seismic vulnerability of structures" on March 2014.
2. Mr. P. Pravin Kumar Rao received best paper award in IDCIS-2014, NIT Durgapur.
3. Mrs. Mane, M. Tech. student received best M Tech thesis award

Chemical Engineering Department

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

Modeling of 'Incompressible Fluid Flow' on 1st March 2014 in One Week Workshop on CFD Fundamentals and Software Training, Feb 26 March 2, 2014, Department of Mechanical Engineering, VNIT Nagpur (2014)

'Introduction to Computational Fluid Dynamics (CFD) for Chemical Engineers' on 14th January 2014 in Two Days Workshop on Computational Fluid Dynamics, 14-15 January 2014, (Under TEQIP-II), Department of Chemical Engineering, Madhav Institute of Technology & Science (MITS), Gwalior M.P. (2014)

'Status and Prospects of Bio-Energy' on 26th December 2013 in STTP on Bio-Energy Conversion Technology (BECT-2013), 24-28 December, Department of Chemical Engineering, MANIT Bhopal (2013)

'Intensifying Approaches' on 19th December, 2014 in One Week Self-Sponsored STTP on 'Analytical Application of Spectroscopy and Chromatography (AASC - 2013) 16-20 December, 2013, Department of Chemical Engineering, VNIT Nagpur (2013)

'Mass Transfer with reaction' on 6th December 2013 in STTP on 'Advances in heat Transfer, Fluid Mechanics, and Mass Transfer' 2-11 December 2013, Department of Chemical Engineering, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal, Maharashtra (2013)

'Sustainability in Chemical Process Industry, 3rd October 2013, expert Lecture, Department of Chemical Engineering, Shri Datta Meghe Polytechnic, Nagpur (2013).

'Process Intensification: An Overview for Reaction and Separation' on 3rd June 2013 in STTP on 'Advances in Separation Processes' 3-7 June 2013, Department of Chemical Engineering, VNIT Nagpur (2013).

'Deep De-sulfurization of Liquid Fuels using Ionic Liquids' on 6th April 2013 in International Conference on 'Advances in Chemical Engineering' 5-6 April 2013, Department of Chemical Engineering, National Institute of Technology (NIT), Raipur India (2013)

Dr. Kailas Wasewar : Other Notable Achievements

Member of Board of Studies Department of Chemical Engineering, Ujjain College of Engineering, Ujjain.

Member of Board of Studies Department of Chemical Engineering, Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded Maharashtra.

Chief guest of National Conference at JDIET Yawatmal on 11th October 2013:

Appointed as Visiting Professor (May 2013 April 2014), Kyung Hee University South Korea.

Expert member for interview panel of Head, Govt. Polytechnics, MPSC, Govt. of Maharashtra, January 2014

Chaired the Judge for Poster Session on 6th April 2013 in International Conference on 'Advances in Chemical Engineering' 5-6 April 2013, Department of Chemical Engineering, National Institute of Technology (NIT), Raipur India (2013)

Chemistry Department

Dr. S.S. Umare

Invited talk delivered at National Conference on Current Development in Nanoscience: Challenges Opportunities, Kamla Nehru Mahavidyalaya, Nagpur. On 14th Sept. 2013. Title : "Design of Novel materials for Environmental Remediation"

Invited talk on delivered Liquid Crystal Polymers and nanomaterials at Department of

Chemistry Dr. Ambedkar College of Engineering and Research, Wanadongri, Nagpur.
On 13th March, 2014

Ph.D. Supervisor of R.C. Rathod that received best Ph.D. thesis award (2013-14) in 11th International Symposium on Surface Protective Coatings 2014. (awarded on April-2013, Thesis Title: Synthesis, Characterization and Anticorrosion Performance of Soluble Conducting Polyaniline and its Composites)

Dr. Anupama Kumar

Invited to give a presentation in the INDO-U.K Seminar organised by NEERI, Nagpur during 5-7, February, 2014

Reviewed papers from Springer and Taylor and Francis.

Chairperson of the Recruitment committee at CSIR-Central Institute of Mining & Fuel research, Nagpur on 4th July, 2013 for recruitment of Project assistant under Coal India's sponsored project.

Subject expert At NIT Uttarakhand for one of the Interviews.

Chairperson for the 9th edition of the Hindi Magazine of the institute "Rajbhasha Purna"

Dr. J.D. Ekhe

Worked as a reviewer for 4 Research papers published by Elsevier.

Expert lectures delivered: on Gas Chromatography

Expert lecture delivered at Khamgaon on Gas Chromatography; to M.Sc. Students.

Expert lecture delivered at Nagpur University Campus on Gas Chromatography; to UGC SPONSORED-STTP to participating staff members;

Dr. Umesh Pratap

Received research funding from DST-SERB (32.71 Lakhs) for four years.

Civil Engineering Department

Dr. Rajesh Gupta

Received Visiting International Fellowship from EWRI to attend World Environmental and Water Resources Congress at Cincinnati, OH, USA.

Dr. R.V.Ralegaonkar

Nominated for Merit Award, CIOB International Innovation & Research Award 2013 (Innovation Achiever's Award).

8th state level Energy Conservation Award (category- individual), Maharashtra Energy Development Agency, Pune, 2013.

Dr. AR Tembhurkar

Technical Expert in Research and Recognition Committee, North Maharashtra University, Jalgaon

Dr. Y B Katpatal

Best paper Prize for paper at National Symposium ISRS Dec.2013 Vishakhapatnam

Computer Science & Engineering Department

Saurabh Sarda, Student of Computer Science & Engineering of 2012 batch scored 3rd Rank among 1,55,950 student in All India GATE 2014 exam.

CSE Deptt received the IBM Shared University Research grant of Rs 9.00 Lakh for the academic year 2013-14.

2 teams of students (comprising 6 students, 1 team each of M.tech and B.tech.) are selected in the final round of national level Hackathon competition organized by IBM. 2 of the 5 final teams of the competition are from VNIT. The finals will be held at IBM Pune on 22-23rd May, 2014.

8 teams (comprising around 24 students) from CSE deptt were selected in the 1st level national online ACM-ICPC competition and represented VNIT in the 2nd level on-site competition, which took place at places like Bangalore, IIT-Kanpur, IIT-Kharagpur.

Programming club started in the department. Short and Long online programming competitions were held throughout the academic year 2013-14.

Electrical Engineering Department

Prof. M.V. Aware

Visiting Professor, Qatar University & Texas A & M, Qatar Campus, Doha, Qatar, Dec 13-Jan 2014,

Invited Lecture at University of Pretoria, " T & D losses and P-Q improvement in Distribution Networks", University of Pretoria, South Africa, 28 Feb 2013

Chair the Technical session IEEE ICIT 2013 Conference, 24 Feb 2013

Student Project Award-3rd prize in category of New Innovation. "Grid Interfaced multi-input DC-Dc converter" at GRIDTECH 2013, June 2013,

INEA Students Project Award, "Unified Multi-input DC-DC Converter for Hybrid Distributed Generating Systems", Dec 2013,

Bharatratna Sir Vishwesaraya National Award, for Excellence in Engineering Educations by MFTRA, 8 Sept 2013,

Prof. H.M.Suryawanshi

Associate Editor of IEEE Transaction on Industrial Electronics

Prof. A.S.Junghare

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

Prof. P.S.Kulkarni

ISTE L&T National Award for Best M.Tech. Thesis Award in Electrical & Electronics Engineering

DhanavathShankar , bagged first prize thesis titled : Soft Switching DC-DC Converter with MPPT for Solar Home Lighting System Guided by Dr. P.S. Kulkarni

Electronics & Communication Engineering

TI National Design Contest, Bangalore 5th prize to students of the Electronics Engg. Department in April 2014.

Mathematics Department

Guest Lecture by Prof. T.K.V. Iyengar on "Optimism, Success & Happiness" on 8/5/2013.

Guest Lecture by Prof. M.K. Kadalbajoo on "Some Fundamental Principles of Numerical Computation, on 2-9-2013.

Arranged 'Mathematical Contributions of Faculty', on National Mathematics Day 22-12-2013.

Guest lecture by Prof. S.L. Singh, Retired Professor of Mathematics, Gurukula Kangri University, Haridwar. on "Some land mark contributions from Pingala's Prosody" on 22-2-2014.

Dr. G.P. Singh

Chaired invited talks session in National Conference on Statistics, Mathematics and Applications at Institute of Science, Nagpur during January 2-3, 2014.

Delivered invited talk on Current trends in cosmology: Quest and Observational Constraints in 17th Annual Conference of Vijnana Parishad of India at Govt. Digvijay PG College, Rajnandgaon.

Delivered Invited Talks in the STTP on Recent Advances in Mathematics and Its Applications to Science and Engineering (RAMASE-2013) in May 2013 at Department of Mathematics, VNIT Nagpur.

Given an expert lecture on 'Cosmological models" in the STTP on "Advances in Computational Methods in Science and Engineering" organized by the Department of Mathematics, VNIT Nagpur during 09-13, December 2013.

Dr. P. Pramod Chakravarthy

Delivered Invited Talks in the STTP on Recent Advances in Mathematics and its Applications to Science and Engineering (RAMASE-2013) in May 2013 at Department of Mathematics, VNIT Nagpur.

Given an expert lecture on "Interpolation & Approximation" on 20/08/2013 in a short term training programming on "Numerical Methods and its Application in Science and Engineering (NMASE) , conducted by Department of Mathematics, National Institute of Technology, Jemshedpur during 19-23, August, 2013.

Given an expert lecture on "Asymptotic Analysis and Initial value techniques for singular perturbation problems" on 20/08/2013 in a short term training programming on "Numerical Methods and its Application in Science and Engineering (NMASE) , conducted by Department of Mathematics, National Institute of Technology, Jemshedpur during 19-23, August, 2013.

Given an expert lecture on "Method of Matched Asymptotic Expansions and fitted methods for singular perturbation problems" on 2/12/2013 in a short term training programming on "Mathematical Modelling in Engineering , conducted by Department of Mathematics, National Institute of Technology, Warangal during 02-06, December, 2013.

Given an expert lectures in the STTP on "Advances in Computational Methods in Science and Engineering" organized by the Department of Mathematics, VNIT Nagpur during 09-13, December 2013.

Given an expert lecture on "Perturbation methods" on 26/3/2014 in a short term training programming on "Computational flow and Transport: Modelling , Simulation and Algorithms", conducted by Department of Mathematics and Humanities, Sardar Vallabhbhai National Institute of Technology, Surat during 24-28, March, 2014.

Given an expert lecture on "Numerical treatment of Singular perturbation Problems" on 26/3/2014 in a short term training programming on "Computational flow and Transport: Modelling , Simulation and Algorithms", conducted by

Department of Mathematics and Humanities, Sardar Vallabhbhai National Institute of Technology, Surat during 24-28, March, 2014.

Chief Guest for valedictory function of a short term training programming on "Computational flow and Transport: Modelling , Simulation and Algorithms", conducted by Department of Mathematics and Humanities, Sardar Vallabhbhai National Institute of Technology, Surat conducted on 28th March, 2014.

Reviewer for Journal of Computational and Applied Mathematics, International Journal of Numerical methods in fluids, Journal of Applied Mathematics and Informatics, Non linear Analysis: Modelling & Control.

Took over as HOD, Mathematics Department from 12-4-2013

Vice-Chairmen, M.Sc. admissions, 2013-14

Dr. M. Devakar

Delivered Invited Talks in the STTP on Recent Advances in Mathematics and its Applications to Science and Engineering (RAMASE-2013) in May 2013 at Department of Mathematics, VNIT Nagpur.

Delivered an Invited Talk in the STTP on Advances in Computational Methods in Science and Engineering (ACMSE 2013) in December 2013 at Department of Mathematics, VNIT Nagpur.

Arranged Popular Talk entitled "Optimism, Success and Happiness" by distinguished professor (Retd.) of NIT Warangal, Prof.T.K.V.Iyengar on 8-05-2013.

Reviewer, Indian Journal of Pure and Applied Mathematics (Springer).

Faculty In Charge, UGADI (GUDI PADWA) Puja 2014.

Dr. Pallavi Mahale

Delivered Invited Talks in the STTP on Recent Advances in Mathematics and its Applications to Science and Engineering (RAMASE-2013) in May 2013 at Department of Mathematics, VNIT Nagpur.

Delivered an Invited Talk in the STTP on Advances in Computational Methods in

Science and Engineering (ACMSE 2013) in December 2013 at Department of Mathematics, VNIT Nagpur.

Dr. G. Naga Raju

Invited to deliver guest lectures at NIT Raipur for an STTP on "A Glimpse of Differential Equations in Science and Engineering" during March 10-14, 2014.

Dr. R.P. Pant

Delivered invited talk on 'Fixed point theory in Ultrametric spaces' in 17th Annual Conference of Vijnana Parishad of India at Govt. Digvijay PG College, Rajnandgaon.

Mechanical Engineering Department

1. Dr. Arun K. Singh- Development of two experimental set up in Department of Mechanical Engineering, VNIT Nagpur.
2. Dr. S. B. Thombre- Development of Fuel cell laboratory (MEP 516 Fuel Cell Laboratory)
3. Prof. K. M. Ashtankar- Ph. D. submitted.
4. Dr. (Mrs.) Rashmi Uddanwadiker was nominated and felicitated as an Inspiring Women Engineer/Scientists for the year 2014.
5. Dr. V. R. Kalamkar

Delivered a lecture on "CFD" at FDP at CSIT, Durg, during 26-27 December, 2013

Worked as an Observer for CMAT 2014-15 during 29-30 September, 2013.

RPC member, NMIMS University, Mumbai.

Member, Board of Studies, University of Mumbai.

Member, Faculty of Technology, University of Mumbai.

Reviewer for International Journal "Renewable and Sustainable Energy Reviews"

Metallurgical & Materials Engineering Department

Dr. J. G. Bhatt

Ph.D Student Mr. Vincent S Kumar received Binanai Gold Medal for Paper titled "Prediction of bulk metallic glass formation in Cu-Zr-Ag-Hf system by thermodynamic and topological modeling,

M.Tech Student Mr. Satish Idury received best paper presentation award in International conference on Emerging Materials and Processes held at IMMT Bhubneswar on paper titled "Designing the composition with high Glass Forming Ability in Cu-Ti-Zr-Pd system by Thermodynamic Modeling".

Two of my Ph.D students, Mr. Sandeep Fale and Vincent S Kumar presented their research work abroad.

Dr. R. C. Rathod

5th Kansai Nerolac Award for Best PhD Thesis 2013-14 during International Symposium on Surface Protective Coatings, SSPC India 2014 at Ahmadabad.

Dr. A. A. Likhite

A research paper based on the work done by the UG students and authored by them, published in Indian Foundry Journal

Dr. R. V. Taiwade

Won the TMS Best Paper Contest-Undergraduate Division-First place. Harshal Agrawal and R.V.Taiwade, "Evaluation of Sensitization and Self-healing Behaviour of AISI 304 Stainless Steel using Electrochemical Techniques", This award was presented at the TMS 2014 Annual Meeting and Exhibition in San Diego, California.

Mr. Y.Y. Mahajan

Completed ASNT UT level II certification

Mining Engineering Department

S.B.Shringarputale: During the year 2013-14 total core testing carried out was a record of Rs. 27.75 lakhs, in the Rock Mechanics Lab.

I.L.Muthreja: One of the Nominee Member for the prestigious Infosys Awards 2013

I.L.Muthreja: Member of National Advisory Committee of National Conference on "Advances in Explosive and Propellants, March 2014", VNIT, Nagpur

Dr.R.R. Yerpude

Nominated as expert member in Board of Studies & Faculty, Mining Engg. of RTM Nagpur University and Gondwana University, Chandrapur

Architecture & Planning Department

Department of Architecture and Planning got first prize in participation in Hindi Rajbhasha Prachar-Prasar

R.S. Kotharkar: Master Trainer : Energy Conservation Building Code (ECBC)

V.S. Adane, A.R. Dongre, V.S. Kapse, A.M. Deshmukh, K.N. Joglekar: Experts for COA, New Delhi Inspection

A.P. Patil: Appointed as Examiner-cum Observer for Stage-I, B.arch. Examination Conducted by CoA, New Delhi at Malviya National Institute of Technology, Jaipur, on 15-16 February, 2014

Sameer Deshkar: Expert Lecture on Resettlement and Rehabilitation at Aurangabad, on 5-6 April 2014

Students Achievement:

S N	Name & roll no. of Student	Competition Name	Place	Position
1	Varad Lahoti	Archument 13-14 (National)	Bangalore	2nd
2	Varad Lahoti	Archument 13-4 (Western)	Pune	1st
3	Aparna Ramesh	Archument 13 - 14 (National)	Bangalore	2nd
4	Aparna Ramesh	Archument 13 - 14 (Western)	Pune	1st
5	Aparna Ramesh	Annual Berkeley Prize Essay Competition 2014	U.S.A.	3rd
6	Vrinda Tapadia	Designer desk, Archi Venture 2014	SMMCA, Nagpur	2nd
7	Vrinda Tapadia	Think & Write & Win, Archi Venture 2014	SMMCA, Nagpur	3rd
8	Sharadha Bangadia	Designer desk, Archi Venture 2014	SMMCA, Nagpur	3rd
9	Vrinda Tapadia	Rock Ur Brain, Archi Venture 2014	SMMCA, Nagpur	3rd
10	Anurag Tripathi	Rock Ur Brain, Archi Venture 2014	SMMCA, Nagpur	3rd
11	Raut Siddhesh	Rock Ur Brain, Archi Venture 2014	SMMCA, Nagpur	1st

S N	Name & roll no. of Student	Competition Name	Place	Position
12	Arindam Das	Rock Ur Brain, Archi Venture 2014	SMMCA, Nagpur	1st
13	Sandeep Lal and Ninad Bhagwat	S.A. Deshpande Trophy	Nagpur	Shortlisted for final jury
14	Malavika R., Ankur Yadav, Prashant Chitanoor, Arpan Paul, Nikhil Pawar	NOSPLAN 2013 Paper presentation ("Disaster Resilient Cities")	IDS, Mysore	1st
15	Suzan Jacob	NOSPLAN 2013 Paper presentation ("Disaster Resilient Cities")	IDS, Mysore	2nd
16	Tejaswini D.	Table Tennis	NIT, Suratkal	3rd
17	Akansa Chandak	Badminton	NIT, Trichi	Semifinal
18	Rishab Shrivastava	Chess	NIT, Trichi	2nd
19	Anurag Rath	Lantern Making Competition	Nagpur	3rd and Consolation
20	Vrinda Tapadia	Quiz, Lantern, Creative Lighting	Nagpur	3rd and Consolation
21	Shraddha Bhangadia	Quiz, Lantern, Creative Lighting	Nagpur	2nd
22	Mohit Yadav, Renuka Paratkar	Mime Competition	BITS, Hyderabad	1st
23	Ayush Shitoley	Street Play	IIIT, Hyderabad	1st

S N	Name & roll no. of Student	Competition Name	Place	Position
24	Ayush Shitoley, Jitendra Farkade	ETHOS Quiz	Pune	1st
25	Ayush Shitoley	MOOD Indigo	Mumbai	3rd
26	Jitendra Farkade	MIMME	BITS, Hyderabad	1st
27	M.M. Surawar	"Impact of Land Use/ Land Cover Pattern on Urban Heat Island in Nagpur City Using Remote Sensing" 16-19 December 2013	6TH AGS International Conference, India Geospatial Momentum for Society and Environment, CEPT University, Ahmadabad,	One of the best paper in specified technical session

11 ANNEXURES

11.1 to 11.3 Same as 6.1 to 6.5

11.4 Research Projects & Consultation

Please refer 5.4 and 5.5

11.5(a) Faculty Position

SN	Name	Designation	Educational Qualification
Department of Applied Mechanics			
1	Dr. R. K. Ingle	Professor	Ph.D.
2	Dr. L. M. Gupta	Professor	Ph.D.
3	Dr. G. N. Ronghe	Professor	Ph.D.
4	Dr. M. M. Mahajan	Professor	Ph.D.
5	Dr. O.R. Jaiswal	Professor	Ph.D.
6	Shri. R. S. Sonparote	Associate Professor	M.Tech.
7	Dr. Sachin Bakare	Associate Professor	Ph.D.
8	Dr. Sangeeta Gadve	Associate Professor	Ph.D.
9	Dr. Ratnesh Kumar	Assistant Professor	Ph.D.
10	Shri S.B. Borghate	Assistant Professor	M.Tech.
11	Shri A.Y. Vyavahare	Assistant Professor	M.Tech.
12	Shri A.P.Khatri	Assistant Professor	M.Tech
13	Dr. Debarati Datta	Assistant Professor	Ph.D.

SN	Name	Designation	Educational Qualification
Department of Architecture & Planning			
1	Dr. V. S. Adane	Professor	Ph.D.
2	Dr. Smt. Alpana Dongre	Professor	Ph.D
3	Shri. V. S. Kapse	Associate Professor	M.Tech. (Urban Plng.)
4	Shri. V. K. Bakde	Associate Professor	B.Arch., AIIA
5	Mrs. Chandra Sabnani	Associate Professor	M.Arch.
6	Dr.(Mrs.) R. Kotharkar	Associate Professor	Ph.D
7	Shri Akshay P. Patil	Associate Professor	B.Arch, PG Diploma
8	Dr. Mrs. Smita Khan	Assistant Professor	Ph.D.
9	Shri. A. M. Deshmukh	Assistant Professor	M.Tech.
10	Shri. K. N. Joglekar	Assistant Professor	M.Tech.
11	Shri S.M. Deshkar	Assistant Professor	M.Plan
12	Mrs. V.V. Ghuge	Assistant Professor	M.Tech.
13	Shri Amit M Deshmukh	Assistant Professor	M.Tech.
14	Shri Amit Wahurwagh	Assistant Professor	M.Arch.,
15	Smt. Sarika P. Bahadure	Assistant Professor	M.Tech
16	Shri Pankaj Bahadure	Assistant Professor (Contract)	Master of Urban Plng.
Department of Civil Engineering			
1	Dr. P. D. Porey	Professor	Ph.D.
2	Dr. V.A. Mhaisalkar	Professor	Ph.D.
3	Dr. Rajesh Gupta	Professor	Ph.D.

SN	Name	Designation	Educational Qualification
4	Dr. Y. B. Katpatal	Professor	Ph.D.
5	Shri. D. J. Katyayan	Associate Professor	M.Tech.
6	Dr. A.R. Tembhurkar	Associate Professor	Ph.D.
7	Dr. A.D.Ghare	Associate Professor	Ph.D.
8	Dr. R.V.Ralegaonkar	Associate Professor	Ph.D
9	Dr. (Mrs.) M. V. Latkar	Associate Professor	Ph.D.
10	Dr. V. S. Landge	Associate Professor	Ph.D.
11	Dr. Anirban Mandal	Associate Professor	Ph.D.
12	Dr. A.D. Vasudeo	Assistant Professor	Ph.D
13	Dr. D.H. Lataye	Assistant Professor	Ph.D.
14	Shri S.P. Wanjari	Assistant Professor	M.Tech.
15	Dr. Ms. Shilpa R. Dongre	Assistant Professor	Ph.D.
16	Shri Abhay G.Tawalare	Assistant Professor	M.Tech
17	Dr. Anjan Patel	Assistant Professor	Ph.D.
Department of Electrical Engineering			
1	Dr. M. K. Khedkar	Professor.	Ph.D.
2	Dr. H. M. Suryavanshi	Professor.	Ph.D.
3	Dr. M. V. Aware	Professor	Ph.D.
4	Dr. S. R. Bhide	Associate Professor	Ph.D.
5	Dr. B. S. Umre	Associate Professor	Ph.D.
6	Dr. V. B. Borghate	Associate Professor	Ph.D.
7	Dr. Madhuri Chaudhari	Associate Professor	Ph.D.

SN	Name	Designation	Educational Qualification
8	Dr. P. S. Kulkarni	Associate Professor	Ph.D.
9	Dr. V. S. Kale	Associate Professor	Ph.D
10	Dr. Makrand S. Ballal	Associate Professor	Ph.D
11	Dr. M. R. Ramteke	Associate Professor	Ph.D.
12	Shri. S. R. Tambey	Assistant Professor	M.Tech.
13	Dr. S. S. Bhat	Associate Professor	Ph.D
14	Dr.(Mrs.) A. S. Junghare	Associate Professor	Ph.D.
15	Shri Ashwin Dhabale	Assistant Professor	M.Tech.
16	Dr. Nita R. Patne	Assistant Professor	Ph.D
17	Smt. Rajashri J.Satputalay	Assistant Professor	M.E.
18	Dr. Swapnajit Pattnaik	Associate Professor on deputation from NIT, Raipur	Ph.D
Department of Computer Science & Engineering			
1	Dr. O.G. Kakde	Professor	Ph.D.
2	Dr. S. R. Sathe	Professor	Ph.D.
3	Dr. P. S. Deshpande	Associate Professor	Ph.D.
4	Dr. U.A. Deshpande	Associate Professor	Ph.D.
5	Shri R.B.Keskar	Associate Professor	M.Tech
6	Shri M. Kurhekar	Associate Professor (Contract)	M.Tech.
7	Shri A.S. Mokhade	Assistant Professor	M.Tech.
8	Mrs. Meera Dhabu	Assistant Professor	M.Tech.

SN	Name	Designation	Educational Qualification
9	Shri Ashish Tiwari	Assistant Professor	M.Tech.
10	Dr. Mrs. Dipti Shrimankar	Assistant Professor	Ph.D.
11	Mrs. Shital Raut	Assistant Professor	M.E.
12	Ms. Mansi Radke	Assistant Professor on Contract	M.S.
Department of Electronics Engineering			
1	Dr. A. G. Keskar	Professor	Ph.D.
2	Dr. K. D. Kulat	Professor	Ph.D.
3	Dr.R.M.Patrikar	Professor	Ph.D
4	Dr. R. B. Deshmukh	Professor	Ph.D.
5	Dr. A. S. Gandhi	Professor	Ph.D.
6	Dr.K.M.Bhurchandi	Associate Professor	Ph.D.
7	Dr. S.B. Dhok	Associate Professor	Ph.D
8	Dr. Ashwin G. Kothari	Associate Professor	Ph.D
9	Shri Vishal R. Satpute	Assistant Professor	M.Tech.
10	Mrs. Pradnya H. Ghare	Assistant Professor	M.Tech.
11	Shri K. Surender	Assistant Professor	M.Tech
12	Shri Joydeep Sengupta	Assistant Professor	M.Tech
13	Shri Vinay Kumar	Astt. Professor(Contract)	M.Tech
Department of Mechanical Engineering			
1	Dr. P. M. Padole	Professor Ph.D.	
2	Dr. N. V. Deshpande	Professor Ph.D.	

SN	Name	Designation	Educational Qualification
3	Dr. H.T. Thorat	Professor	Ph.D.
4	Dr. I. K. Chopde	Professor	Ph.D.
5	Dr. A. Chatterjee	Professor	Ph.D.
6	Dr. S. B. Thombre	Professor	Ph.D.
7	Dr. A. M. Kuthe	Professor	Ph.D.
8	Dr. S. V. Bopshetty	Associate Professor	Ph.D.
9	Dr. D. B. Zodpe	Associate Professor	Ph.D.
10	Dr. Y.M. Puri	Associate Professor	Ph.D.
11	Dr J.G. Suryawanshi	Associate Professor	Ph.D.
12	Dr. Atul Andhare	Associate Professor	Ph.D.
13	Dr. V.R. Kalamkar	Associate Professor	Ph.D
14	Dr. A.S. Dhoble	Assistant Professor	Ph.D.
15	Dr. Ms. R.V. Uddanwadikar	Assistant Professor	Ph.D
16	Shri V.M. Nistane	Assistant Professor	M.Tech.
17	Shri A.A. Thakre	Assistant Professor	M.Tech.
18	Shri M.S. Kotambkar	Assistant Professor	M.Tech.
19	Shri K.M.Ashtankar	Assistant Professor	M.Tech
20	Shri Dhananjay Jolhe	Assistant Professor	M.Tech
21	Dr. Hemant Jawale	Assistant Professor	Ph.D
22	Shri Pravin Sawarkar	Assistant Professor	M.Tech
23	Shri P.V.Kane	Assistant Professor	M.Tech
24	Shri Nitin Kumar Lautre	Assistant Professor	M.Tech

SN	Name	Designation	Educational Qualification
25	Dr. Chiddarwar Shital Sudhakar	Assistant Professor	Ph.D.
26	Dr. Arunkumar Singh	Assistant Professor	Ph.D.
Department of Metallurgical Engineering			
1	Dr. R. K. Paretkar	Professor	B.E., M.E., Ph.D.
2	Dr. D. R. Peshwe	Professor	B.E., M.Tech., Ph.D.
3	Dr. A. P. Patil	Professor	B.E., M.Tech., Ph.D.
4	Dr. S. G. Sapate	Professor	B.E., M.Tech., Ph.D.
5	Dr. V. K. Didolkar	Associate Professor	B.Sc., B.E., M.E., Ph.D.
6	Dr. S. N. Paul	Associate Professor	B.E., M.Tech., Ph.D.
7	Dr. A. A. Likhite	Associate Professor	Ph.D
8	Dr. Jatin Bhat	Associate Professor	Ph.D
9	Shri. D. V. Moghe	Associate Professor	B.E., M. Tech.
10	Dr. R. C. Rathod	Assistant Professor	B.E. M.Tech., Ph.D
11	Dr. R. K. Khatirkar	Assistant Professor	M. Tech. Ph.D
12	Shri Y. Y. Mahajan	Assistant Professor	B.E. M. Tech.
13	Dr. Atul R. Ballal	Assistant Professor	M. Tech.. Ph.D
14	Dr. R. V. Taiwade	Assistant Professor	M. Tech, Ph.D.
15	Mrs. Manjusha Thawre	Assistant Professor	M. Tech
Deptment of Mining Engineering			
1	Shri S. B. Shringarputale	Professor	M.Sc.
2	Shri. I. L. Muthreja	Associate Professor	M. Tech.

SN	Name	Designation	Educational Qualification
3	Dr. N. R. Thote	Associate Professor	Ph.D.
4	Dr. R. R. Yerpude	Associate Professor	Ph.D.
5	Dr., S. S. Gupte	Associate Professor	Ph.D.
6	Shri Sandeep Panchal	Assistant Professor	M.Tech

Department of Chemical Engineering

1	Dr.K.L.Wasewar	Associate Professor	Ph.D
2	Dr.Sachin Mandavgane	Associate Professor	Ph.D
3	Dr.Ashish S.Chaurasia	Associate Professor	Ph.D
4	Dr. Diwakar Shende	Assistant Professor	M.Tech
5	Shri Ajit P.Rathod	Assistant Professor	M.Tech
6	Shri S.M.Kodape	Assistant Professor	M.Tech
7	Dr. S.S.Sonwane	Assistant Professor	Ph.D
8	Ms. Sonali Hiwarkar	Assistant Professor	M.Tech
9	Dr. Mahesh Verma	Assistant Professor	Ph.D
10	Dr. Vijaykumar R.P.	Assistant Professor	Ph.D

Department of Mathematics

1	Dr. G. P. Singh	Professor Ph.D.	
2	Dr. P.P. Chakravarthy	Associate Professor	Ph.D.
3	Dr.Masabathula D.	Assistant Professor	Ph.D.
4	Dr. Ms. Pallavi Mahale	Assistant Professor	Ph.D.
5	Dr.Naga Raju Gande	Assistant Professor	Ph.D.
6	Dr.Rajendra Prasad Pant	Assistant Professor	Ph.D.

SN	Name	Designation	Educational Qualification
7	Dr. Pradip Raul	Assistant Professor	Ph.D.
Department of Humanities			
1	Dr. (Ms.) M. Ghosal	Associate Professor	Ph.D.
2	Dr. Y.M. Deshpande	Associate Professor	Ph.D.
3	Dr. G.N. Nimbarte	Assistant Professor	Ph.D.
Department of Physics			
1	Dr. V. K. Deshpande	Professor Ph.D.	
2	Dr. R.S. Gedam	Associate Professor	Ph.D.
3	Dr. Sankapal B. Raghunath	Associate Professor	Ph.D.
4	Dr. Gali Hemachandra	Associate Professor	Ph.D.
5	Dr. (Mrs.) Sujata Patrikar	Assistant Professor	Ph.D.
6	Dr. (Mrs.) Anuradha Deshpande	Assistant Professor	Ph.D.
7	Dr. Sushama Giripunje	Assistant Professor	Ph.D.
8	Dr. K. Mohan Kant	Assistant Professor	Ph.D.
Department of Chemistry			
1	Dr. S.S. Umare	Professor.	Ph.D.
2	Dr. J.D. Ekhe	Associate Professor	Ph.D.
3	Dr. (Mrs.) Anupama Kumar	Associate Professor	Ph.D.
4	Dr. Sujit Kumar Ghosh	Associate Professor	Ph.D.
5	Dr. Chayan Das	Assistant Professor	Ph.D.
6	Dr. (Mrs.) R.K. Kawadkar	Assistant Professor	Ph.D.

SN	Name	Designation	Educational Qualification
7	Shri A.V.Wankhade	Assistant Professor	M.Tech
8	Dr. Umesh Rohidas Pratap	Assistant Professor on Contract	Ph.D.
9	Dr. Sangesh Zodape	Assistant Professor	Ph.D.
Physical Education			
1	Dr. Simon Robin	Lecturer	Ph.D
2	Shri P.S. Nagrale	Lecturer	M.P.Ed.

11.5(b) Faculty with administrative responsibility

S N	Name	Designation
1	Dr.Narendra Chaudhary	Director
2	Dr. S.R. Sathe, Professor in Comp.Sc. & Engg. Dept.	Dean (P & D)
3	Dr.R.K.Ingle, Professor in Applied Mechanics	Dean(Faculty Welfare)
4	Dr. H.M.Suryawanshi, Professor in Electrical Dept.	Dean (R & C)
5	Dr.O.R.Jaiswal, Professor in App.Mech. Dept..	Dean (Acad.)
6	Dr. G.P.Singh, Professor in Mathematics Dept.	Dean (Students Welfare)
7	Dr. A.B. Andhare Professor in Mechanical Engg. Dept.	Professor (T & P)
8	Dr. D.H.Lataye Associate Professor in Civil Engg. Dept.	Chief Warden

11.5(c) Heads of the Academic Departments

Department	Head
Applied Mechanics	Dr. S. V. Bakre
Architecture & Planning	Dr. Rajshri Kotharkar
Chemical Engineering	Dr. K. L. Wasewar
Civil Engineering	Dr. A. R. Tembhurkar
Computer Science Engineering	Dr. P. S. Deshpande
Electrical Engineering	Dr. M. V. Aware
Electronics Engineering	Dr. R. B. Deshmukh
Mechanical Engineering	Dr. S. B. Thombre
Metallurgical & Materials Engineering	Dr. R. K. Paretkar
Mining Engineering	Prof. S. Shringarputale
Physics	Dr. V. K. Deshpande
Chemistry	Dr. S. S. Umare
Mathematics	Dr. P. P. Chakravarthy
Humanities	Dr. Yogesh Deshpande

11.6 Administrative / Technical Officers

S N	Name	Designation
1	Dr. Narendra S. Chaudhari	Director
2	Dr. B. M. Ganveer (upto 30 th Nov 2013) Dr.R.R. Yerpude (from 1 st Dec 2013)	Registrar
3	Mr. D.M. Parate	Dy. Registrar
4	Shri A.P.Virodkar (on deputation)	Dy. Registrar
5	Mrs. A.A. Ansingkar	Asst. Registrar
6	Mr. A.G. Bhurle	Asst. Registrar
7	Mr. N.B. Chingalwar	Asst. Registrar
8	Mr. K.G. Barapatre	Engineer
9	Dr. S.J. Batra	Medical Officer
10	Dr. R.M. Deshpande	Asst. Librarian
11	Vacant	Librarian
12	Vacant	Principal Technical Officer
13	Mr. D.H. Maiske	System Manager
14	Mr. V.J. Abhyankar	System Analyst
15	Mrs. M.R. Pimple	Programmer
16	Ms. M.B. Bhivgade	Technical Officer

11.7 Seminars / Summer Schools / Short Term Courses / Workshops

I. Organised by the Institute

Name of the Coordinator	Title	Duration
Applied Mechanics Department		
Dr R.K. Ingle and Dr. P N Godbole	Advanced Course on Finite Element Method	01-05 Oct., 2013
Dr Ratnesh Kumar and Dr R.K. Ingle	Seismic Analysis and Design of RC Buildings	One week
Dr. Ratnesh Kumar and Dr S.V. Bakre	Practical Aspects of Structural Design	One Day
Prof. Ashish Khatri	ISTE Workshop on Engineering Mechanics ICT, MHRD , IIT Bombay	26 Nov.-06 Dec. 2013
Chemical Engineering Department		
Dr. K. L. Wasewar Dr. M. N. Varma D r. D. Z. Shende	National Conference on "Advances in Explosives and Propellants"	22nd March, 2014
Dr. K. L. Wasewar Dr. M. N. Varma Dr. D. Z. Shende	Workshop on Analytical Application of Spectroscopy and Chromatography	16-20 Dec. 2013 (5 days)
Dr. K. L. Wasewar Dr. M. N. Varma	Workshop on Advances in Separation Processes'	3rd-7th June 2013 (5 days)

Name of the Coordinator	Title	Duration
Dr. K. L. Wasewar Dr. D. Z. Shende	Workshop on Academic and Research Up-gradation in Chemical Engineering	2nd June 2013
Dr Sachin A Mandavgane Dr. A. S. Chaurasia	Adsorptive Separation	Two days
Dr Sachin A Mandavgane	Curiosity Driven	One Day Three editions
Dr. K. L. Wasewar Dr. Vijayakumar R. P	Chemix-14, National conference on interdisciplinary blend of chemical Engineering Chemix-14	Mar 23-24, 2014
Dr. K. L. Wasewar Dr. D. Z. Shende	Interactive Workshop on 'Opportunities in Aluminium Industries for Chemical Engineers: Status and Scope'	11th March 2014
Dr. K. L. Wasewar	Interactive Workshop on 'Career Planning in Chemical Engineering'	30th January 2014
Dr. K. L. Wasewar Dr. M. N. Varma	Workshop on 'Reaction Engineering and Research Methodology'	25th January 2014
Dr. K. L. Wasewar Prof. A. P. Rathod	Workshop on 'Heat Exchanger Design and Application in Process Industry	16th January 2014

Name of the Coordinator	Title	Duration
Dr. K. L. Wasewar Dr. D. Z. Shende	Workshop on 'Sustainable Energy Alternatives'	11th January 2014
Dr. K. L. Wasewar Dr. M. N. Varma	Workshop on 'Molecular dynamic simulation'	2nd January 2014
Chemistry Department		
Dr. Anupama Kumar & Dr. Anjali Junghare	"The sexual harassment of women at workplace (Prevention, prohibition & redressal) Act, 2013".	Half day workshop on 4th December, 2013. Awareness programme for Women employees
Dr. Anupama Kumar, Dr. Anjali Junghare & Dr. Neeta Patne	Women's Day celebration	Half day programme on 20th March, 2014. A talk on "Food safety and You" was given by Mrs. Asmita Thaokar.

Name of the Coordinator	Title	Duration
Civil Engineering Department		
Dr. V. A. Mhaisalkar	"Water Treatment Plant Design" sponsored by CPHEEO, Ministry of Urban Development, Govt. of India Sponsored, New Delhi	Jan. 3 to Jan. 9, 2014
Dr. R. V. Ralegaonkar Convenor	All India Seminar on Innovations in Green Building Technology	17th & 18th January, 2014
Dr. R. V. Ralegaonkar Convenor	Short Term Training Program on 'Green Building Design Concepts & Application' (sponsored by PWD, Nagpur)	15th- 16th November 2013
Y B Katpatal, Organising Committee Member	Nat. Seminar on Groundwater and Lakes: Recent Advancements and Environment Aspects, Nagpur.	20th - 21st February 2014
Y B Katpatal Advisory Patron Committee Member	Int. Conf on Disaster Management, in collaboration with Northern Illinois University USA and SEGI University, Malaysia at YCCE Nagpur	14 March 2014
Y.B. Katpatal National Advisory Committee Member	3rd International Conference on Quality Up-gradation in Engineering Science and Technology' IC Quest 2014' BDCOE, Sewagram, Wardha	19 April, 2014

Name of the Coordinator	Title	Duration
Computer Science & Engineering Department		
Dr. U. A. Deshpande	Technical Talk on "Infrastructure for Cloud Computing" by Ankur Panchbudhe	25 March 2013
Dr. P.S. Deshpande	Technical Talk on "Hadoop- An overview" by Dr. Milind Bhandarkar	3 August 2013
Dr. U. A. Deshpande	Technical Talk on "Model Driven Development" by Mr. Vinay Kulkarni	23 September 2013
Dr. U. A. Deshpande	Technical Talk on "Irregular Algorithms on GPUs" by Dr. Rupesh Nasre	14 October 2013
Mrs. M.M. Dhabu	Technical Talk on "Future of Internet" by Dr. R. Venkateswaran	24 October 2013
Mr. M P KURHEKAR	Technical Talk on " Research Methodology" by Dr. Manas Pathak	8 January 2014
Mrs. M.M. Dhabu	Technical Talk on "Information Technology Revolution" by Dr. V. Kamakoti	6 March 2014

Name of the Coordinator	Title	Duration
Electrical Engineering Department		
H. M. Suryawanshi, M. S. Ballal, M. A. Chaudhari	Short term course on Power Electronics in Power System under TEQIP-II	6-7 Feb.2014.
M. R. Ramteke, H. M. Suryawanshi	Short term course on Free and open source software (FOSS)	05-07 Oct.-2012
H. M. Suryawanshi, B. S. Umre	Short term course on Multidisciplinary Training Program on operational skill for supporting staff	08-10 January, 2013
H. M. Suryawanshi	Short term course on Opal RT	20 July 2012
M. A. Chaudhari, H. M. Suryawanshi	Short term course on C2000 Microcontroller (DSP): Real time MCU's	17-18 Jan.2014.
Dr. S.S. Bhat	Virtual Instrumentation, LabVIEW	2 days, EED, VNIT, Nagpur
M. V. Aware & Mrs. A.S. Junghare	FO systems and their application in Engineering	4-7 April 2013, EED, VNIT,Nagpur
M. V. Aware & Prof. Mrs. N.S. Patne	PQ issues and their mitigation	Jan 9-11,2014 EED VNIT, Nagpur TEQIP
M. V. Aware & Prof. M.S. Ballal	Transformer condition monitoring	March 2014 EED, VNIT,Nagpur

Name of the Coordinator	Title	Duration
AshwinDhabale & B.S. Umre	Two Week ISTE Workshop on Signals and Systems Under NMEICT	10 days
Prof.M.V.Aware Prof.A.S. Junghare	"Fractional Order Calculus and its applications in Engineering"	4th 5th April 2013.
Dr.Batra Prof.AnjaliJunghare	'Facing the challenges in today's World' Workshop at NIT, Uttarakhand, Srinagar	26th -29th September 2013
Prof Anjali Junghare Prof.Anupama Kumar	Awareness Program for Women Employees of the Institute in reference to the new Act passed in April 2013, "The Sexual Harassment Of Women At Workplace (Prevention, Prohibition And Redressal) Act, 2013".	4th December 2013
Prof. O.R.Jaiswal Prof.A.S.Junghare	Student Mentor Program (SMP) at VNIT Half-Day Workshop	31st October 2013
Prof Anjali Junghare Prof.Anupama Kumar	Women's Day Celebration	20TH March 2014
Electronics Engineering Department		
Dr S B Dhok Prof. Joydeep Sengupta	Advances in Digital Signal Processing Communication, RF and Microwave Technologies	05-09th May 2014 1st to 11th May 2013

Name of the Coordinator	Title	Duration
Humanities Department		
Dr.Y.M. Deshpande	'Quest for Best' [STTP]1 week	2 days 1st-5th July 2013
Dr.Y.M. Deshpande	"Brand Yourself"	
Dr. M. Ghosal	'Quest for Best' [STTP]5 Days	
(Co- Coordinator)		
Mathematics Department		
Dr. P. Pramod Chakravarthy	Self sponsored STTP on 'Advances in Computational Methods in Science and Engineering'	09-13, December 2013.
Dr. M. Devakar & Dr. Pallavi Mahale	Short Term Training Program on Recent Advances in Mathematics and its Applications to Science and Engineering (RAMASE)-2013	6-10, May 2013
Mechanical Engineering Department		
Dr. A. M. Kuthe	Certificate Training Programme on E-Foundry: Casting Design and Simulation	13-14 Dec. 2013
Dr. Y. M. Puri	CAM Tools (14/Sep./2013)	One Day
Dr. Y. M. Puri	CAM Tools (22/Feb./2014)	One Day
Dr. Y. M. Puri	CAM Tools (15/Mar./2014)	One Day
Dr. Y. M. Puri	CAM Tools (29/Mar./2014)	One Day

Name of the Coordinator	Title	Duration
Mrs. Rashmi Uddanwadiker and Shital Chiddarwar	Research Avenues In Bio-engineering	1 week
Dr. V. R. Kalamkar	Self financed one week workshop on "CFD Fundamentals and Software Training"	1 Week during 26th Feb 2014 to 2nd March 2014
Dr. V. R. Kalamkar	Two week ISTE sponsored workshop on "Fluid Mechanics".	2 Week during 20th-30th May 2014
Metallurgical & Materials Engineering Department		
D.R.Peshwe	Failure Analysis of Engineering Materials	18th to 20th April 2013
D.R.Peshwe	Social Sensitization- "Renaissance" VNIT, Nagpur	21 22 Feb. 2014
Dr. Atul Ballal Mr. Y Y Mahajan Mrs. Manjusha Thawre Dr. Jatin Bhatt Dr. Ajay Likhite Dr. D. R. Peshwe	Failure Analysis of Engineering Materials	April 18-20th, 2013
Dr. Jatin Bhatt Dr. Rajesh Khatirkar	Synchrotron based X-ray characterization and data analysis	May 4th , 2013

Name of the Coordinator	Title	Duration
Dr. A. R. Ballal	Workshop on Failure Analysis of Engineering Materials	3 days
Dr. A. R. Ballal	Expert Lecture Series by Prof. B.S. Murty	3 days
Mrs. M. M. Thawre Dr. A. R. Ballal Mr. Y.Y.Mahajan Dr. J.G.Bhatt Dr. D.R.Peshwe	Failure analysis of engineering materials	18-20 April 2013
Dr. A. A. Likhite	Co-ordinator for a three day workshop on Failure Analysis organized at Department of MME	April 2013
Mr. Y.Y. Mahajan	Organized TQUIP II sponsored "Workshop on Failure Analysis of Engineering Materials	18th to 20th April 2013
Mr. Y.Y. Mahajan	Introduction to Non destructive Testing for Managers and Engineers	29th Nov 2013
Mr. Y.Y. Mahajan	Expert talk on "Welding Technology for Managers and Engineers" by Mr. S.K.Sinha Roy from M/S Tata Project Ltd.	8th Jan. 2014

Name of the Coordinator	Title	Duration
Mr. Y.Y. Mahajan	Advanced Welding Technology for Manager and Engineers,	12th Feb 2014
Mining Engineering Department		
Dr. N. R. Thote (Co-convener)	National Conference on "Advances in explosives and propellants"	March 22, 2014
Physics Department		
Dr.R.S.Gedam & Dr. B.R. Sankapal	Short Term Training Program (STTP) on "Materials: Synthesis to Diverse Application (MSDA)-2013" (Self Financed)	December 9-13 2013
Architecture & Planning Department		
IIT Bombay Team Prof. Sarika P. Bahadure (Co- Coordinator) Prof. Sarika P. Bahadure Prof. A.J. Wahurwagh	Green Building Awareness Half day ISTE workshop Architectural Modelling Workshop	24 Aug. 2013 14 Feb. 2014

II. Staff Members deputed by the Institute

Name	Name of Programme	Organizing agency/sponsors	Date
Applied Mechanics Department			
Dr. Debarati Datta	Two week ISTE WORKSHOP on Engineering Mechanics	IIT Bombay	26 Nov-6 Dec, 2013
Dr. Ratnesh Kumar	Deliver Lecture in short term course on Earthquake Resilient City	NIT Durgapur	25 Dec 2013
Dr. Ratnesh Kumar	Deliver Lecture for training on "Introduction to earthquake" at RTC Nagpur Irrigation Dept. (Ajni Nagpur)	Regional Training Centre, Irrigation Dept. Nagpur	18 Feb 2014
Dr. S V Bakre	Building Excellence in Professional Higher Education Institutes	Indian School of Business, Hyderabad	19-21 Jan, 2014
Prof A Y Vyavahare	Advanced Finite Element Analysis	IIT Madras	22-24 Dec 2013
Prof A Y Vyavahare	ISTE Work shop on Engineering Mechanics ICT MHRD, IIT Bombay	VNIT Nagpur (RC)	26Nov-06Dec, 2013
Dr. Ratnesh Kumar	ISTE Work shop on Engineering Mechanics ICT MHRD, IIT Bombay	VNIT Nagpur (RC)	26Nov-06 Dec, 2013
Dr. Sangeeta Gadhave	ISTE Work shop on Engineering Mechanics ICT MHRD, IIT Bombay	VNIT Nagpur (RC)	26Nov-06Dec, 2013

Name	Name of Programme	Organizing agency/sponsors	Date
Dr Debrati Datta	ISTE Work shop on Engineering Mechanics ICT MHRD, IIT Bombay	VNIT Nagpur (RC)	26Nov-06Dec, 2013
Chemical Engineering Department			
A.P.Rathod	Analytical equipments for chemical analysis	Deptt. of Chemical Engg, VNIT, Nagpur	Feb. 1-3, 2013
A.P.Rathod	Advances in separation process	Deptt. of Chemical Engg, VNIT, Nagpur	June 3-7, 2013
Chemistry Department			
Anupama Kumar	The Sexual harassment of Women at workplace (Prevention, prohibition and redressal) Act, 2013	Institute of Public Administration, Bangaluru	2-3 Sept., 2013
Anupama Kumar	Introduction to Gaussian: Theory And Practice	Gaussian, Inc. and SCUBE Scientific Software Solutions	6-10 Jan 2014
Anupama Kumar	Short term course on "Introduction to research"	IIT, Indore	6-7 July,2013

Name	Name of Programme	Organizing agency/sponsors	Date
Anupama Kumar	Workshop on "Synchrotron based X-ray characterization and data analysis"	MME Dept., VNIT	4 th May, 2013
Atul Wankhade	Advances in Separation Processes	Chemical Engg. Deptt. VNIT, Nagpur	3 rd -7 th June 2013
Atul Wankhade	Quest for Best Learning New Pedagogy in the contemporary Engineering Education.	Humanities Dept.	1 st -5 th July 2013
Sangesh Zodape	2013 International workshop on Hadronic Chemistry, Mathematics and Physics Department of Chemistry, Nagpur University, Nagpur	The R.M. Santilli Foundation Palm Harbor, Florida, USA.	21-26 Oct 2013
Sangesh Zodape	Santilli/new mathematics for 21 st century Sciences at SMT. Bhagwati Chaturvedi College of Engineering, Nagpur	The R.M. Santilli Foundation Palm Harbor, Florida, USA.	6 th April, 2013
Sangesh Zodape	International Conference of Numerical Analysis and Applied Mathematics (ICNAAM-2013) at the Greece, Rhodes Palace Hotel, Rhodes	The R.M. Santilli Foundation Palm Harbor, Florida, USA.	22-26 Sept., 2013
Sangesh Zodape	Quest for the best Learning New Pedagogy in the Contemporary Engineering Education	Humanities Dept.	1 st - 5 th July 2013

Name	Name of Programme	Organizing agency/sponsors	Date
Sangesh Zodape	Advances in Separation Processes	Chemical Engg. Deptt. VNIT, Nagpur	3 rd - 7 th June 2013
Dr. Umesh R. Pratap	STTP on "Quest for Best Learning New Pedagogy in Contemporary Engineering Education"	Department of Humanities and Social Sciences VNIT, Nagpur	1 st - 5 th July, 2013
Civil Engineering Department			
Dr. V. A. Mhaisalkar and Dr. D.H.Lataye	Instrumentation And SCADA Applications In Water & Wastewater Management	Engineering Staff College of India, Hyderabad	18-21 June 2013
Dr. R.V. Ralegaonkar	Training Program on Greenhouse Gas Management	CII at Chennai-	27 th & 28 th Feb. 2014
Dr. Anirban Mandal	One day brain storming session at IIT Mumbai sponsored by DST on Geotechnical Engineering	IIT Mumbai	26 March, 2014
Dr. D. H. Lataye	Automated Air Pollution Monitoring	IIT Mumbai	23-24 Jan 2014.
Dr. A R Tembhurkar	STTP on Seismic Analysis and Design of RC and Masonary Structures	Dept. of Applied Mechanics, VNIT, Nagpur	02-03 March 2013
Dr. A R Tembhurkar	Executive Development program "Building Excellence in Professional Higher Education Institution"	School of Business, Hyderabad	19-21 Jan 2014

Name	Name of Programme	Organizing agency/sponsors	Date
Computer Science & Engineering Department			
Dr. Dipti Shrimankar	The Second IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC2012)	Department of Computer Science and Engineering, JAYPEE University of Information Technology, Himachal Pradesh, INDIA	6 th - 8 th Dec 2013
Dr. Dipti Shrimankar	ACM India Annual Event New Delhi	ACM India,	14 th -16 th Feb. 2014
Mrs. M. R. Pimple	Research Scholars & Alumni Symposium-2014	IIT Bombay	7 th - 8 th Mar 2014
Ms. Swati Heera	Research Scholars & Alumni Symposium-2014	IIT Bombay	7 th - 8 th March 2014
Ms. Meenakshi Bheevgade	Training on Effective Office Administration & Management	National Product Council, New Delhi	11-15 Feb. 2014
Swati Hira	RSAS-2014	IIT Bombay	6-7 March
Swati Hira	noSQL and Big Data	G.H. Raisoni College, Nagpur Association with ACM Nagpur Chapter	23 -25 Aug.
Swati Hira	Multivariate Data Analysis	IIT kharagpur	3-8 June 2013

Name	Name of Programme	Organizing agency/sponsors	Date
Electrical Engineering Department			
H. M. Suryawanshi	Invited in IEEE Industrial Electronics Society, IECON 2013, Vienna, Austria	IEEE Industrial Electronics Society, IECON 2013	10-11 Nov. 2013
Anjali Junghare	Signals and Systems- Distance Education Program	IIT Kharagpur	2 Jan-12 Jan 2014 (Two Weeks)
P.S.Kulkarni	Short term course on "Power Generation, Operation & Control"	NIT Hamirpur	8-12 July 2013
Humanities Department			
Dr. M. Ghosal	STC on 'Introduction to Research	IIT Indore	6 th - 7 th July. 2013
Dr. M. Ghosal	STC on 'Thesis/Technical Writing	AICTE & IIT Roorkee	19 th 23 rd Aug. 2013
Dr.G.N.Nimbarte	STC on 'Introduction to Research'	IIT Indore	6 th - 7 th July. 2013

Name	Name of Programme	Organizing agency/sponsors	Date
Mathematics Department			
Dr.M.Devakar	STTP on Quest for Best Learning New Pedagogy in the Contemporary Engineering Education (under TEQIP-II)	Department of Humanities and Social Sciences, VNIT Nagpur.	1-5, July 2013
Dr. Pallavi Mahale	STTP on Quest for Best Learning New Pedagogy in the Contemporary Engineering Education (under TEQIP-II)	Department of Humanities and Social Sciences, VNIT Nagpur.	1-5, July 2013
Dr. G. Naga Raju	International Conference on Conservation Laws & Applications	TIFR-CAM Bangalore	4-5 July, 2013.
Dr. R.P. Pant	STTP on Quest for Best Learning New Pedagogy in the Contemporary Engineering Education (under TEQIP-II)	Department of Humanities and Social Sciences, VNIT Nagpur.	1-5, July 2013
Dr. R.P. Pant	STTP on Recent Advances in Mathematics & its applications to Science and Engineering.	Department of Mathematics, VNIT. Nagpur	6-10 May, 2013
Dr. Pradip Roul	STTP on Recent Advances in Mathematics & its applications to Science and Engineering.	Department of Mathematics, VNIT. Nagpur	6-10 May, 2013
Dr. Pradip Roul	Workshop on Fundamentals of Finite Element Analysis & its applications using ANSYS (under TEQIP-II).	Department of Humanities & Social Sciences, VNIT, Nagpur.	1-5 July, 2013

Name	Name of Programme	Organizing agency/sponsors	Date
Dr. Pradip Roul	STTP on "QUEST FOR BEST": Learning New Pedagogy in the Contemporary Engg. Education (under TEQIP-II)	Department of Mechanical Engg., VNIT, Nagpur.	24-26 May, 2013
Mechanical Engineering Department			
Rashmi Uddanwadiker	One week workshop on Non Destructive Testing	VNIT, Nagpur	17-25 Nov 2013
Rashmi Uddanwadiker	One week workshop on Quest for Best	VNIT, Nagpur	1-5 th July 2013
Prof. P.V. Kane	5 Day PIP on Powertrain NVH	ARAI Pune	21-25, Oct. 2013
Prof. P.V. Kane	Short Term Course on Bearing and Gear fault Diagnosis	IIT, Indore	21-23, March 2014
Dr. V. R. Kalamkar	2-day workshop on "Future of Propulsion Technology".	IIT Bombay. TEQIP-II	24-25 Jan 2014
Dr. V. R. Kalamkar	One week Coordinators' Workshop on "Fluid Mechanics".	IIT Kharagpur	11 th -15 th Mar., 2014
Metallurgical & Materials Engineering Department			
Dr. A. R. Ballal	Workshop on Fatigue Failures and Fracture	DRDO & TRAERF	Feb' 2014
Mrs. M. M. Thaware	Workshop on "Synchrotron based X-ray characterization & data analysis"	MME VNIT/TEQIP	4 th May, 2013
Mrs. M. M. Thaware	Training on "Ultrasonic Testing"	Mech. Dept. VNIT/TEQIP	18-24 Nov. 2013

Name	Name of Programme	Organizing agency/sponsors	Date
Mr. Yogesh Y Mahajan	STTP workshop "Quest for Best" Learning New Pedagogy in the Contemporary Engg. Education.	Department of Humanities and social Sciences	1- 5 July 2013
Mr. Yogesh Y	One Week NDT Training	Department of Mechanical Engg. VNIT, Nagpur	18 th -24 th 2013.
Mr. Yogesh Y Mahajan	Participated in the NRC-M Summer workshop on "Principles and Diffraction" Techniques of X-Ray	Department of Materials Engg. Indian Institute of Science, Bangalore	10 -21 June 2013
Mr. Yogesh Y Mahajan	"Awareness programme on suicide prevention & counseling" under TEQIP II	Physics Assembly Hall, VNIT Nagpur	10 th May 2013
Mining Engineering Department			
Dr. N. R. Thote	Selection Committee & BOS, Meeting, Goa University	Goa University	22 Dec.2013
Physics Department			
Dr(Mrs) S.R. Patrikar	Short Term Training Program (STTP) on "Materials: Synthesis to Diverse Applications (MSDA)-2013"	Department of Applied Physics, VNIT Nagpur	9-13 Dec., 2013
	Tutorials during International Conference on Energy Efficient LED Lighting & Solar Photovoltaic Systems at IIT, Kanpur	IIT Kanpur	26-29 Mar. 2014

Name	Name of Programme	Organizing agency/sponsors	Date
Dr (Mrs) A.V. Deshpande	Short Term Training Program (STTP) on "Materials: Synthesis to Diverse Applications (MSDA)-2013"	Department of Applied Physics, VNIT Nagpur	9-13 Dec., 2013
Dr (Mrs) S.M. Giripunje	Short Term Training Program (STTP) on "Materials: Synthesis to Diverse Applications (MSDA)-2013"	Department of Applied Physics, VNIT Nagpur	9-13 Dec., 2013
	Tutorials during International Conference on Energy Efficient LED Lighting & Solar Photovoltaic Systems at IIT, Kanpur	IIT Kanpur	26-29 Mar 2014
Architecture & Planning Department			
Rajashree Kotharkar, Alpana R. Dongre, Akshay P. Patil, Sameer M. Deshkar, Vidya V. Ghuge, Sarika P. Bahadure, Amit J. Wahurwagh & Pankaj N. Bahadure	Workshop on Exploring Remote Sensing & GIS Techniques for Better Education & Governance	Indian Institute of Engineers, Nagpur	2 Mar. 2013
Akshay P. Patil, Sameer M. Deshkar, Sarika P. Bahadure, Amit J. Wahurwagh & Pankaj N. Bahadure	Two days short term course funded by TEQIP-II on Seismic Analysis and Design of RC and Masonry Structures	Department of Applied Mechanics, VNIT, Nagpur	2- 3 Mar. 2013

Name	Name of Programme	Organizing agency/sponsors	Date
Sameer M. Deshkar, Vidya V. Ghuge, Amit M. Deshmukh, Sarika P. Bahadure, Amit J. Wahurwagh & Pankaj N. Bahadure	STTP Workshop "Quest for Best" Learning New Padagogy in the Contemporary Engineering Education	Department of Humanities and Social Sciences, VNIT, Nagpur	1-5 July 2013
Sarika P. Bahadure	Half day ISTE Workshop on Green Building Awareness	IIT Bombay and VNIT Nagpur	24th August 2013
Rajashree Kotharkar and Pankaj N. Bahadure	Workshop on 'Emerging Settlement Patterns & Issues Related with Sustainability'	Department of Regional Planning, School of Planning and Architecture, New Delhi	17-18 Jan. 2014
Akshay P. Patil, Amit J. Wahurwagh	One day Workshop on "Inspection Reform Experts Training Program"	Council of Architecture at Pune	26 February 2014

III. Publications

Refer 5.3 (a) & 5.3(b)

Books authored during the year

Author	Title of the Book	Publisher
Chemical Engineering department		
Dr.S.S.Sonawane & DR. S.Mishra	Polyamide Nanocomposites	LAP Lambert, Germany
Computer Science & Engineering Engineering		
Dr. S. R. Sathe	Foundations of Algorithms	Penram
Electrical Engineering		
B. S. Umre D. P. Kothari	Laboratory Manuals for Electrical Machines	J.K. International, New Delhi.
Electronics & Communication Engineering		
K M Bhurchandi, A K Ray	Advanced Microprocessors and peripherals, 3 rd Ed	McGraw Hill, June 2013
Mechanical Engineering Department		
Rashmi Uddanwadiker & Pramod Padole	Analysis of Dental Structure: A Finite Element Approach	Createspace

11.8 Courses and Admission

Same as 4.2 and 4.3.

11.9 Scholarships and Awards

Same as 4.6 and 4.8

11.10 Training and Placement Statistics

A) Statistics of Students Placed after 1st April 2013.

Branch	Passing out Batch 2013
Civil	
Mechanical	01
Electrical03	
Chemical	
Electronics	
Computer Science	
Metallurgy	7
Mining -	
Total	11
M.Tech	08

B) Statistics of Placement 2013-14 upto 31st March 2014

Number of Students Placed

B.Tech

Branch	Eligible	Placed
Civil	74	38
Mechanical	74	59
Electrical	78	58
Chemical	69	42
Electronics	80	53
Computer Science	78	59
Metallurgy	66	20
Mining	12	5
	531	331

B.Arch

Branch	Eligible	Placed
Architecture	47	04

M.Tech

Branch	Eligible	Placed
Environmental	17	11
Engineering	15	03
Construction		
Technology and		
Management		
Water Resources	14	3
Engineering		
Transportation	20	05
Engineering		
Integrated Power	20	04
System		
Power Electronics	21	01
and Drives		
VLSI Design	20	--
Communication System	20	01
Engineering		
Computer Science	21	13
Engineering		
Structural Dynamics and	16	03
Earthquake Engineering		
Structural Engineering	18	06
Heat Power Engineering	18	06

Branch	Eligible	Placed
Industrial Engineering	18	03
CAD-CAM	20	03
Material Engineering	17	--
Urban Planning	08	--
Total	283	62

M.Sc

Branch	Eligible	Placed
Physics	10	--
Chemistry	09	--
Mathematics	11	--
Total	30	-

Number of Jobs Offered

B.Tech

Type of job	C	M	E	Ch	N	R	T	G	TOTAL
Normal Job	37	47	42	38	44	33	20	5	266
Dream job	1	17	16	6	12	33			85
PPO Normal Job	1		1						2
PPO Dream job		1	2		2	1			6
Total -->	39	65	61	44	58	67	20	5	359

C - Civil

R - Comp.Sci. & Engineering

M - Mechanical

G - Mining

E - Electrical & Electronics

T - Metallurgical & Materials

N - Electronics & Communication

Ch - Chemical

B.Arch

Type of job	Architecture	TOTAL
Normal Job	04	04
Total	04	04

M.Sc

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

M.Tech

Type of Job	STR	SDEE	WRE	PED	IPS	VLSI	MCS	HPE	IND	CAD	TRE	ENV	CTM	MTE	URBAN	CMN	TOTAL
Normal	6	3	3	1	4	--	7	6	3	3	5	5	3	--	--	1	50
Dream	--	--	--			--	7					10		--	--		17
Total	6	3	3	1	4		14	6	3	3	5	15	3	--	--	1	67

- ENV : Environmental Engineering
 WRE : Water Resources Engineering
 CTM : Construction Technology and Management
 TRE : Transportation Engineering
 IPS : Integrated Power System
 PED : Power Electronics and Drives
 VLSI : VLSI Design
 CMN : Communication System Engineering

CSE	:	Computer Science Engineering
SDEE	:	Structural Dynamics and Earthquake Engineering
STR	:	Structural Engineering
HPE	:	Heat Power Engineering
IND	:	Industrial Engineering
CAD-CAM	:	CAD-CAM
MTE	:	Material Engineering
Urban	:	Urban Planning

B.Tech Normal Jobs

SN	Company Name	C	M	E	Ch	N	R	T	G	Total
1	3DPLM		2				1	1		4
2	ABB			4						4
3	ACC-Concrete		1	1						2
4	ACG		2							2
5	Avtec		2							2
6	Bizsense					2				2
7	Black & Veatch	1	1	2						4
8	Calsoft Normal						6			6
9	Cybage					1	4			5
10	FCS			1		1	2			4
11	Fluor	2								2
12	Garware									0
13	GMR					2	1			3
14	Godrej				2					2
15	Greaves Cotton		3							3
16	Hella India					1				1
17	IBM-GBS	1				7	2	2		12
18	Infocepts					4		1		5
19	Jayaswal Neco Industries Ltd.									0
20	L & T ECC	16	9	8						33
21	L & T Powai	4	4	3						11

SN	Company Name	C	M	E	Ch	N	R	T	G	Total
22	L&T - IES		4	4		2				10
23	L&T Infotech					2	2			4
24	Lafarge		1		1					2
25	Magneti Marelli					2				2
26	MISYS					1	1			2
27	Mu Sigma	2		1	5	6	2	2		18
28	NISM					1				1
29	Orient Cement			3	2				1	6
30	Pidilite	4	4		2					10
31	Praj Industries					1				1
32	Rancore									0
33	Reliance Industries		5	6	8			5		24
34	Resonance		1		1					2
35	Rishabh Instruments Pvt. Ltd.			1		1	1			3
36	SPCL	4								4
37	Sulzer		2		2					4
38	TCE		3		5					8
39	TCS	1		2	1	4	3	3		14
40	Tech Mahindra	1			1					2
41	TESCO			2		2	3			7
42	Thermax		1							1
43	UPL		1		2					3

SN	Company Name	C	M	E	Ch	N	R	T	G	Total
44	Uttam Galva Steels		1	2	3			6		12
45	VA Tech Wabag	1		1	2					4
46	Vedanta								4	4
47	Verizon					1	5			6
48	Virtusa			1		4				5
49	ABB-PPO			1						1
50	Pidilite-PPO	1								1
	Total	38	47	43	38	44	33	20	5	268

B.Tech Dream Jobs

S N	Company Name	C	M	E	Ch	N	R	T	G	Total
1	Amazon						1			1
2	Bajaj Auto		3							3
3	Calsoft Dream						3			3
4	C-DOT					1	1			2
5	Coal India		10	9						19
6	Diebold			1		1	2			4
7	Finisar			1		3				4
8	Futures First	1		1	1	1				4
9	Google									0
10	HUL		2	1	2					5
11	MAQ						1			1
12	Morgan Stanley						3			3

S N	Company Name	C	M	E	Ch	N	R	T	G	Total
13	Nvidia						3			3
14	OFSS						4			4
15	Oracle						2			2
16	Pepsico		2	1						3
17	Persistent						3			3
18	R&D Samsung						3			3
19	S&P Capital IQ					2	3			5
20	Samsung						1			1
21	WorldQuant									0
22	ZS			2	3	4	3			12
23	Goldman Sachs-PPO			2			1			3
24	Tata Steel-PPO		1			2				3
	Total	1	18	18	6	14	34	0	0	91

B.Arch. Normal Jobs

SN	Company Name	Architecture	Total
1.	L & T, ECC	04	04
	Total	04	04

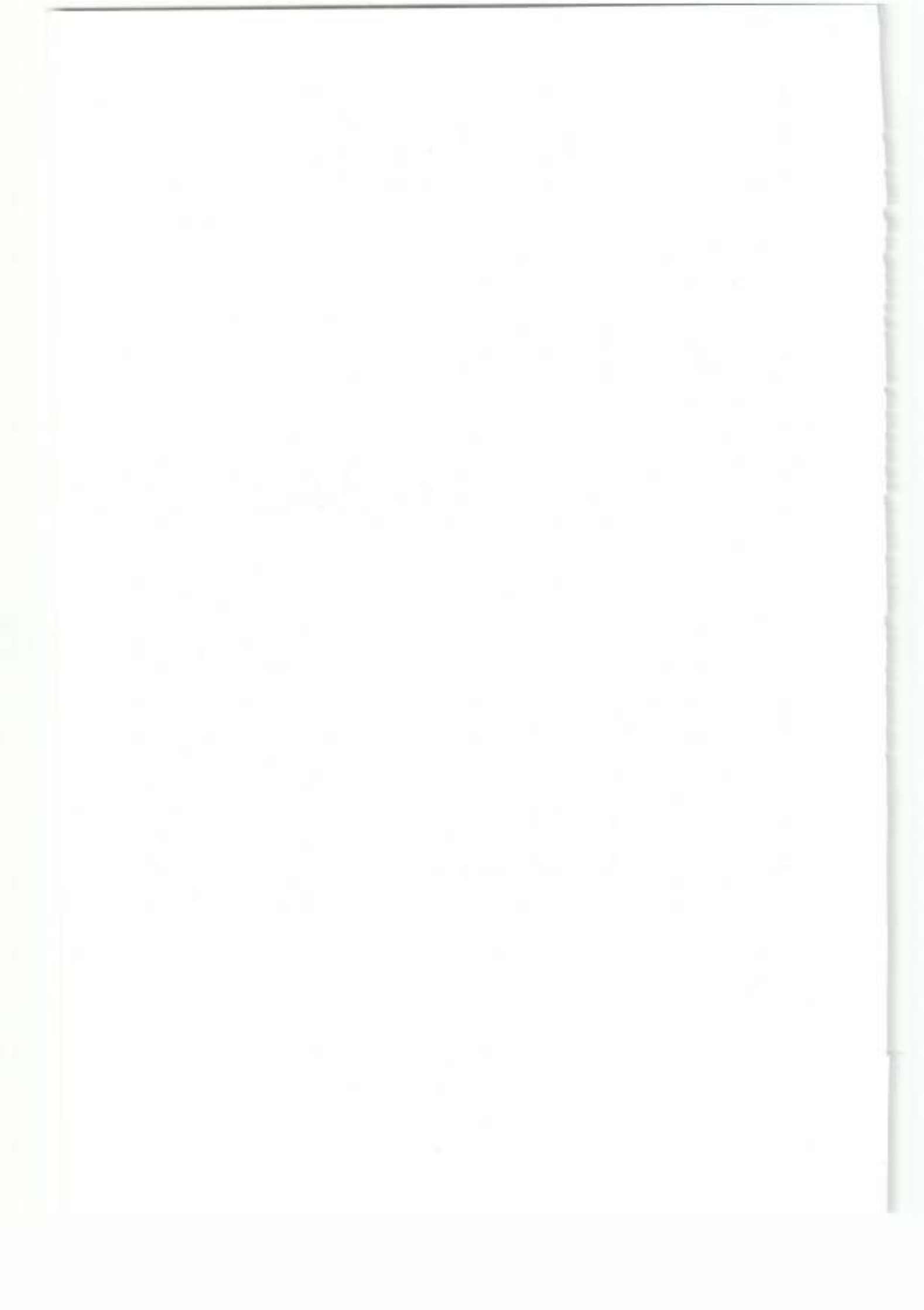
M.Tech Normal Job

S N	Company Name	STR	SDEE	WRE	PED	IPS	VLSI	CSE	HPE	IND	CAD-CAM	TRE	ENV	CTM	MTE	Urban	CMN	Total
1	3DPLM										1							1
2	Atmiya Institute of Tech & Sci			1		1		2	1	2								7
3	Bizsense							1										1
4	Black & Veatch																	0
5	Hella India																1	1
6	IBM-GBS							1										1
7	L & T - IES				1				1	1								3
8	L&T ECC	5				3								3				11
9	L&T Infotech																	0
10	LTJET	1	3						2		2	2						10
11	MISYS																	0
12	NISM							1										1
13	TCE			2					2				5					9
14	TCS							2										2
15	The Progress Group																	0
16	VA Tech Wabag																	0

S N	Company Name	STR	SDEE	WRE	PED	IPS	VLSI	CSE	HPE	IND	CAD-CAM	TRE	ENV	CTM	MTE	Urban	CMN	Total
17	Verizon																	0
18	Vishvaraj Infrastructure Ltd.									3						3		
	Total																	50

M.Tech Dream Job

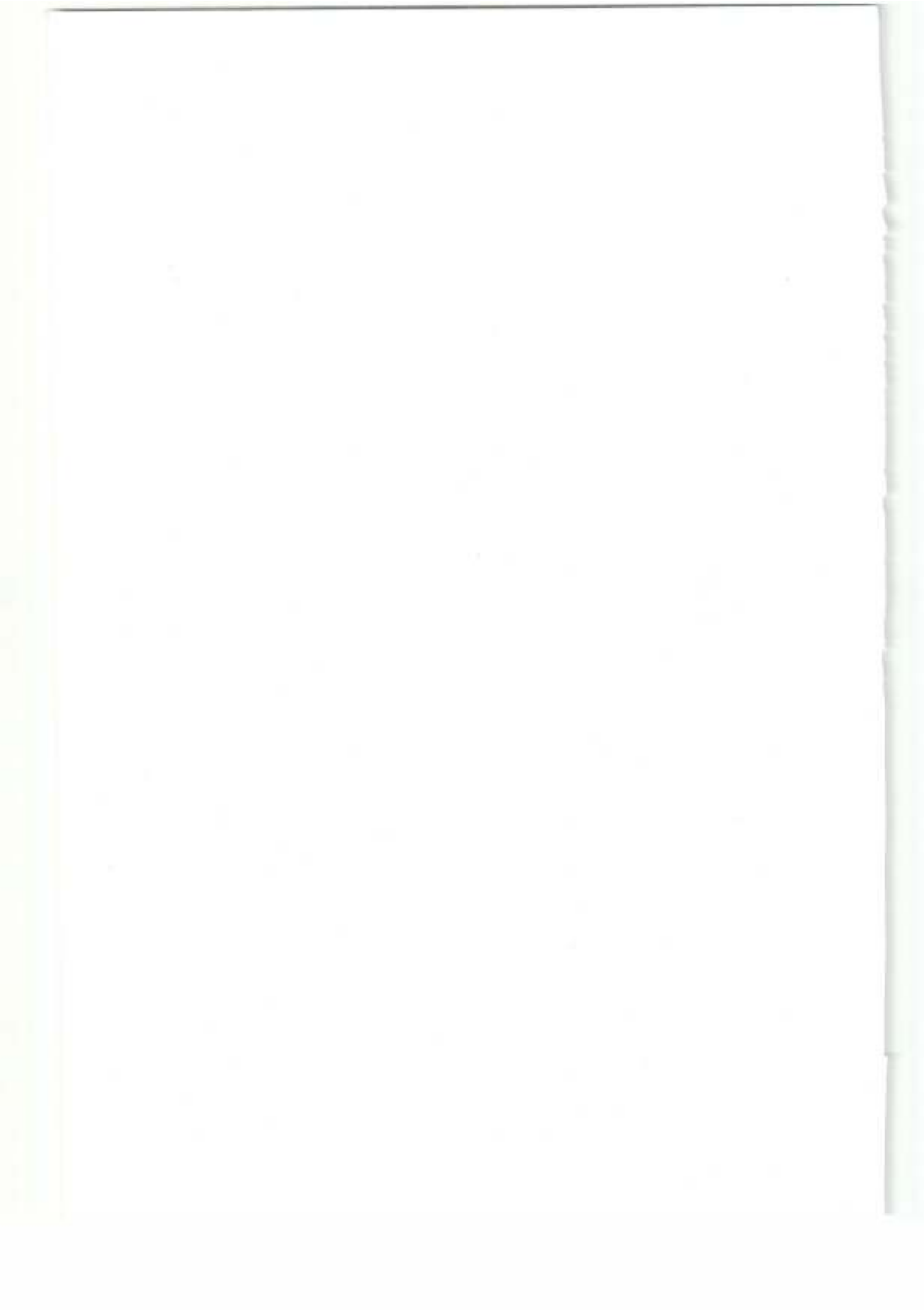
S N	Company Name	STR	SDEE	WRE	PED	IPS	VLSI	CSE	HPE	IND	CAD-CAM	TRE	ENV	CTM	MTE	Urban	CMN	Total
1	Amazon							1										1
2	Coal India												10					10
3	Finisar Malaysia							1										1
4	google																	0
5	MAQ Software							3										3
6	Nvidia																	0
7	OFSS																	0
8	Oracle																	0
9	Samsung							2										2
	Total							07					10					17



PREFACE

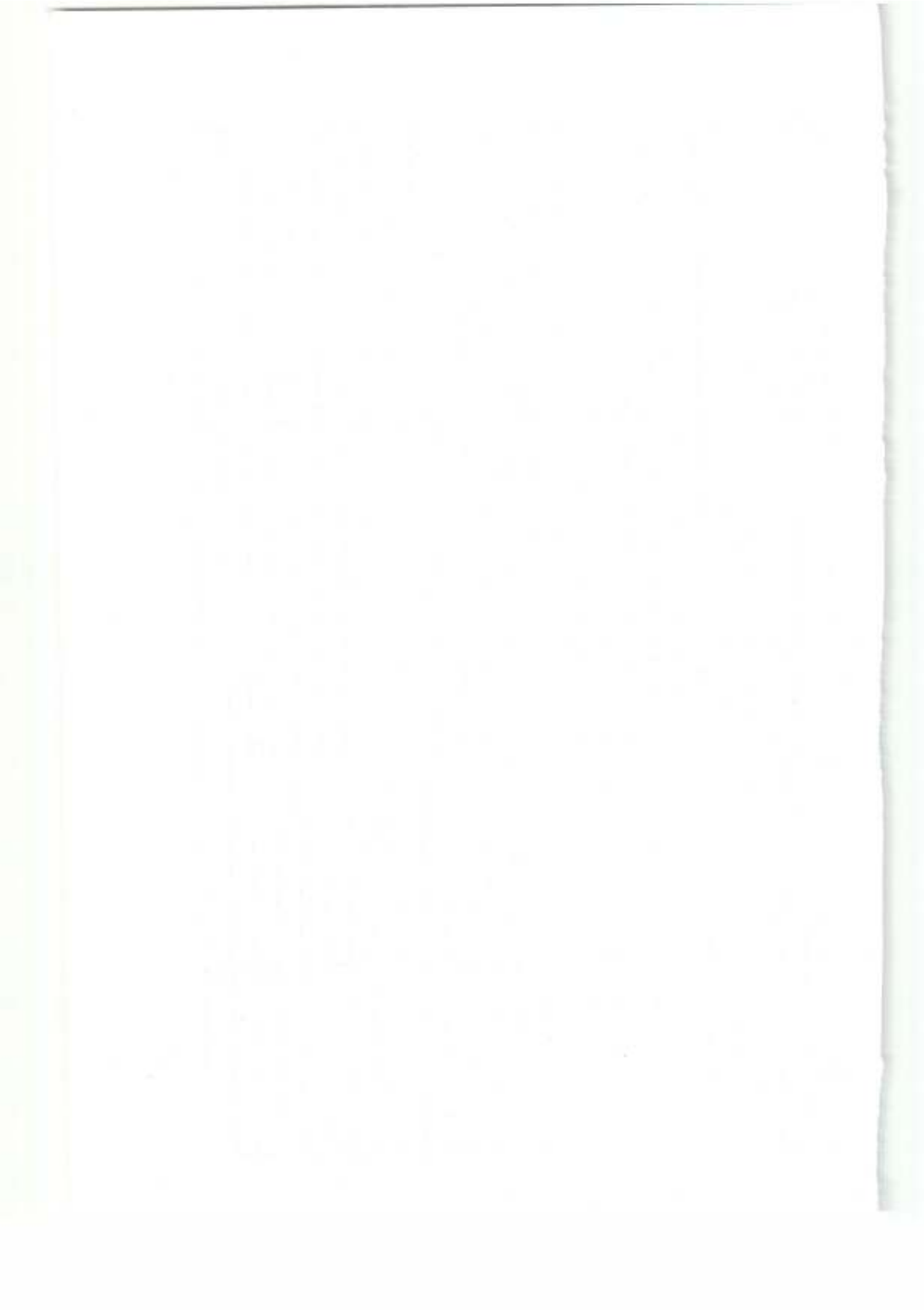
This Annual Financial Statement is made on the New Common Financial Reporting Format in terms of
Shri R P Sisodia Jr. Secretary (A&HE) Ministry of Human Resource Development, Department of Higher Education

D. O. No. 8-2/2012-UIA dated 7th February 2012 on the basis of Accounts maintained in the new system of
accounting as required therein with effect from 1-4-2013.



INDEX

[illegible]



[illegible]

(Rs. in Lakhs)

2

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st March 2014

SCHEDULE - 1 CORPUS

Particulars	(Rs. in Lakhs)	
	Current Year	Previous Year
Balance as at the beginning of the year		4093.58
Addition During the Year	4459.22	
Add: Contributions towards Corpus		
Deduct : Assets written off during the year created out of Corpus	537.67	3921.55
Total Balance at the Year End	8015.13	4,093.58

SCHEDULE - 2 GENERAL FUND

Particulars	(Rs. in Lakhs)	
	Current Year	Previous Year
Balance as at the beginning of the year (As per Annual A/c)		
Balance as at the beginning of the year (As per Gymkhana A/c.)	1162.30	1,122.71
Add: Contributions towards General Fund		39.59
Add / Deduct : Balance of net Income / Expenditure transferred from the Income and Expenditure A/c. (As per Annual A/c.)	6583.97	0.00
Add / Deduct : Balance of net Income / Expenditure transferred from the Income and Expenditure A/c. (As per Gymkhana A/c.)		1,141.37
Add / Deduct : Balance of net Income / Expenditure transferred from the Income and Expenditure A/c. (As per R & D A/c.)		8.02
Deduct : General Fund & Reserve during the year	5496.15	1087.82
Total Balance at the Year End	2250.12	2311.69

NAGPUR
24-Apr-14

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st March 2014

(Rs. In Lakhs)

SCHEDULE SUMMARY [3A]

SCHEDULE 3 - DESIGNATED / EARMARKED FUNDS	DESIGNATED FUNDS [3.1]				3.2	3.3	3.4	3.5	TOTAL (A)	
	DEPRECIATION FUND	MAINTAINED FUND	STAFF DEV FUND	DD FUND					CURRENT YEAR	PREVIOUS YEAR
a) Opening balance of the funds	29.34	31.06	73.50	119.12	16.29	1559.79	4.37	1,833.47	1,489.86	
Total (a)	29.34	31.06	73.50	119.12	16.29	1,559.79	4.37	1,833.47	1,489.86	
b) Additions to the Funds:										
i. Donation / Grants	1.92	2.37	4.76	18.30	3.31	16.31	0.00	46.97		6.51
ii. Income from Investments made on of funds										
iii. Accrued Interest on Investments of the funds	13.35	13.35	46.61	92.76	26.73	273.72	0.00	466.52	1,707.10	
iv. Other additions (specify nature)										
Total (b)	15.27	15.72	51.37	111.06	30.04	290.03	0.00	513.49	1,713.61	
TOTAL (a+b)	44.61	46.78	124.87	230.18	46.33	1,849.82	4.37	2,346.96	3,203.47	
c) Utilisation/Expenditure towards objectives of funds										
I. Capital Expenditure										
- Fixed Assets										
- Others										
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ii. Revenue Expenditure										
- Salaries, Wages and allowances etc./ Stipend										
- Rent	0.00	0.00	0.00	194.75	32.09	341.24	0.00	568.08	1,369.99	
- Other Administrative expenses	0.00	0.00	0.00	194.75	32.09	341.24	0.00	568.08	1,369.99	
Total	0.00	0.00	0.00	194.75	32.09	341.24	0.00	568.08	1,369.99	
TOTAL (c)	0.00	0.00	0.00	124.87	35.43	1,508.58	4.37	1,778.88	1,833.48	
Net Balance as at the Year End (a + b + c)	44.61	46.78	124.87	35.43	14.24	1,508.58	4.37	1,778.88	1,833.48	

NAGPUR
24-Apr-14

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st March 2014
SCHEDULE SUMMARY [3B]

(Rs. In Lakhs)									
SCHEDULE 3 - DESIGNATED / EARMARKED FUNDS									
	3.6	3.7	3.8	3.9	3.10	TOTAL (B)			
	OTHER FUND	PRIZE FUND	STUDENT AID FUND	HOSTEL WELFARE FUND	INSURANCE COVERAGE TO STUDENTS	CURRENT YEAR	PREVIOUS YEAR		
a) Opening balance of the funds	9.99	19.47	1.45	-	(5.71)	25.20	47.38		
Total (a)	9.99	19.47	1.45	-	(5.71)	25.20	47.38		
b) Additions to the Funds:									
i. Donation / Grants		1.48	-			1.48			
ii. Income from Investments made on of funds									
iii. Accrued Interest on Investments of the funds	5.22	1.00	3.82	7.36	38.77	56.17	52.77		
iv. Other additions (specify nature)	5.22	2.48	3.82	7.36	38.77	56.17	52.77		
Total (b)	15.21	21.95	5.27	7.36	33.06	82.85	100.15		
TOTAL (a+b)									
c) Utilisation/Expenditure towards objectives of funds									
i. Capital Expenditure									
- Fixed Assets									
- Others									
Total	-	-	-	-	-	-	-		
ii. Revenue Expenditure									
- Salaries, Wages and allowances etc./ Stipend									
- Rent									
- Other Administrative expenses	10.35	0.31	3.34		2.63	16.63	74.94		
Total (c)	10.35	0.31	-	-	2.63	16.63	74.94		
	10.35	0.31	-	-	2.63	16.63	74.94		
NET BALANCE AS AT THE YEAR-END (a+b-c)	4.86	21.64	1.93	7.36	30.43	66.22	25.21		

NAGPUR
24-Apr-14

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st March 2014
SCHEDULE SUMMARY OF [3A & 3B]

(Rs. In Lakhs)

SCHEDULE 3 - DESIGNATED / EARMARKED FUNDS	TOTAL (A)		TOTAL (B)		TOTAL (A + B)	
	CURRENT YEAR	PREVIOUS YEAR	CURRENT YEAR	PREVIOUS YEAR	CURRENT YEAR	PREVIOUS YEAR
a) Opening balance of the funds	1,833.47	1,489.86	25.20	47.38	1,858.67	1,537.24
Total (a)	1,833.47	1,489.86	25.20	47.38	1,858.67	1,537.24
b) Additions to the Funds:						
i. Donation / Grants		6.51				6.51
ii. Income from Investments made on of funds	46.97	-	1.48		46.97	-
iii. Accrued Interest on Investments of the funds	466.52	1,707.10	56.17	52.77	522.69	1,759.87
iv. Other additions (specify nature)	513.49	1,713.61	57.65	52.77	571.14	1,766.38
Total (b)	2,346.96	3,203.47	82.85	100.15	2,429.81	3,303.62
TOTAL (a+b)						
c) Utilisation/Expenditure towards objectives of funds						
i. Capital Expenditure						
- Fixed Assets						
- Others						
Total						
ii. Revenue Expenditure						
- Salaries, Wages and allowances etc./ Stipend						
- Rent	568.08	1,369.99	16.63	74.94	584.71	1,444.93
- Other Administrative expenses	568.08	1,369.99	16.63	74.94	584.71	1,444.93
Total						
TOTAL (c)	1,778.88	1,833.48	66.22	25.21	1,845.10	1,858.69
NET BALANCE AS AT THE YEAR-END (a+b-c)						

NAGPUR
24-Apr-14

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st March 2014

(Rs. In Lakhs)

SCHEDULE 4 - RESTRICTED FUNDS	RESTRICTED FUNDS [4.1]							TOTAL	
	112-35	112-31	789-35	789-31	796-35	796-31	4.2	CURRENT YEAR	PREVIOUS YEAR
a) Opening balance of the funds	3,675.47	575.25	50.38	(222.79)	(249.62)	(222.79)	13,030.32	16,636.22	5,839.33
Total (a)	3,675.47	575.25	50.38	(222.79)	(249.62)	(222.79)	13,030.32	16,636.22	5,839.33
b) Additions to the Funds:									
i. Donation / Grants	2,750.73	1,194.52	532.38	231.37	283.40	132.60	0.00	5,125.00	13.42
ii. Income from Investments made on of funds	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	422.33
iii. Accrued Interest on Investments of the funds	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
iv. Other additions (specify nature)	2,750.73	1,194.52	532.38	231.37	283.40	132.60	0.00	5,125.00	15,543.85
Total (b)	6,426.20	1,769.77	582.76	8.58	33.78	(90.19)	16,338.57	25,069.47	21,818.93
TOTAL (a+b)									
c) Utilisation/Expenditure towards objectives of funds									
i. Capital Expenditure									
- Fixed Assets	2,910.57	0.00	363.90	0.00	33.77	0.00	0.00	3,308.24	1,844.48
- Others									
Total	2,910.57	0.00	363.90	0.00	33.77	0.00	0.00	3,308.24	1,844.48
ii. Revenue Expenditure									
- Salaries, Wages and allowances etc./ Stipend	0.00	558.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
- Rent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
- Other Administrative expenses	0.00	50.40	0.00	8.58	0.00	0.00	1,254.95	1,313.93	3,338.23
TOTAL (c)	2,910.57	608.79	363.90	8.58	33.77	0.00	1,254.95	5,180.56	5,182.71
NET BALANCE AS AT THE YEAR-END (a+b-c)	3,515.63	1,160.98	218.86	0.00	0.00	(90.19)	15,083.62	19,888.90	16,636.22

Note : Actual Opening Balance Rs. 3555.51 Out of this amount Rs. 3652.59 has been paid as advance to CPWD Unspent thus Opening Balance for the year 2013-14 is -97.08.

Note: Rs. 3551.89 being advance held with CPWD in 2012-13 hence Net Balance (3515.63 - 3551.89) -36.26 for the year 2014-15

NAGPUR
24-Apr-14

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

(Rs. in Lakhs)

SCHEDULE 5 - LOANS / BORROWINGS SECURED LOANS	CURRENT YEAR	PREVIOUS YEAR
1. Central Government		
2. State Government (Specify)		
3. Financial Institutions		
a) Term Loans		
b) Interest accrued and due		
4. Banks:		
a) Term Loans		
Interest accrued and due		
b) Other Loans (Specify)		
Interest accrued and due		
5. Other Institutions and Agencies		
6. Debentures and Bonds		
7. Others (Specify)		
5.7.1 Caution Money	25.71	12.81
5.7.2 Library Deposit	29.90	23.46
5.7.3 Library Reg. Deposit	0.15	0.15
TOTAL	55.76	36.42

UNSECURED LOANS	CURRENT YEAR	PREVIOUS YEAR
1. Central Government		
2. State Government (Specify)		
3. Financial Institutions		
a) Term Loans		
b) Interest accrued and due		
4. Banks:		
a) Term Loans		
Interest accrued and due		
b) Other Loans (Specify)		
Interest accrued and due		
5. Other Institutions and Agencies		
6. Debentures and Bonds		
7. Others (Specify)		
TOTAL		

NAGPUR
24-Apr-14

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SUMMARY
SCHEDULE 6 - CURRENT LIABILITIES & PROVISION

(Rs. In Lakhs)

SCHEDULES	CURRENT YEAR		PREVIOUS YEAR	
Total Of Schedule 6.1	364.34		333.52	
Total Of Schedule 6.2	371.57		108.59	
Total Of Schedule 6.3	440.89		413.32	
Total Of Schedule 6.4	469.60		266.87	
Total Of Schedule 6.5	95.91		464.23	
Total Of Schedule 6.6	(1,518.52)		23.93	
Total Of Schedule 6.7 (R&D)	373.83		498.95	
TOTAL		597.62		2,109.41

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 6 - CURRENT LIABILITIES & PROVISION

SCH. 6.1

(Rs. in Lakhs)

A. CURRENT LIABILITIES				
6.1	Deposit from staff			
6.2	Deposit from students			
6.3	Sundry Creditors			
6.3.1	For Goods & Services			
6.3.1.01	EMD	47.05		56.67
6.3.1.02	Security Deposits	291.98	339.03	274.80
6.3.2	Others			
3	Advances Received			
6.4	Interest accrued but not due on			
	a) Secured Loans / borrowings			
	b) Unsecured Loans / borrowings			
6.5	Statutory Liabilities (GPF, TDS, WCT, CPE, GIS, NPS)			
6.5.1	Overdue			
6.5.2	Others			0.30
6.5.2.1	W.T. Payables			0.11
6.5.2.2	Income Tax Payable (Salary 92 A)	24.20		1.05
6.5.2.3	Income Tax Payable (Contr. 2% 94 C)			0.37
6.5.2.4	Income Tax Payable (Prof 10% 94 I)			0.22
6.5.2.5	Professional Tax (Payable)	0.88		
6.5.2.6	Lab. Welfare Cess (Payable)	0.23	25.31	2.05
TOTAL (SCH 6.1)			364.34	333.52

NAGPUR

24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISHVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014
SCH 6.2

SCHEDULE 6 - CURRENT LIABILITIES & PROVISION

A. CURRENT LIABILITIES				(Rs. In Lakhs)	
6.6. Other Current Liabilities					
6.6.1) Salaried					
6.6.1.01 Arrears Of Da Pensioners (Payable)					
6.6.1.02 Honorarium (Payable)					
6.6.1.03 Salary Adhoc Staff (Officers) (Payable)		7.86			
6.6.1.04 Salary Class Iii (Adhoc) Payable		13.20			
6.6.1.05 Other Nps (Payable)		5.86		4.35	4.35
6.6.1.06 C.T.D. (Payable)		0.11			
6.6.1.07 GIS (Payable)		1.01			
6.6.1.08 GPF (Payable)		22.53			
6.6.1.09 LIC (Payable)		3.63			
6.6.1.10 VBI (Payable) 0.00					
6.6.1.11 NPS Trust (Payable)		12.69			
6.6.1.12 Other Ded (Payable)		1.07			
6.6.1.13 Staff Club (Payable)		0.15			
6.6.1.14 P.A.O (Payable)		0.08			
6.6.1.15 Pathsanstha (Payable)		5.48			
6.6.1.16 Pension (Payable)		87.90			
6.6.1.17 Staff Association (Payable)		0.01			
6.6.1.18 Principal Family Court (Payable)		0.01			
6.6.1.19 Principal Sardar Patel (Payable)		0.00			
6.6.1.20 Recreation Club (Payable)		0.00			
6.6.1.21 Reg / Nps Salary (Payable)		161.31			
6.6.1.22 S.B.F. (Payable)		0.34			
6.6.1.23 Visiting Doctors / Faculty		1.31	324.55		
6.6.2) Receipts against sponsored projects					
6.6.3) Receipts against sponsored Fellowship & Scholarships					
6.6.4) Unutilised Grants					
6.6.5) Grants in Advance					
6.6.6) Other Funds					
6.6.6.1 DD Fund					
6.6.6.1.01 Consultancy Deposits		43.48		101.17	
6.6.6.1.02 Consumables Deposits		1.09		0.34	
6.6.6.1.03 Field Man For WTP [V. A. Mhaisalkar]		0.03		0.03	
6.6.6.1.04 Report Writing Deposits		2.42	47.02	2.70	104.24
TOTAL (SCH 6.2)			371.57		108.59

NAGPUR

24 April, 2014

REGISTRAR

11

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCH 6.3

(Rs. In Lakhs)

SCHEDULE 6 - CURRENT LIABILITIES & PROVISION	CURRENT YEAR		PREVIOUS YEAR	
6.6.6.1.07 Short Term Course Is-800-2007	0.06		0.06	
6.6.6.1.08 Testing Deposits	33.58			21.04
6.6.6.1.09 Train Course On Earthquake Analysis	0.97		0.97	
6.6.6.1.10 Miscellaneous Receipt (Ddf)	0.00		-	
6.6.6.1.11 Visit Charges Deposits	1.65		0.65	
6.6.6.1.12 Unclassified Deposits (Ddf)	4.47		-	
6.6.6.1.13 Income Tax Payable (Ddf)	0.00		3.02	
SERVICE TAX 0.08				
6.6.6.1.05 Service Tax Deposits			1.19	26.93
6.6.6.1.06 Service Tax Payable			-	
TOTAL		40.81		
6.6.7 Other Liabilities				
6.6.7.1 Hostel Electricity Deposit	84.50		102.29	
6.6.7.2 Deposit For Breakfasts	16.88		8.06	
6.6.7.3 Hostel Water Deposit	0.27		12.82	
6.6.7.4 Mess Deposit / Expenditure	190.56		151.92	275.09
6.6.7.5 Hostel Room Rent Deposit	2.39	294.60		
6.6.8 Institute				
6.6.8.01 Nal Conf On Green Chemistry & Engg	0.32		0.07	
6.6.8.02 AIEEE 2011	1.32		1.32	
6.6.8.03 CC FM Conference (S S Umare)	0.00		(0.23)	
6.6.8.04 Comad 2010 0.16			0.16	
6.6.8.05 ERIP Book Grants 0.04			0.04	
6.6.8.07 Ed 32846538664 Sheela Caterers (Sd)	0.00		(0.50)	
6.6.8.08 Green Build Design Concept & Application	0.30		0.26	
6.6.8.09 Gymkhana Fees (Lib)	0.01		0.95	
6.6.8.10 Indo Us Science & Technology	0.00		-	
6.6.8.12 IEE 2012 Vnit Centre	0.06		0.06	
6.6.8.13 Lapsed Deposit	93.82		83.93	
6.6.8.14 R & D	(0.08)		17.48	
6.6.8.15 Refundable Excess Receipts	3.35		0.15	
6.6.8.16 Spectris Tech. Pvt. Ltd. (TEQIP)	6.18		6.18	
6.6.8.17 Education Loan	0.00		1.43	111.30
TOTAL (SCH 6.3)		105.48		413.32
		440.89		

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VIVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCH 6.4

SCHEDULE 6 - CURRENT LIABILITIES & PROVISION

A. CURRENT LIABILITIES	CURRENT YEAR	PREVIOUS YEAR	(Rs. In Lakhs)
6.6.8.18 Unclassified Deposits	5.44	8.76	
6.6.8.19 CSAB 2013	0.00	-	
6.6.8.20 CCMT (M. Tech Admission)	0.70	-	
6.6.8.21 Deposit For Industry Inst. Interaction	0.06	-	
6.6.8.22 G A Bhalave	0.20	-	
6.6.8.23 A D Pofale	0.40	-	
6.6.8.24 State Cheque	0.00	-	
6.6.8.25 Fees Received In Advance	450.12	1.27	
6.6.8.26 Gate 2013	0.00	255.74	
WORKSHOP	456.92	0.58	266.35
6.8.01 "Stp On Ramase-2013"			
6.8.01 Biologically Insp. Engg. W/S	1.00		
6.8.02 Iste Workshop (U A Deshpande)	0.10	1.00	
6.8.03 45 Days Research Project (Sam)	0.30		
6.8.04 Aakash Android Workshop (A. Tiwari)	1.17		
6.8.05 STTP On Adv In Separation Process (Asp 2013)	1.34		
6.8.06 STTP On Analogue Electronics (Vinay K)	1.05		
6.8.07 ISTE Workshop On "Analog Electronics	0.10		
6.8.08 ISTE Work. On Res. Meth. In Educ. Tech. Mumbai	0.07		
6.8.09 Workshop On "Cam Tools" (Y M Puri)	0.90		
6.8.10 STTP On "Adv Course On Finite Elem Method"	0.65		
6.8.11 STTP On Mat Synthesis To Div Appt (Msda) 13	1.97		
6.8.12 Workshop On "Green Build. Awareness"	0.03		
6.8.13 Engg Mech Main Workshop 26 Nov To 6 Dec 13	0.55		
6.8.14 Nmeict Work On Signals & Systems (Bsu)	0.37		
6.8.15 STTP On "Ana-App. Of Spect. Chro. (AASC-2013)	0.00		
6.8.16 Engg. Thermo Dynamics W/S (VRK)	0.00		
6.8.17 ACSME-2013 Workshop (PPC)	1.05	(0.48)	0.52
6.8.18 National Conference On AEP 2014(D Z Shende)	0.88		
6.8.19 Workshop On "CFD Fundamental & S/W Training"	0.18		
6.8.20 STTP On SEISMIC Analysis & Design of RC Build	0.80		
6.8.21 STTP Course on Adsorptive Separation	0.17		
TOTAL (SCH 6.4)	469.60	12.68	266.87

NAGPUR

24 April, 2014

REGISTRAR

13

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014
SCH 6.5

(Rs. In Lakhs)

SCHEDULE 6 - CURRENT LIABILITIES & PROVISION		CURRENT YEAR		PREVIOUS YEAR	
A. CURRENT LIABILITIES					
B. PROVISIONS					
1. For Taxation				-	
2. Gratuity				-	
3. Superannuation / Pension				-	
4. Accumulated Leave Encashment		14.00		449.71	
5. Expenses Payable					
6. Trade Warranties / Claims		4.68	18.68	-	
7. Other (Specify)				0.67	
8. Pension Contribution Payable				0.97	451.35
9. Leave Salary Payable					
6.4 Transfer					
3.41 Ugc Dae (Arb)		0.00			
6.4.2 Teqip		0.00		0.06	0.06
6.4.3 Dd Fund Vnit		0.00			
6.4.4 3.30 R& D Nrrda (Djk)		0.00		0.05	0.05
6.D1 D D Fund (Gymkhana)		0.00			
R & D Liabilities					
Provision		0.57			
Institute Liability		5.81		0.79	
Security Deposit (3.18 FIST - I PMP)		0.50		0.50	
Security Deposit (3.26 Hindanio Co.)		0.31		0.17	
State Cheque		65.69		28.79	
R & D Interest & Others				(17.48)	12.77
Margin Money / Institute A/c. 288		4.35	77.23		
Unclassified Deposits					
TOTAL (B)			95.91		464.23
TOTAL (SCH 6.5)					

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISHVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCH 6.6

SCHEDULE 6 (3) - HEAD OF ACCOUNTS							(Rs. In Lakhs)	
	SCHOLARSHIP	31 GENERAL	36 SALARY	CPHEEO	CURRENT YEAR	PREVIOUS YEAR		
a) Opening balance of the funds								
Total (a)	23.84	0.00	0.00	0.09	23.93	78.39		
b) Additions to the Funds:	23.84	0.00	0.00	0.00	23.84	78.39		
i. Donation / Grants								
ii. Income from Investments made on of funds								
iii. Accrued Interest on Investments of the funds								
iv. Other additions (specify nature)								
Total (b)	492.71	0.00	0.00	0.00	492.71	237.27		
TOTAL (a+b)	492.71	0.00	0.00	0.00	492.71	237.27		
c) Utilisation/Expenditure towards objectives of funds	516.55	0.00	0.00	0.09	516.64	315.66		
i. Capital Expenditure								
- Fixed Assets								
- Others								
Total								
ii. Revenue Expenditure								
- Salaries, Wages and allowances etc./ Stipend						291.10		
- Rent								
- Other Administrative expenses	291.29	0.00	0.00	4.40	295.69	0.63		
Total	291.29	0.00	0.00	4.40	295.69	291.73		
TOTAL (c)					291.73			
NET BALANCE AS AT THE YEAR-END (a+b-c) [SCH 6.6]	225.26	333.37	(2,072.84)	(4.31)	(1,518.52)	23.93		

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

Sch 6.7

(Rs. In Lakhs)

HEAD OF ACCOUNT		OPENING BALANCE		TRANSACTIONS DURING THE YEAR		CLOSING BALANCE	
		DR.	CR.	DR.	CR.	DR.	CR.
GRANTOR							
WCL	6.02	-	0.36	-	-	-	0.36
	6.08	-	0.96	-	-	-	0.96
	6.03	-	0.23	-	-	-	0.23
MCIT	6.14	8.35	-	4.64	1.52	11.46	-
	6.04	-	5.69	5.99	-	0.30	-
	6.09	-	2.13	2.13	-	-	-
		-	-	-	-	-	-
MPCB	6.11	-	1.20	-	-	-	1.20
	6.31	-	3.07	-	-	-	3.07
	6.32	-	0.31	6.45	7.05	-	0.90
	6.33	-	6.09	5.04	7.05	-	8.10
	6.43	-	85.18	6.35	-	-	78.84
		-	-	-	-	-	-
KVIC	6.12	-	5.09	8.12	25.66	-	22.63
		-	-	-	-	-	-
IGCAR	6.15	-	0.20	0.20	-	-	-
MST	6.18	-	2.10	23.39	23.07	-	1.78
	6.21	-	26.50	16.58	1.39	-	11.31
	6.38	-	1.90	3.54	4.00	-	2.37
	6.52	-	11.71	12.11	0.46	-	0.06
	6.23	-	0.71	0.71	0.00	-	-
	6.26	-	0.00	0.00	-	-	-
	6.27	-	0.13	0.50	-	0.37	-
DAE	6.19	-	2.35	1.17	15.77	-	16.96
	6.39	-	12.93	14.62	-	1.69	-
	6.50	-	7.48	6.27	4.69	-	5.89
	6.53	-	7.83	3.81	-	-	4.03
RGSTC	6.22	-	8.55	11.30	2.75	-	-
	6.24	-	118.46	66.83	-	-	51.63
		-	-	-	-	-	-
SERB	6.25	-	0.46	0.59	-	0.13	-
	6.46	-	15.62	15.61	0.17	-	0.18
	6.48	-	4.22	3.78	4.90	-	5.34
	6.55	-	-	19.32	21.50	-	2.18
	6.56	-	-	1.19	6.29	-	5.10
	6.57	-	-	0.92	14.00	-	13.08
	6.58	-	-	0.82	14.20	-	13.38

HEAD OF ACCOUNT			OPENING BALANCE		TRANSACTIONS DURING THE YEAR		CLOSING BALANCE	
			DR.	CR.	DR.	CR.	DR.	CR.
		6.61	-	-	0.39	6.00	-	5.61
		6.65	-	-	-	10.32	-	10.32
		6.66	-	-	0.50	28.54	-	28.04
			-	-	-	-	-	-
MRD		6.28	-	0.62	-	-	-	0.62
			-	-	-	-	-	-
KRRD Agency New Delhi		6.29	-	0.76	-	-	-	0.76
		6.30	-	0.26	-	-	-	0.26
			-	-	-	-	-	-
CSIR		6.35	-	3.45	7.96	5.76	-	1.24
		6.49	-	2.91	6.95	2.66	0.47	-
			-	-	-	-	-	-
BRNS		6.36	-	1.11	1.27	-	0.16	-
		6.44	-	12.21	6.41	-	-	5.80
		6.60	-	-	-	20.25	-	20.25
			-	-	-	-	-	-
MDAE		6.51	-	2.69	2.76	-	0.08	-
			-	-	-	-	-	-
NPSS		6.37	2.88	-	2.64	7.25	-	1.73
			-	-	-	-	-	-
MOIL LTD.		6.40	-	18.14	2.70	-	-	15.44
			-	-	-	-	-	-
UGC-DAE Consortium for Sci. Research		6.41	0.19	-	2.18	2.94	-	0.57
		6.42	-	0.90	2.96	1.85	0.20	-
			-	-	-	-	-	-
DRDO		6.45	-	133.40	129.93	5.57	-	9.04
			-	-	-	-	-	-
Mahindra EPC Service Pvt.Ltd.		6.47	-	2.44	-	-	-	2.44
			-	-	-	-	-	-
HSMI		6.54	-	-	5.53	7.36	-	1.83
			-	-	-	-	-	-
IRIG		6.59	-	-	3.14	3.14	-	-
		6.64	-	-	-	9.50	-	9.50
			-	-	-	-	-	-
IIIT Sharda University Research Award		6.62	-	-	0.03	9.16	-	9.13
			-	-	-	-	-	-
ER & IPR		6.63	-	-	-	0.50	-	0.50
			-	-	-	-	-	-
ITI Bombay		6.67	-	-	-	16.00	-	16.01
			-	-	-	-	-	-
Total Amount			11.42	510.37	416.40	291.27	14.86	388.69
Total Balance				498.95				373.83

NAGPUR

24 April, 2014

REGISTRAR

17

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

(Rs. In Lakhs)										
SCHEDULE 7 - FIXED ASSETS DESCRIPTION		GROSS BLOCK			DEPRECIATION (A.S.6)		NET BLOCK			
	Cost/ Valuation as beginning of the year	Additions during the year	Deductions during the year	Cost/ Valuation at the year end	As at the beginning of the year	On Additions during the year	On Deductions during the year	Total up to the year end	As at the Current year	As at the Previous year
				[A]				[B]	[A-B]	
7.1 INTANGIBLE ASSETS [A]										
7.1.1 Patents	0.26	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.26	0.26
7.1.2 Software	0.00	96.89	0.00	96.89	0.00	11.68	0.00	11.68	85.21	0.00
TOTAL [a]	0.26	96.89	0.00	97.15	0.00	11.68	0.00	11.68	85.47	0.26
7.2 TANGIBLE ASSETS [B]										
7.2.01 LAND										
a) Freehold	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01
b) Leasehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.2.02 BUILDING: (5%)	7,271.96	3,918.67	0.00	11,190.63	363.60	6.02	0.00	369.62	10,821.01	7,271.96
7.2.03 Science Equipments	0.00	139.40	0.00	139.40	0.00	37.72	0.00	37.72	101.67	0.00
7.2.04 Equipments / Plant & Machinery										
7.2.05 Furniture & Fixtures	263.87	66.40	0.00	330.27	65.97	10.43	0.00	76.40	253.88	263.87
7.2.06 Computer & Peripherals	369.94	200.99	0.00	570.93	147.90	39.77	0.00	187.67	383.18	369.94
7.2.08 Vehicles	0.44	0.00	0.00	0.44	0.11	0.00	0.00	0.11	0.33	0.44
7.2.09 Library Books	222.27	136.90	0.00	359.17	111.14	24.39	0.00	135.52	223.65	222.27
7.2.10 Electrical Installation/ Appliance										
7.2.11 Office Equipments	41.73	6.18	0.00	47.91	16.69	0.53	0.00	17.22	30.69	41.73
7.2.12 Crockery	0.00	4.54	0.00	4.54	0.00	4.54	0.00	4.54	0.00	0.00
7.2.13 Wireless Network	1.88	0.00	0.00	1.88	0.75	0.00	0.00	0.75	1.13	1.88
7.2.14 EPBAX / Installation	19.78	0.00	0.00	19.78	7.91	0.00	0.00	7.91	11.87	19.78
7.2.15 VNIT Web Sit	0.25	0.00	0.00	0.25	0.10	0.00	0.00	0.10	0.15	0.25
7.2.17 Robot Acuator 6 PCS	0.00	0.20	0.00	0.20	0.00	0.06	0.00	0.06	0.14	0.00
7.2.18 Tubewells	25.49	8.90	0.00	34.39	1.27	0.16	0.00	1.43	32.97	25.49
7.2.19 NIT Review Committee (Assets)										
	0.00	0.70	0.00	0.70	0.00	0.14	0.00	0.14	0.56	0.00
TOTAL [b]	9,341.79	5,098.67	19.90	14,420.56	1,047.49	199.79	4.00	1,243.27	13,177.30	9,341.79
TOTAL [a + b]	9,342.05	5,195.56	19.90	14,517.71	1,047.49	211.47	4.00	1,254.95	13,262.77	9,342.05
7.3.1 Work In Progress (Building)										
7.3.2 Work In Progress (Equipments)	3,686.59	1,766.86	3,782.88	1,670.57	0.00	0.00	0.00	0.00	1,670.57	3,686.59
7.3.3 Vehical (WIP)	1.68	274.16	139.56	136.28	0.00	0.00	0.00	0.00	136.28	1.68
	0.00	14.00	0.00	14.00	0.00	0.00	0.00	0.00	14.00	0.00
TOTAL [c]	3,688.27	2,055.02	3,922.44	1,820.85	0.00	0.00	0.00	0.00	1,820.85	3,688.27
7.2.07 DD Fund Assets										
7.2.08 Gymkhana Assets	0.84	0.00	0.00	0.84	0.33	0.00	0.00	0.33	0.51	0.84
	4.39	1.28	0.00	5.67	1.76	0.10	0.00	1.87	3.80	4.39
TOTAL [d]	5.23	1.28	0.00	6.51	2.09	0.10	0.00	2.20	4.31	5.23
TOTAL [a + b + c + d]	13,035.55	7,251.86	3,942.34	16,345.07	1,049.58	211.57	4.00	1,257.15	15,087.93	13,035.55

NAGPUR
24 April, 2014

REGISTRAR
18

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 8 - INVESTMENTS

Sch 8.1

(Rs. in Lakhs)

EARMARKED / ENDOWMENT FUNDS		CURRENT YEAR	PREVIOUS YEAR
1. In Central Government Securities			
2. In State Government Securities			
3. Other Approved Securities			
4. Shares			
5. Debentures and Bonds			
6. Others (to be specified)			
8.1 CORPUS INVESTMENT			
B.1.1 Canara Bank VNIT	100.55		51.57
B.1.2 State Bank of India	5,575.48		3,272.50
B.1.3 Canara Bank Gandhi-Nagar	410.75		227.30
		6,086.78	3,551.37
8.2 NON-PLAN INVESTMENT			
B.2.1 Canara Bank VNIT	204.49		300.00
B.2.2 State Bank of India	5.00		495.00
B.2.3 Canara Bank Gandhi-Nagar	1,000.00		1,556.67
		1,209.49	2,351.67
8.3 OTHER INVESTMENT			
Mess	198.00		100.37
CSEM	1.84		1.84
Institute Project Dev. Fund	1.94		1.78
Recent Library	0.70		0.70
Student Aid Fund	13.00		13.00
	215.48		117.69
		7,511.75	6,020.73

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

(Rs. in Lakhs)

Sch 8.2

NAGPUR
24 April, 2014

DIRECTOR

DEAN (P&D)

REGISTRAR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 9 - CURRENT ASSETS		Sch 9.1	(Rs. In Lakhs)
CURRENT ASSETS	CURRENT YEAR	PREVIOUS YEAR	
9.1. STOCK			
9.1.1) Store and Spares,			
9.1.2) Loose Tools,			
9.1.3) Publications			
9.2. SUNDRY DEBTORS			
9.2.1) Debts Outstanding for a period exceeding six months			
9.2.1 CSIR Fellowship			
9.2.2 Dhirendr Kumar Dixit	0.32	0.32	
9.2.3 R & D DST 3.48 SKG	(0.12)	10.68	
9.2.4 R & D DST 3.49 SKG		3.70	
9.2.5 R D Sharma		0.08	
9.2.6 Smt. Pratima S Kolte	0.13	0.33	
9.2.7 Smt. Suman P Ambhore	0.53	0.64	
9.2.8 Smt. Sumitra N. Dharbade	0.03	0.09	
9.2.9 Smt. Susuma Mate	1.87	2.01	17.85
9.2.13 R & D 6.45 (DRP)	5.77		
9.2.16 Smt. Malibai V Selokar	0.01		
9.2.17 Smt. Sarita N Tabhane	0.05	8.59	
9.3. CASH BALANCE IN HAND	-	-	
9.4. BANK BALANCES			
Canara Bank			
A/c. No. 0265201011772	256.74		56.44
A/c. No. 3124201000005	247.14		9.80
A/c. No. 3124201000008	0.75		0.76
CLTD A/c. No. 31412317591	-		7.50
Margin Money	172.55		88.41
State Bank of India			
A/c. No. 10259420288	(249.60)		(3,390.19)
A/c. No. 10259420299	10.55		35.99
A/c. No. 10259420302	55.17		56.62
A/c. No. 10259420798	50.51		97.39
A/c. No. 10259420801	13.89		31.92
A/c. No. 10259420812	-		0.74
A/c. No. 10259420823	-		0.56
A/c. No. 10259420834	-		0.68
A/c. No. 10259420845	-		0.26
A/c. No. 10259420856	-		0.88
A/c. No. 10259420867	-		0.14
A/c. No. 10259420878	-		0.25

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 9 - CURRENT ASSETS		Sch 9.1		(Rs. In Lakhs)
CURRENT ASSETS				
A/c. No. 10259420889	-			0.66
A/c. No. 10259420890	-			0.28
A/c. No. 30009217911	341.73			897.04
A/c. No. 30057831492	8.26			20.91
A/c. No. 30057831695	2.78			53.17
A/c. No. 30057831822	8.43	918.90		21.08
TOTAL		927.49		(2,008.71) (1,990.86)

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

(Rs. In Lakhs)

Sch 9.2

SCHEDULE 9 - CURRENT ASSETS

CURRENT ASSETS			
9.5. Transfer			
9.5.01 Gymkhana (DD Fund)			0.05
9.5.02 TEQIP II	0.04		0.01
9.5.03 R & D (DD Fund)	10.00		10.00
9.5.04 VNIT DD Fund		10.04	0.06
			10.12
9.6 Workshop			
9.6.01 Comp Aided Des of Pip& Net Wat Sewage	-	0.65	
9.6.02 STR. Design on Water Treatment Plant	-		1.24
9.6.03 Water Treatment Plant Design	-	-	0.56
			2.45
9.7 3.18 Flst (PMP)			(15.37)
9.8 Central Govt. Recurring Grant Receivable			500.00
9.9 Mizoram A/c.	1.60	1.60	1.60
9.10 Pension Contribution Receivable		6.19	6.19
9.11 Leave Salary Contribution Receivable	14.94	14.94	4.21
R & D Assets			
Loans & Advances	1.20		1.15
Bank Accounts	136.81		17.59
Margine Money 3.14			6.63
Margine Money 3.48			(10.68)
Margine Money 3.49			(3.70)
Margine Money Plan Grant			(0.10)
TEQIP II			0.19
Institute Assets	0.21		
VNIT (Rent)	0.48		
		138.70	
		165.28	
TOTAL		1,092.77	
TOTAL (Sch 9.1+Sch 9.2)			520.28
			(1,470.58)

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 10 - LOANS, ADVANCES & DEPOSITS		Sch 10.1		(Rs. In Lakhs)	
LOANS, ADVANCES & DEPOSITS		CURRENT YEAR		PREVIOUS YEAR	
10.1. Advance to Employees : (Non-interest bearing)					
10.1.1) Salary					
10.1.2) Festival		2.69		2.98	
10.1.3) LTC Advance		2.47		2.36	
10.1.4) Medical Advance		0.75		0.78	
10.1.5) Recoverable Advance		13.09	19.00	19.43	25.55
10.2. Long Term Advances to Employees					
(Interest bearing)					
10.2.1) Vehicle loan					
10.2.2) Home loan					
10.2.3) Others (to be specified)					
10.3. Advances and other amounts recoverable in cash or in kind or for value to be received					
10.3.1) On Capital Accounts					
10.3.2) To suppliers					
10.3.3) Others					
10.4. Prepaid Expenses					
10.4.1) Insurance					
10.4.2) Other Expenses					
10.5. Deposits					
10.5.01) Telephone					
10.5.02) Lease Rent					
10.5.03) MSEDCL Nagpur (SD)		28.41		26.87	
10.5.04) Security Deposit With NMC				0.20	
10.5.05) MCI, if applicable					
10.5.06) Others (to be specified)					
10.5.07) Advance to CPWD		3,551.89		3,652.59	
10.5.07) FD 32846538664 SHEELA CATERERS (SD)		0.50			
10.5.08) Allied Gas Traders		0.02		0.01	
10.5.09) HT Meter		5.03		5.03	
10.5.11) Water Meter		1.00	3,586.85	1.00	3,685.70
Total			3,605.85		3,711.25

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 10 - LOANS, ADVANCES & DEPOSITS		Sch 10.2		(Rs. in Lakhs)	
LOANS, ADVANCES & DEPOSITS		CURRENT YEAR		PREVIOUS YEAR	
10.6. Income Accrued					
10.6.1) On Investments from Earmarked / Endowment Fund					
10.6.2) On Investments Non-Plan		35.28	35.28	182.71	182.71
10.6.3) On Loans and Advances					
10.6.4) Others					
10.7. Other Receivable					
10.7.1) Debit balances in Sponsored Project					
10.7.2) Debit balances in Fellowship & Scholarship					
10.7.3) Grant Recoverable					
10.7.4) Other Receivable					
10.8. Claims Receivable					
10.9 Pre-Paid Expenses		28.86	28.86	17.34	17.34
Total			64.14		200.05
TOTAL (Sch 10.1 + Sch 10.2)			3,669.99		3,911.30

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

Rs. In Lakhs)

SCHEDULE 11 - ACADEMIC RECEIPTS	CURRENT YEAR		PREVIOUS YEAR	
11.1 ACADEMIC				
11.1.1 Tuition Fees	1,445.32		1,571.16	
11.1.2 Admission Fee				
11.1.3 Enrolment Fee				
11.1.4 Library Admission Fee / Fine	24.46		20.20	
11.1.5 M.Sc Admission 2013	4.42			
11.1.5 Laboratory Fee				
11.1.6 Art & Craft Fee				
11.1.7 Registration Fee	14.75		10.75	
11.1.8 Syllabus Fee				
		1,488.95		1,602.11
11.2 EXAMINATION				
11.2.1 Admission Test Fee				
11.2.2 Annual Examination Fee	40.17		34.36	
11.2.3 Mark Sheet, Certificate Fee				
11.2.3 Transcript	2.23		2.40	
		42.40		36.76
11.3 OTHER FEES				
11.3.1 Identity Card Fee	1.91		1.85	
11.3.2 Fine / Miscellaneous Fee	0.02			
11.3.6 Internet & Comp. Maint. Fee	20.27		17.53	
11.3.7 Inter University Cultural Activity	1.97		1.63	
11.3.8 NASA Fee	0.01		0.01	
11.3.9 Convocation Fee	2.90		2.04	
11.3.10 Industry Inst. Interaction	8.07		7.86	
11.3.11 Training & Placement Fee	4.43		4.62	
11.3.12 Development Fee	22.05		5.80	
11.3.13 Retention Fee	8.23		6.55	
11.3.14 Gym Annual Day & Magg. Fee	7.92			
11.3.15 Fine	0.05		0.00	
11.3.16 Direct Admission Student in Abroad	2.00		0.00	
11.3.17 Summer Term Course	3.24		2.99	
11.3.18 Distance Education Programme	0.16		0.03	
		83.23		50.91
11.4 SALE OF PUBLICATIONS				
11.4.1 Sale of Syllabus and Question Paper, etc.				
11.4.2 Sale of Prospectus including admission form				
TOTAL		1,614.58		1,689.78

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 12 - GRANT & DONATIONS

GRANTS		Rs. In Lakhs)	
CENTRAL GOVERNMENT	CURRENT YEAR	PREVIOUS YEAR	
12.1 Non-Plan Grant (31 General)			
12.1 Non-Plan Grant (36 Salaries)		4,310.24	
12.1 Plan General Stipend Appropriation	558.40		
12.2 Non-Plan Grant 31 Gen-Appropriation	987.51		
12.3 Non-Plan Grant 36 Salary-Appropriation	5,193.48		
12.4 Plan Grant SC Recurring Appropriation	8.58		
TOTAL	6,747.97		4,310.24

SCHEDULE 13 - INCOME FROM INVESTMENTS

Investment from Earmarked / Endowment Fund		(Rs. In Lakhs)	
CURRENT YEAR	PREVIOUS YEAR		
1. INTEREST			
a) On Govt. Securities			
b) Other Bonds / Debentures			
2. INCOME RECEIVED			
3. INCOME ACCRUED			
4. OTHERS (Specify)			
TOTAL			

Note: During 2013-14 Rs.14,55,00,000 was received on account of Non-Plan Grant (31-General) and adjusting opening balance and expenditure of Rs.11,21,62,721 was incurred and Rs.3,33,37,279 remains unspent and Rs.39,45,00,000 was received as Non-Plan Grant ((36 Salaries) and an expenditure of Rs.60,17,84,168 was incurred leaving a deficiency of Rs.20,72,84,168. The unspent balance / deficiency is shown at Sch. 6.6 Page No. 15

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

Rs. In Lakhs)

SCHEDULE 14 - OTHER INCOME		CURRENT YEAR		PREVIOUS YEAR	
OTHER INCOME					
14.1 INCOME FROM LAND & BUILDING					
14.1.1	Water Consumption	47.59		10.52	
14.1.2	Licence Fee	7.61		11.46	
14.1.3	Guest House Rent	16.33		15.46	
14.1.4	Shop, Canteen, Bank & Post Office Rent	3.81		3.27	
14.1.5	Electricity Consumption	166.69		31.33	
14.1.6	Play Ground	0.12			72.04
14.1.7	Schemes Overheads		242.15		
14.2 HOSTEL RECEIPTS					
14.2.1	Hostel Dues	20.46		13.87	
14.2.2	Hostel Room Rent	78.25		60.10	
14.2.3	Hostel Fee	1.30			
14.2.4	Hostel Fine	0.10		0.03	
14.2.5	Hostel Depreciation	0.01			
14.2.6	Hostel Add. Mess Advance	1.49		81.33	
14.2.7	Hostel Allied Services	78.16		1.45	
14.2.8	Hostel Recreation	2.98		1.49	
14.2.9	Hostel Welfare	0.00		4.23	
14.2.10	Hostel Crockery	5.94			
TOTAL			188.69		162.50
			430.84		234.54

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 14 - OTHER INCOME		Sch. 14.3		Rs. In Lakhs)	
OTHER INCOME	CURRENT YEAR	PREVIOUS YEAR			
14.6 DD Fund					
12.1 Visit Charges Receipts	1.93	1.62			
12.2 Service Tax Receipts	0.00	28.53			
12.3 Testing Receipts	17.58	59.38			
12.4 Consultancy Receipts	256.35	232.97			
12.5 Consumables Receipts	1.49	4.17			
12.6 Report Writing	0.55	0.63			
Total	277.90				327.30

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS		Sch. 15.1	Rs. In Lakhs)
PARTICULARS	CURRENT YEAR	PREVIOUS YEAR	
15.01. SALARIES & WAGES			
15.01.01 Non Teaching Deputationist	9.55	14.84	
15.01.02 Visiting Doctors / Faculty	22.80		
15.01.03 Salary Faculty Staff (Regular)	1,261.39	1,347.01	
15.01.04 Non Teaching Staff (Reg)	30.23		
15.01.05 Salary Class Iii	321.85	304.77	
15.01.06 Salary Support Staff	220.66	227.50	
15.01.07 Salary Faculty (Nps)	801.83	730.35	
15.01.08 Salary Class Iii (Nps)	57.37	59.86	
15.01.09 Adhoc Staff (Class Iii)	146.91	112.98	
15.01.10 Salary Class Iv (Nps)	13.79	13.28	
15.01.11 Adhoc Staff (Officers)	83.82	59.97	
15.01.12 Leave Salary Contribution (Dep)	1.23	(5.06)	2,865.50
TOTAL	2,971.43		
15.02 ARREARS DA, SALARY (Due To Increment)			
15.02.01 Arrears Of Da Faculty	24.01		
15.02.02 Arrears Of Da Non-Teach. Deput	0.03		
15.02.03 Arrears Of Da Class Iii	4.84		
15.02.04 Arrears Of Da Support Staff	3.67		
15.02.05 Arrears Of Da Faculty Nps	13.32		
15.02.06 Arrears Of Da Non Teach. (Nps)	0.12		
15.02.07 Arrears Of Da Class Iii Nps	0.95		
15.02.08 Arrears Of Da Support Staff Nps	0.23		
TOTAL	47.17		
15.03 ALLOWANCES & BONUS			
15.03.01(A) Allow / Bonus Faculty (Nps)	0.05		
15.03.02 Allow / Bonus Class Iii	2.51		
15.03.03 Allow / Bonus Support Staff	2.73		
15.03.04 Allow / Bonus Class Iii (Nps)	0.66		
15.03.05 Allow / Bonus Support Staff (Nps)	0.21	6.16	
TOTAL	3,024.76		2,865.50

NAGPUR
24 April, 2014

REGISTRAR	DEAN (P&D)	DIRECTOR
-----------	------------	----------

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS				Rs. In Lakhs)	
PARTICULARS		Sch. 15.2	CURRENT YEAR	PREVIOUS YEAR	
15.04 EMPLOYER'S CONTRIBUTION TO NPS					
15.04.01 New Pension Scheme (Faculty)			70.01	59.64	
15.04.02 New Pension Scheme (Class III)			4.87	4.75	
15.04.03 New Pension Scheme Support Staff			1.22	1.13	
15.04.04 Pension Arrears			17.96		65.52
TOTAL			94.06		
15.05 RETIREMENT & TERMINAL BENEFITS					
15.05.01 Pensioners DA					
15.05.01.01 Arrears of DA Family Pension			5.78		
15.05.01.02 Arrears of DA Pension Class III			6.97		
15.05.01.03 Arrears of DA Pension Class IV			2.41		
15.05.01.04 Arrears of DA Pension Faculty			12.93		
15.05.02 Pension					
15.05.02.01 Commutation of Pension			114.87	31.64	
15.05.02.02 Faculty Pension			458.47	382.03	
15.05.02.03 Family Pension			216.86	195.42	
15.05.02.04 Class III Pension			235.16	218.58	
15.05.02.05 Support Staff Pension			78.49	74.59	
15.05.02.06 Pension Contribution (Dep)			(2.30)	(6.18)	
15.05.02.07 Pension Contribution			0.66		
15.05.02.08 Pension Arrears				10.20	906.28
15.05.03 Encashment Of EI					
15.05.03.01 Encashment Of EI Faculty			90.18		
15.05.03.02 Encashment Of EI Non Teach. Staff			12.05		
15.05.03.03 Encashment Of EI Class III			12.29		
15.05.03.04 Encashment Of EI Support Staff			10.82		
15.05.03.05 Encashment Of EI Faculty (NPS)			0.09		
15.05.03.06 Encashment Of EI				26.35	29.46
15.05.03.07 Encashment Of EI Others				3.11	
TOTAL			1,102.21		1,001.26

NAGPUR
24 April, 2014

DIRECTOR

DEAN (P&D)

REGISTRAR

**Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014**

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS		Sch. 15.3	Rs. In Lakhs)	
PARTICULARS	CURRENT YEAR	PREVIOUS YEAR		
15.05.04 DCRG				
15.05.04.01 Support Staff	21.11			
15.05.04.02 Faculty Staff	82.56			
15.05.04.03 Non Teaching Staff	0.32			
15.05.04.04 Class Staff	18.54			
15.05.04.05 DCRG		18.33		18.33
TOTAL (05)		122.53		
15.06. LTC FACILITY				
15.06.01 Leave Travel Concession Faculty	35.45			
15.06.02 Leave Travel Concession Non Tech Staff	2.80			
15.06.03 Leave Travel Concession Class Iii	2.02			
15.06.04 Leave Travel Concession Support Staff	0.91			
15.06.05 Leave Travel Concession Faculty (Nps)	2.19			
15.06.06 Leave Travel Concession		38.30		38.30
TOTAL (06)		43.37		
15.07 MEDICAL FACILITY				
15.07.01 Medical Reimbursement	47.55			42.61
15.07.02 Health Centre	18.68			20.78
15.07.03 Medical Subscription		66.23		(3.88)
TOTAL (07)				59.51
15.08 CHILDREN EDUCATION ALLOWANCE				
15.08.01 Child. Edu. Allow. Faculty	9.66			
15.08.02 Child.Edu.Allow. Non Teach. Staff	0.15			
15.08.03 Child. Edu. Allow. Class Iii	8.24			
15.08.04 Child. Edu. Allow. Support Staff	2.43			
15.08.05 Child. Edu. Allow. Faculty (Nps)	9.80			
15.08.06 Child. Edu. Allow Class Iii (Nps)	0.73			
15.08.07 Child. Edu. Allow. Support Staff (Nps)	0.47			
15.08.08 Child. Edu. Allow.		31.48		9.93
TOTAL		263.61		126.07

NAGPUR
24 April, 2014

REGISTRAR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS		Sch. 15.3		Rs. In Lakhs)	
PARTICULARS	CURRENT YEAR	PREVIOUS YEAR			
15.09 OTHER SERVICES					
15.09.01 Security Services	192.00	134.47			
15.09.02 Sanitary Services	167.77	141.05			
15.09.03 Horticulture Services	43.16	39.78			
15.09.04 Telephone Reimbursement	15.65	15.02			
15.09.05 Board Of Apprentice Training	2.50	3.50			
15.09.06 Professional Dev Allow.	100.70	98.80			
15.09.07 Electric Maint. Services (Labour)	30.82	0.00			
TOTAL (09)		552.60		432.62	
15.10 HONORARIUM	9.08	26.07		26.07	
STAFF WELFARE EXPENSES					
Aid to Staff Club	1.91				
Aid to Recreation Club	0.31	2.22			
TOTAL		563.90		458.69	
TOTAL (Sch 15.1+Sch 15.2+Sch 15.3+Sch 15.4)		5,202.06		4,451.52	

NAGPUR
24 April, 2014

DIRECTOR

DEAN (P&D)

REGISTRAR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 16 - ACADEMIC EXPENSES

Sch. 16.1

Rs. in Lakhs)

PARTICULARS	CURRENT YEAR		PREVIOUS YEAR	
16.01 Examination				
16.01.01 Examination Exp	17.86		14.38	
16.01.02 Refreshment Of Exam	3.01		2.78	
TOTAL		20.87		17.16
16.02 Others				
16.02.01 Ph.D.Full Time Contingency	13.81		8.71	
16.02.02 Distance Edu. Programme			3.60	
16.02.03 Summer Term Courses			0.00	
16.02.04 Extension Lectures	0.39		0.07	
16.02.05 Student Activity Fund	0.05		0.00	
16.02.06 Other Membership	0.65		0.00	
16.02.07 TA On Attending Conference	0.17		0.43	
TOTAL		15.07		12.81
TOTAL		35.94		29.97

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 16 - ACADEMIC EXPENSES		Sch. 16.2		Rs. In Lakhs)	
PARTICULARS	CURRENT YEAR	PREVIOUS YEAR			
16.03 Gymkhana					
16.03.A. Sports					
16.03.A.01 Chess	0.01	0.02			
16.03.A.02 Athletics	0.01	0.05			
16.03.A.03 Badminton	0.17	0.08			
16.03.A.04 Football	0.04	0.26			
16.03.A.05 Kabaddi	0.03	0.00			
16.03.A.06 Kho-Kho	0.03	0.12			
16.03.A.07 Lawn Tennis	0.30	0.05			
16.03.A.08 Table Tennis	0.02	0.02			
16.03.A.09 Volley Ball	0.25	0.24			
16.03.A.10 Sport League	0.35	0.40			
16.03.A.11 Cricket And Minor Games	0.59	0.45			
16.03.A.12 Departmental /Institute Gathering	0.44	1.17			
16.03.A.13 Gym Coach	1.32	0.04			
16.03.A.14 Basket Ball	0.24	3.14			
16.03.A.16 Inter NIT Tournament	3.44	7.00			
16.03.B. Gymkhana Activities					
16.03.B.01 Student Council	4.42				
16.03.B.02 Stationery	0.32	0.02			
16.03.B.03 Departmental Gathering	0.20				
16.03.B.04 Student Council Confe/Meetings	2.20				
16.03.B.05 Teacher's Day Function	0.03				
16.03.B.06 Eyes Only	0.35				
16.03.B.07 Intramural Program	1.04				
16.03.B.08 Departmental Extramural Lecture		8.56			
TOTAL		15.56			
				0.07	0.07
				3.21	3.21

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 16 - ACADEMIC EXPENSES		Sch. 16.3		Rs. in Lakhs)	
PARTICULARS	CURRENT YEAR	PREVIOUS YEAR			
16.03.E Audit Fee	0.20				
16.03.E Innovation Cell	0.15				
16.04 Tech. Comp. & Edu. Tour	1.06	0.92			
16.05 Laboratory / Consumables Expenses	6.58				
16.06 Payment Of Visiting Faculty	5.04				
16.07 Convocation Expenses	13.41	8.59			
16.08 Seminar And Short Term Course	12.23				
16.09 Stipend M Tech / B Tech/ Ph.D.	558.40				
16.10 Subscription Expenses0.01					
16.11 Excursion Tour,Nit Meets, Freshers Welcome	0.96	4.78			
16.12 Academic Audit	598.60				
16.13. Field Work / Participation (Tech Paper)					
16.14 Survey Project Camp		0.86			
16.15 Research Paper Expenditure		0.11			
16.16 Accreditation Fees		0.14			
TOTAL	598.60			15.40	
TOTAL (Sch 16.1 + Sch 16.2 + Sch 16.3+Sch 16.4)	653.74				57.77

NAGPUR

24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 17 - ADMINISTRATIVE & GENERAL EXPENSES		Sch. 17.1		Rs. In Lakhs)	
PARTICULARS	CURRENT YEAR	PREVIOUS YEAR	CURRENT YEAR	PREVIOUS YEAR	CURRENT YEAR
17.02 Professional Charges					
17.02.01 Legal Expenses	3.91			1.12	1.12
17.02.02 Professional Charges	0.10		4.01		
17.03 Others					
17.03.01 Misc. Exp. (D D Fund)	0.95			0.87	
17.03.02 Boards & Committees	15.99			11.19	
17.03.03 Promotion Of Hindi	1.36			2.12	
17.03.04 Nit Transit House	2.51			1.50	
17.03.05 Nit Review Committee	18.48			15.06	
17.03.06 Audit Fees	1.34			6.49	
17.03.07 Board Of Studies (Bos)	1.05			0.55	
17.03.08 Casual Work	2.37			1.87	
17.03.09 Consumable	29.12			34.50	
17.03.10 Garden / Horticulture Maint.	2.77			0.35	
17.03.11 Maintenance Of Equipm/ Phones	5.11			9.11	
17.03.12 NBA	0.00			0.00	
17.03.13 Liveries	0.83			0.77	
17.03.14 Guest House Service Charges	20.83			0.00	
17.03.15 Abandonment Work	2.28			0.00	
17.03.15 Bank Charges	0.42			0.56	
17.03.16 NSDL Service Charges	0.36			0.31	
17.03.17 Depreciation	2.20		107.97		85.25
TOTAL			111.98		86.37

NAGPUR
24 April, 2014

DIRECTOR

DEAN (P&D)

REGISTRAR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 17 - ADMINISTRATIVE & GENERAL EXPENSES		Sch. 17.3		Rs. In Lakhs)	
PARTICULARS	CURRENT YEAR	PREVIOUS YEAR			
17.04 Electricity & Power	307.42	302.07			
17.05 Water Charges	53.60	54.03			
17.06 Insurance (Including Build.)	11.28	8.00			
17.07 Printing & Stationery	14.66	15.91			
17.08 Travelling & Conveyance	17.28	10.87			
17.09 Postage & Stamps	3.02	2.68			
17.10 Computer Consumables	11.61	8.89			
17.11 Telephone & Internet Charges	38.92	43.74			
17.12 Auditors Remuneration	1.40				
17.13 Advertisement & Publicity	18.99	27.82			
17.14 Miscellaneous Exp	1.85	1.27			
17.15 Hospitality	6.91	7.94			
17.16 Magazines & Journals	46.76	9.44			
17.17 Professional Charges	0.00				
17.18 Aid to Recreation Club	0.00	1.00			
17.19 Aid to Staff Club	0.00	1.94			
17.20 Local Conveyance	0.00	0.66			
17.21 Selection Committee (Director)	0.00	8.50	533.70		504.76
TOTAL (Sch 17.1+Sch 17.2)			645.68		591.13

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 18 - TRANSPORTATION EXPENSES

PARTICULARS	Rs. In Lakhs)	
	CURRENT YEAR	PREVIOUS YEAR
18.1.Vehicle		
18.01 Insurance Expenses (Vehicle)	0.16	0.15
18.01 Running Exp. (Diesel, Petrol, Oil)	0.12	1.16
18.02 Repairs & Maintenance (Vehicle)	1.02	0.50
TOTAL	1.30	1.81

SCHEDULE 19 - REPAIRS & MAINTENANCE

PARTICULARS	Rs. In Lakhs)	
	CURRENT YEAR	PREVIOUS YEAR
19.01 Others		
19.01.1 M & R A.C. & Air Cooler, Fire Equipments	3.88	4.51
19.02 M & R Furniture	9.66	
19.03 M & R Institute Building	124.09	67.68
19.04 M & R Computer / Equipments	80.11	31.70
19.05 M & R Elect. Insta. / Fitting	21.37	50.05
19.06 Cleaning Material & Ser. (Sanitary Exp)	0.14	0.70
19.06.1 Ground Maintenance	6.53	10.32
19.07. Cleaning Materials Repairs	1.60	
19.08 Repairs of Equipments	6.97	
19.09 Repairs of Furniture	8.13	
TOTAL	247.38	180.06

NAGPUR
24 April, 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Name of Entity : VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2014

SCHEDULE 20 - FINANCE COST

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR	Rs. In Lakhs)
Interest on fixed loans			
Interest on other loans			
Bank Charges			
Other (Specify)			
TOTAL			

SCHEDULE 21 - OTHER EXPENSES

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR	Rs. In Lakhs)
D D Fund			
21.01.01 Visit Charges	1.93	1.62	
21.01.02 Consultancy Charges	256.35	233.37	
21.01.03 Consumables	1.49	5.72	
17.01.03 Depreciation	0.00	0.47	
21.01.04 Report Writing	0.55	0.63	
21.01.05 Testing Charges	17.58	59.38	
21.01.06 Service Tax	0.00	28.53	
TOTAL	277.90		329.72

NAGPUR
24 April 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

VISVESVARIA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR
SCHEDULE FORMING PART OF BALANCE SHEET AND INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDING ON 31ST MARCH 2014
Schedule 22 NOTES TO ACCOUNTS

General :

(a) In compliance with the MHRD Instructions in terms of Shri R. P. Sisodia, Joint Secretary (A&HE), D.O. No. 8-2/2012-JIA dated 07th Feb 2012, for implementing of new system of accounting and new uniform Accounting and Reporting format, Schedule numbers as per the new formats have been adopted. Therefore, some expenditure /receipts accounted for in the previous year in different schedules are reclassified and recast in the new formats of schedules. A reconciliation statement linking the previous amounts to the present schedule is separately provided.

(b) In the new account format Corpus fund is defined as Endowment fund, Corpus fund shown under Earmarked Fund in the previous year is now depicted under Schedule 1 as per the new format. Capital fund is defined as General fund in the new format and thus depicted under schedule 2

(c) As required under new common format Gymkhana Account and DD Fund Account are now brought into one consolidated account and grouped and sub-grouped as required. Thus, vouchers are numbered consecutively and not separate folders. However distinction is maintained to denote related transaction of receipt and expenditure. The previous year the accounts were separately maintained and brought together for consolidation

(d) Sponsored Schemes & Project is now depicted as Current Liability as required in the new accounting format and shown under Schedule 6. In the previous year this was shown as Earmarked Fund in Schedule 3.

(e) Direct expenses under Income & Expenditure Account has been now shown as Staff Payment and benefit (schedule 15) Academic expenses (schedule 16) Administrative & General Expenses (schedule 17) Transport expense (schedule 18) and Repair & Maintenance (schedule 19). This was shown in the Previous year as Salary and Non Salary expenses under Schedule 20 and 21.

1. Accounting convention

The financial statements are prepared under the historical cost convention and on the basis of generally accepted Accounting principles in India. Institute's Accounts are maintained on accrual system of accounting in terms of the New System. Accounts maintained for Sponsored Research and Development Funds where Utilization Certificates are to be rendered on a yearly basis, Gymkhana accounts catering for Student Activities and DD Fund account which deals with Testing and Consultancy receipts are maintained on Cash Based system.

2. Revenue recognition

- a) Fees received are accounted on day to day basis in the Daily Fee Register and posted in the classified form in the Ledger Accounts based on periodical summary and recognized only when there is no uncertainty attached.
- b) Interest on deposits is accounted for on as received basis as Investment is from Grants for which Utilization Certificates are required to be rendered and actual receipts including interests are to be reported on a quarterly basis. Therefore, no accrued interest is provided. Besides, as major part of the Revenue is adjusted for contribution to Corpus Fund no accrued interest is provided except for Non Plan Grant Interest. Interest generated from Plan Grant is directly transferred to Corpus Fund as the interest amount is not shown in the UC and is retained by the Institute
- c) Grant in aid received for Capital and Revenue purposes are recognized on as and when received and is accounted as Earmarked Fund.

3. Grant-in-Aid

The grant sanctioned is received in terms of GFR 211 and 212(1) Note 2 there-under and appropriated towards creation of assets and operational and maintenance (revenue) purposes. Grant for acquisition of fixed assets is recognized by capital approach and presented as Grant for creation of Capital Assets in financial statements. The value of assets acquired out of Plan Grant is accounted as Plan Grant Liability for Assets complying with the AS 12. The amount equal to the Operation and maintenance expenditure is recognized as Revenue receipt and taken to Income and expenditure Account.

4. Fixed Assets

The Net book value of Fixed Assets are revalued and computed in terms Accounting Standard 10 (AS 10).

5. Depreciation

The Depreciation as per Accounting Standard 6 (AS 6) is provided at "written down method" and at historical cost. Depreciation is applied to the related Asset at the rate as per AS 6. Percentage of depreciation is shown in Schedule 7 against each Asset. Depreciation amount in respect of assets procured from Plan grant is transferred to Plan Grant Liability for Assets. The Depreciation in respect of Assets procured out of Plan Grant does not affect the surplus / deficit for the year. However Depreciation applied on Assets procured from DD fund and Gymkhana is indicated in the Income and Expenditure Account.

6. **Investments :**

Institute has invested temporary surplus in Bank Fixed Deposit Receipts, keeping the directives and the guidelines provided by the Govt. of India, Ministry of Human Resource Development on the subject. Investments are stated at cost.

7. **Contingent Liability**

No significant contingent liability is noticed. Therefore no provision is made for contingent Liability

8. **Corpus Fund :**

This fund is created in compliance with Government of India, Ministry of Human Resource Development Department of Secondary and Higher Secondary Education, New Delhi letter no. F 21-7/2006-TS III dated 31 March 2006. This fund is in the nature of Endowment Fund created out of Fees of Capital nature, Institute's share of Testing and Consultancy receipts and other designated receipts and set aside funds. This fund will be administered as per Guidelines. In the Previous Year Corpus Fund was forming part of Schedule 3 and is now shown under Schedule 1 in terms of the new format. Out of the surplus of the year 2013-14, contribution has been made the Corpus Fund

On 1 April 2013 the Corpus fund was Rs.35,78,75,207. Earlier certain amounts were set aside for meeting expenditure for Needy students aid, Inter disciplinary Project and for one time best journal paper, Social Aspect and House Building Advance to Staff from the interest generated from the Corpus Fund investment. It was later decided to withdraw the following amounts set aside a) Assistance to needy student (@20% Rs.94,74,645) b) Inter disciplinary Project (@25%) Rs1,36,32,704) c) On time best journal paper (@20% Rs.109,06,163) d) Social aspect (@10% Rs.54,53,081). Interest generated from Plan Grant Rs.25,64,595 and on Corpus Fund Rs.2,83,39,150 were added to the Corpus Fund. Recoveries made from staff on account of House Building advance is further addition while Advance to staff of Rs. 94,74,645 was also made. The following further addition were made to Corpus Fund in the year 2013-2014. Addition from surplus from 2012-13 and 2013-14 Income and Expenditure Account Rs.9,82,03,935 and Rs.16,00,00,000 respectively were also made. Thus, the present Corpus Fund stands at Rs.75,94,12,800.

9. **General Fund :**

Surplus of Income and Expenditure of the year is transferred and depicted as General Fund and depicted under Schedule 2. In the previous year this was designated as Capital fund and shown under Schedule I.

10. Designated/Earmarked Fund

Funds are divided into three distinct classes 1) Institute 2) DD Fund and 3) Gymkhana. Earmarked fund created out of Institute's fund is separately shown and that from DD fund and Gymkhana funds are separately shown.

11.(A) Plan Grant:

Grant in aid is sanctioned as grant for acquisition of capital assets, general activity and for salary. It is further divided in to grant for ST and SC promotion. Therefore the Grant is accounted for in the classification in which the same is granted. Expenditure from these Grant or apportioned in relation to the ratio of number of students SC, ST to the total. Thus Salary and General Grant is apportioned and depicted as Income in the Income and Expenditure account and charged off from Plan/Non Plan Grant Account respectively. Similarly, expenditure on account of acquisition of assets is charged off Plan Grant Account and transferred to Plan Grant Liability for Assets Account. This done to distinguish value of assets procured from Plan Grant Account and reduced by Depreciation charged. The remaining balance either surplus or deficiency is indicated in the Utilization Certificates rendered for each grant.

In the previous year the plan Grant Account was designated as Plan Grant Reserve Account and Plan Grant Liability for Assets was designated as Deferred Credit Liability. In the new Accounting Format, Deferred Credit Liability has not been so classified.

During 2013-14 Plan Grant was received as Plan Grant (112-35 Capital creation) Rs.27,50,73,000, Plan Grant (Recurring 112-31- Stipend Rs.11,94,52,000, Plan Grant SC (non-recurring 789-35) Rs.5,32,38,000, Plan Grant SC (789-31)(recurring 796-31) Rs.2,31,37,000, Plan Grant ST(non-recurring Rs.2,83,40,000 and Plan Grant ST recurring (796-31) Rs.1,32,60,000 was received and Rs.29,10,56,657 on Capital creation, Rs.5,58,39,836 on Stipend, Rs.3,63,90,771 SC Non-recurring, Rs.8,58,361, SC Recurring Rs.33,77,766, ST Non recurring, Rs.13,260,000 and ST recurring was incurred and a total of Rs.48,05,27,957 remains unspent. However out of this unspent an amount Rs.35,86,84,849 was paid to CPWD (out of advance of Rs.36,52,59,181) remains unspent. Thus, out of the unspent only an amount of Rs.44,93,89,008 remains unspent.

11(B) Non Plan Grant

During 2013-14 Rs.14,55,00,000 was received on account of Non-Plan Grant (31-General) and adjusting opening balance and expenditure of Rs.11,21,62,721 was incurred and Rs.3,33,37,279 remains unspent and Rs.39,45,00,000 was received as Non-Plan Grant ((36 Salaries) and an expenditure of Rs.60,17,84,168 was incurred leaving a deficiency of Rs.20,72,84,168.

12 Foreign Currency Transaction

The foreign currency transactions are accounted at the exchange rate prevailing on the date of transactions. Margin money retained by the bank to meet irrevocable Letters of Credit are shown as Current Assets.

13 Stipend

Stipend to students are paid from Plan Grant as per Directives of the MHRD. Stipend was accounted in the previous year as Plan Grant expenditure and stated under Earmarked Fund. In the year 2013-14 stipend amount is shown under expenditure side of Income & Expenditure accounts. Corresponding amount of appropriation from grant is shown at the income side of Income and Expenditure Account. Thus, this amount appears in the Schedule 16.

14 Retirement Benefits

Retirement Benefits of employees appointed prior to the year 2004 and are entitled to Pension and terminal benefits such as Gratuity, Commuted value of Pension, Leave Encashment etc., are shown at actuals as per provisions made by the Institute in the Annual Budget as Grant in Aid and provided for as per orders of the Government of India and paid as per schemes as applicable from time to time.

Employees appointed after 2004 are governed by New Pension Scheme to whom on a monthly basis matching Employer's contribution is paid from the Salary Grant provided under Non-Plan Grant duly budgeted.

15.A Current Assets:

Current Assets is divided into two schedules 9 and 10 one to indicate only Cash and Bank accounts and others for regular current assets to facilitate preparation of Cash flow Statement.

15.B Current Liabilities

For Sponsored R&D Schemes and Projects Sub schedules are maintained in booklet form. In case of Scholarship too separate booklet is made as supporting data.

15C Sundry Creditors for Goods and Services

Booklets are maintained for details of EMD and Security Deposit indicating names of contractors

16. Sponsored Schemes and Projects

Accounts of Sponsored schemes and Projects are maintained on "cash" basis. Temporary surplus pending final utilization is invested on Bank Fixed Deposit Receipts and interest earned are retained to meet excess expenditure if any over and above the Grants received from the Sponsors.

17 Assets created out of Funds provided by Sponsors

Assets procured for R&D projects as per approved project budget are retained in the Institute separately and is not taken into Institute's accounts unless approved by Sponsors.

18 Testing Consultancy Receipts and Expenditure

Testing Consultancy receipts are initially treated as Deposits and as Current Liabilities. When Accounts are settled after completion of Testing/Consultancy assignment the deposits are transferred as Revenue and corresponding expenditure is shown as expenditure.

19 Advance for stores/supply

Whenever required, advance is paid to supplier against Bank Guarantee obtained from Nationalized Banks.

20 Letter of credits

Letters of credit is opened both in cases of foreign/inland procurement from Plan Grant or from Sponsored Schemes and Projects. Margin money set aside by the Bank is so accounted under Current Assets . Expenditure is accounted for on the basis of documents such as Billx, acceptance by user Department after installation and commissioning. Besides advises of settlement of Margin received from Bank also form part of basis for financial adjustment.

21 Depreciation:

Depreciation is charged to Assets at rates laid down in Accounting Standards 6 and transferred to Plan grant liability for Asset Account. Thus Plan grant liability for Asset Account for all Plan Grant expenditure for assets is shown as credit balance. Depreciation is applied as per Accounting Standard 6 and Accounting Standard 12 and debited to Plan Grant Liability for Assets. There is no effect of Depreciation on Assets procured from Plan Grant on the Surplus / Deficit for the year. Besides, value of assets created out of Plan Grant account as reduced by Depreciation matches with the Plan Grant liability for Assets account. Assets procured from DD Fund and Gymkhana Fund is depreciated on the same principles. However such Depreciation is charged to Income and Expenditure Account.

As an accounting practice, Assets received after the 15th of a month is depreciated from the ensuing month and those received prior to 15th of a month is depreciated from the month of receipt even if the number of days are less than a full month.

22. Asset Accounting

Assets procured with a life of more than 3 years and of the value of Rs.50,000.00 only is accounted as assets and is treated as Capital Assets. Assets costing less than Rs.50,000 even if the same has more than 3 years life expectancy is treated as Revenue Expenditure and charged to Income and Expenditure.

Repairs/Renewals to Assets costing less than Rs.50,000 even if the same results in the extension of life and enhances performance will be treated as Revenue Expenditure and charged to Income and Expenditure. Such expenditure exceeding Rs.50,000 which extends life of the Assets and enhances performance will be treated as Capital Expenditure and Accounted as such.

Nagpur
24 April 2014

REGISTRAR

DEAN (P&D)

DIRECTOR

Reconciliation of Previous year's amount

Details of Head of Account	Amount	From	To
Insurance coverage to Students	67669	Liability Schedule 6 7	Earmarked Fund Schedule 3
Plan Grant	360590491	Earmarked 3	Restricted Fund Schedule 4
Plan Grant liability	13030 3169	Earmarked 3	Restricted Fund Schedule 4
Corpus Fund	409358188	Capital Fund 1	Separate Schedule 1
R&D Schemes & Projects	49894626	Earmarked 3	Liability Schedule 6
Gymkhana	965275	Addition to Schedule 3	1628924
Caution Money	1281360	Liability 7	Secured/unsecured loan 5
Library Deposit	2345933	Liability 7	Secured/unsecured loan 5
Library Registration	15000	Liability 7	Secured/unsecured loan 5
Gymkhana Addition to Capital/Reserves and Provision	802464		Schedule 2
	3958535		
Gymkhana	4944		Addition to Liability 6
Scholarship	7766862	Earmarked others 3	Liability 6
CPHEEO	72777	Earmarked others 3	Liability 6
Salary/Non Salary Expenses		Direct Exp 20&21	15,16,17,18 & 19

Totals matches even though the individual heads of account is shifted.

Name of Entity : NATIONAL INSTITUTE OF TECHNOLOGY, Nagpur
CASH FLOW STATEMENT FOR THE YEAR ENDED 31 March 2014

	(RS in Lakhs)
1. Cash Flow from Operating Activities:	
Surplus/(deficit) for the year	498.83
2. Adjustments for the non-operating incomes/expenses	
Depreciation	2.19
Write offs	-
Interest expenses on loans	-
(Interest Income)	(35.32)
(Dividend Income)	-
(Grants relating to assets to the extent recognised as income in the	-
Income & Expenditure Account)	-
	(498.83+2.19-35.32)
	465.70
3. Surplus /(deficit) before changes in the Current Assets/Current Liabilities	
(Increase)/Decrease in Current Assets	742.29
Increase/(Decrease) in Current Liabilities	(1,384.84)
	(1384.84-742.29)
	(642.55)
4. Net Cash from Operating Activities (465.70-642.55)	(176.85)
5. Cash Flow from Investing Activities:	
(Purchase)/Sale of fixed assets	(2,054.58)
(Purchase)/Sale of investments	(1,196.88)
Interest received	-
Dividend received	-
6. Net Cash from Investing Activities (2054.58+1196.88)	(3,251.46)

Name of Entity : NATIONAL INSTITUTE OF TECHNOLOGY, Nagpur
CASH FLOW STATEMENT FOR THE YEAR ENDED 31 March 2014

7. Cash Flow from Financing Activities:		
Additions to general fund during the year	(560.39)	
Grants/funds in nature of founders'/promoters' contribution		
Grants/funds related to assets not requiring fulfillment of any obligation	3,252.67	
Plan Grant	(138.69)	
Designated /Earmarked Funds	3,921.55	
Endowment fund (principal sum)(Corpus)		
Proceeds from long term borrowings		
(Repayment of long-term borrowings)		
Interest paid on loans		6,475.14
8. Net Cash Flow From Financing Activities (3252.67+3921.55-560.39-138.69)		3,046.83
9. Net Increase /Decrease in Cash equivalents ((176.85)+(3251.46)+6475.14)		
10. Cash and Cash equivalent at the beginning of the period		(1,991.12)
(Cash and Bank Opening Balance)		
11. Cash and Cash equivalent at the end of the period		1,055.71
(Cash and Bank Closing Balance)		