

1.0 INTRODUCTION

The Visvesvaraya National Institute of Technology (VNIT), Nagpur 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. Established first as Visvesvaraya Regional College of Engineering (VRCE) in 1960, it was recognized as an 'Institute of National Importance' by an Act of Parliament and thus came to have the name with which it is now known.

1.1 Mission Statement

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

1.2 Objectives

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 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 V.N.I.T. and other NITs all over India. The admission is done on the basis of the rank obtained by the student in All India Engineering Entrance Examination (AIEEE) conducted by Central Counseling Board (CCB) under the Ministry of HRD, Govt. of India.

Post-graduate (PG) Programmes

The Institute offers 14 PG programmes in engineering. GATE-qualified candidates are admitted to these programs based on the rank obtained. Seats that may remain vacant after the admission of GATE-qualified candidates, are offered to non-GATE candidates on the basis of their merit in the written test / interview conducted by the respective departments of the Institute. 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.

2.0 AN OVERVIEW

2.1 Historical Background

The Visvesvaraya National Institute of Technology, Nagpur is one of the thirty National Institutes of Technology in the country. The Govt. of India conferred on the Institute, the *Deemed to be University* status (under University Grants Commission Act, 1956 (3 of 1956))

with effect from 26th June 2002. Subsequently, the Central Govt. by Act of Parliament (National Institutes of Technology Act, 2007 (29 of 2007)) declared VNIT Nagpur as an Institute of National Importance along with all other NITs. The Act was brought into force from 15th August 2007.

Earlier, 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

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 three functional sectors;

- 1.0 Hostels for students,
- 2.0 Academic buildings, Administrative Block, and Library
- 3.0 Residential sector for staff

The academic buildings are located fairly close to both, the hostels and the staff quarters. The campus has a full-fledged computerized branch of State Bank of India with ATM facility, Canara Bank, 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 instructional 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 of 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 platform to hear the views of staff and faculty on grievances. The Special Cell functions to protect the interest of backward-class candidates through procedural, institutional, and other safeguards.

2.5 Academic Programmes

The institute offers under-graduate (UG) and post-graduate (PG) programmes in several departments. The UG programs leading to the B.Tech. degree are of four years duration and are offered in the departments of Chemical, Civil, Computer Science, Electrical & Electronics, Electronics & Communication, Mechanical, Metallurgical & Materials, and Mining engineering. The B.Arch. course run by the Architecture department is of five years duration. The various PG programmes are M.Tech., M.Tech. (by Research), and Ph.D.

Full-time M.Tech. programmes of four semesters duration that are offered by the Institute today number 14. M.Tech. (by Research) programs in all engineering departments and doctoral research in all engineering as well as applied sciences departments also are offered. The institute is a recognized centre under QIP scheme for the three years Ph.D. programs in Electrical & Electronics and Metallurgical & Materials Engineering departments. The candidates selected for full time Ph.D. program are given fellowship as per norms.

2.6 Courses offered :

UG Programs

1. Chemical Engg.
2. Civil Engg.
3. Computer Science & Engg.
4. Electrical & Electronics Engg.
5. Electronics & Communication Engg.
6. Mechanical Engg
7. Metallurgical & Materials Engg.
8. Mining Engg.
9. Architecture

PG Programs

1. Industrial Engg.
2. Heat Power Engg.
3. Materials Engg.
4. VLSI Design
5. Integrated Power Systems
6. Structural Engg.
7. Structural Dynamics & Earthquake Engg.
8. Environmental Engg.
9. Water Resource Engg.
10. CAD-CAM
11. Computer Science & Engineering
12. Urban Planning
13. Power Electronics & Drive
14. Construction Technology & Management

M.Tech. (by Research) / M.Arch. (by Research)

The M.Tech. (by Research) program is offered in Engineering departments viz. Chemical, Civil, Computer Science, Electrical & Electronics, Electronics & Communication, Mechanical, Metallurgical & Materials, and Mining engineering, and the M.Arch. (by Research) program by the Department of Architecture.

Ph.D. (Part / Full Time)

The Ph. D program is offered in all Faculties - Engineering, Science and Humanities and Architecture. In addition, a Ph.D. program under the QIP scheme is offered by the Departments of Electrical Engg. and Metallurgical & Materials Engg.

2.7 Admission Procedure

UG Programs

Central Counseling Board (CCB) constituted by the Govt. of India manages admission to UG programs for AIEEE qualified candidates under Home State and All India quota through a centralized admission process. Reservation of seats is as per Govt. of India rules.

PG Programs

Admission to PG programs is offered to GATE qualified candidates as per merit. Seats that may remain vacant after GATE qualified candidates have been admitted, are offered to non-GATE candidates on the basis of their merit in written test / interviews conducted by the respective departments of the Institute. Students selected under GATE category are given scholarship/stipend as per norms.

Ph.D. (Part / Full Time) and M. Tech. / M.Arch. (by Research) Programmes

The candidates interested in pursuing Ph D (Part / Full Time) and M.Tech. / M.Arch. (by Research) programmes are required to appear for a written test and interview conducted by the respective departments. The candidates are also required to deliver a pre-registration seminar. Only those candidates who are recommended by the Departmental Research Committee (DRC) are allowed to register. The registration for Ph.D./M.Tech. (by Research) is done twice a year i.e. 15th Jan. and 15th July.

2.8 Students

In the session 2010-11, 758 students (647 male and 111 female) were admitted to UG programs, 192 (161 male and 31 female) to PG programs, 62 (49 male and 13 female) for Ph.D. program and 6 (4 male and 2 female) for M.Tech. (by Research) program.

2.9 Examination & Evaluation

All UG and PG programs of the Institute are run on semester basis. Course evaluation includes two sessional examinations, one end-semester examination and teachers' assessment through tests, quizzes, assignments, seminars etc. Evaluation pattern is Credit Point based Grade System on a 10-point scale. Grades are based on the marks scored by a student in sessionals, end-semester examination, and teachers' assessment taken together. The semester examinations and re-examination are conducted as per the schedule given in the academic calendar. In order to address the grievances of students related to evaluation, a Grievance Committee constituted by the Director follows the approved procedure.

2.10 Placement

The Training and Placement Section provides the necessary guidance to students for career planning and personality development. Campus Interviews with prospective employers are regularly arranged for the placement of students from all branches. These include public and private sector organizations, multinational companies and government organizations. During the academic session 2010-2011, more than 80 % UG students were placed in various organizations well in advance of their final examination.

2.11 Games & Sports

The Institute aims at all-round development of the students. Classes for Physical Education have been included in the regular time-table in order to ensure the required physical fitness. The programme for physical education for first year students includes yoga, weight-lifting, games, and recreation under physical fitness activity. Inter-department matches in various games and track events are held regularly and the response and participation are overwhelming.

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	32	64	126	222
In position	27	50	90	167
Vacancies	5	14	36	55

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 a sanctioned strength at 188 (Technical 133, Ministerial 55) Group "C" employees in the support system in technical and ministerial cadres. Presently, 96 employees in Group "C" and 91 supporting staff are in position.

3.0 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)

Department	Professor	Associate. Professor	Assistant. Professor	Total
Applied Mechanics	2(2)	4(4)	5(5)	11(11)
Applied Physics	1(1)	1(-)	4(4)	6(5)
Architecture & Planning.	3(2)	6(5)	9(9)	18(16)
Chemistry	1(1)	1(-)	4(5)	6(6)
Civil Engg. & Geology	3(3)	6(5)	10(8)	19(16)
Computer Science	2(3)	4(3)	5(5)	11(11)
Electrical Engg.	4(4)	6(6)	11(9)	21(19)
Electronics	3(3)	3(6)	7(6)	13(15)
Humanities	-	1(1)	3(2)	4(3)
Ind. Instt. Interaction	1(-)	-	-	1(-)
Maths	-	2(3)	4(4)	6(7)
Mechanical Engg.	4(4)	8(8)	13(12)	25(24)
Metallurgy	3(3)	4(5)	8(9)	15(17)
Mining	1(1)	2(2)	4(3)	7(6)
Training & Placement	1(-)	-	-	1(-)
Physical Education	-	-	3(3)	3(3)
Chemical Engg.	-	1(2)	6(6)	7(8)
TOTAL	29(27)	49(50)	96(90)	174(167)
	+3**	+15**	+30**	

** Distribution of sanctioned posts of 3 Professors, 15 Assoc. Prof., 30 Asst.Prof. is to be decided.

3.2 Non-Academic Staff

3.2.1 Supporting staff in position/sanctioned posts in Workshop/R. Lab./Comp. Centre

Designation	Pay band	Sanctioned Posts	Staff in Position	Remarks
Principal Technical Officer	PB 3; GP 7600/-	-	1	
System Manager (Comp. Center)	PB 3; GP 7600/-	-	1	
System Analyst (Comp. Center)	PB 3; GP 6600/-	-	1	
Programmer (R.Lab/ Comp. Center)	PB 3; GP 6600/-	-	1	
Technical Officer	PB 2; GP 4600/-	-	1	
Total		-	5	

3.2.2 Administrative Officers

Sr. No.	Designation	Sanctioned Posts	Staff in Position	Vacant Posts	Remarks
1.	Director	-	1		
2.	Registrar	-	1		
3.	Asst. Registrar	-	3		
4.	Dy. Registrar	-	2		Dy. R. (Accts) on deputation from AG
5.	Internal Auditor	-	1		* On contract
6.	Medical Officer	-	1		
7.	Asst. Librarian	-	1		
8.	Engineer	-	1		
9	Total	-	11		

Statement of Group 'C' position

Sr. No.	Designation	Pay Band & GP	filled up	Category		
				SC	ST	OBC
Technical Staff (Higher Cadre)						
1.	Technical Assistant	PB2; 4200/-	07	03	03	01
2.	Tech. Asst. (Library)	PB2; 4200/-	01	01	00	00
3.	Tech. Asst. (Sanitation)	PB2; 4200/-	01	01	00	00
4.	Sr. Tech. Assistant	PB2; 4600/-	08	02	00	01
5.	Sr. Staff Nurse	PB2; 4600/-	01	00	00	00
6.	Assistant Engineer	PB2; 4600/-	02	01	00	00
7.	Tech. Asst. (SG-II)	PB2; 4800/-	01	00	01	00
Technical Staff (Lower Cadre)						
8.	Laboratory Assistant	PB1; 2000/-	06	00	00	05
9.	Work assistant	PB1; 2000/-	02	01	00	00
10.	Senior Technician	PB1; 2400/-	02	01	00	01
11.	Senior Lab. Asst.	PB1; 2400/-	07	02	00	05
12.	Senior Work Asst.	PB1; 2400/-	04	01	00	03
13.	Technician (SG-II)	PB1; 2800/-	05	01	00	02
14.	Lab. Asst. (SG-II)	PB1; 2800/-	02	00	01	00
15.	Work Asst. (SG-II)	PB1; 2800/-	01	00	00	01
16.	Sr. Library Asst	PB1; 2400/-	03	01	00	02
17.	Lib. Asst.	PB1; 2000/-	02	00	00	02
Ministerial Staff (Higher Cadre)						
18.	Senior Superintendent	PB2; 4600/-	01	00	00	00
19.	Superintendent	PB2; 4200/-	04	03	01	00
20.	Jr. Hindi Translator	PB2; 4200/-	01	00	00	00
21.	Security Officer	PB2; 4200/-	01	00	00	00
Ministerial Staff (Lower Cadre)						

Sr. No.	Designation	Pay Band & GP	filled up	Category		
				SC	ST	OBC
22.	Junior Asst.	PB1; 2000/-	11	06	04	01
23.	Senior Asst.	PB1; 2400/-	13	01	00	07
24.	Assistant (SG-II)	PB1; 2800/-	04	00	01	02
	Stenographer (Lower Cadre)					
25.	Stenographer (SG-II)	PB2; 4200/-	04	01	00	00
26.	Stenographer (SG-I)	PB2; 4600/-	01	00	00	00
	Pharmacists					
27.	Pharmacist	PB1; 2800/-	01	01	00	00
	Total		96	27	11	33

3.2.3 Supporting Staff

Sr. No.	Pay band & GP	Posts filled up	Category		
			SC	ST	OBC
1.	PB1; 2000/-	07	04	00	00
2.	PB1; 1900/-	10	04	01	02
3.	PB1; 1800/-	74	17	10	23
		91	25	11	25

Note:-

As per the restructure the Institute has sanctioned posts as below;

Officers (Administrative & Technical) – 22

Group C - Technical Higher – 66

Technical Lower – 67

Ministerial Higher – 18

Ministerial Lower – 37

Supporting Staff – 33

Staff Retired / Resigned / Expired during the year

Sr.No.	Name	Designation	Date of Departing / Reason
1.	Dr. S.M.Deshmukh	Assistant Registrar	18.02.2011 / Voluntary Retirement
2.	Smt. Pushpa Dixit	Supporting Staff	31.01.2011 / Superannuation Retirement

3.3 Training Status

Sr. No.	Name of employee	Deputed to	Period of deputation	Event
1.	Mrs. Madhuri R. Pimple	NIT, Raurkela	12.02.11 to 14.02.11	International Conference on "Communication, Computing and Security"
2.	A.P. Virodkar D.R. Bharwani	New Delhi	10.02.11 to 12.02.11	Technical Workshop on "Problem Area for streamlining procedures in implementation of New Contributory Pension Scheme (NPS)"
3.	D. M. Parate	Parsam Institute, Banglore	24.12.10	Workshop on "Accounting standard the scope and interpretation of final accounts"
4.	A.A. Meshram	NIT Calicut	30.04.10 to 01.05.10	Workshop on "Uniform Staff Structure & Recruitment Rule for Non-Teaching Posts in NIT"
5.	R.M. Gadge P.G. Meshram	Applied Mechanics VNIT, Nagpur	10.11.10 to 16.11.10	Refreshers Course on "Structural Design of Water Treatment Plants and other

Sr. No.	Name of employee	Deputed to	Period of deputation	Event
				Related Structures”
6.	Smt. Mini Joseph	Diabetes Clinic and Research Centre, Dhantoli, Nagpur	15.11.10 to 30.11.10	Training on “Training in Diabetes”
7.	S.L. Saraf	New Delhi	24.03.11 to 36.03.11	Technical Workshop on “Enhancing Effectiveness of PS/PA & Personal Staff”

The Institute conducted a 2 week training program for the Supporting Staff during 03.05.2010 to 20.05.2010 and 19.07.2010 to 30.07.2010

4.0 TEACHING PROGRAMMES

4.1 Courses Offered

UG (Duration: 4 years i.e. 8 semesters for Engineering and 5 years i.e. 10 semesters for Arch)

- 1 Architecture
- 2 Chemical Engineering
- 3 Civil Engineering
- 4 Computer Science Engineering
- 5 Electronics and Communication Engineering
- 6 Electrical and Electronics Engineering
- 7 Mechanical Engineering
- 8 Metallurgical and Materials Engineering
- 9 Mining Engineering

PG (Duration: 2 years i.e. 4 semesters)

- 1 Environmental Engineering
- 2 VLSI Design
- 3 Heat Power Engineering
- 4 Industrial Engineering
- 5 Integrated Power System
- 6 Material Engineering
- 7 Structural Dynamics and Earthquake Engineering
- 8 Structural Engineering
- 9 Water Resources Engineering
- 10 CAD-CAM
- 11 Computer Science Engineering
- 12 Urban Planning
- 13 Power Electronics & Drives
- 14 Construction Technology & Management

The Institute offers M. Tech. (by Research), M. Arch. (by Research) and also Ph. D. (Full / Part time) in areas of Engineering, Architecture, Sciences & Humanities disciplines.

4.2 Course-wise enrolment with gender, caste breakup

(A) Genderwise distribution of students :

SN	Program Name	Male	Female	Total
Under Graduate Program				
1	Architecture	138	108	246
2	Chemical Engineering	229	44	273
3	Civil Engineering	258	57	315
4	Computer Science Engineering	295	50	345
5	Electronics and Communication Engineering	281	65	346
6	Electrical and Electronics Engineering	280	51	331
7	Mechanical Engineering	327	20	347
8	Metallurgical and Materials Engineering	232	43	275
9	Mining Engineering	58	02	60
	Total (A)	2098	440	2538
Post Graduate Program				
1	Environmental Engineering	14	7	21
2	VLSI DESIGN	31	6	37
3	Heat Power Engineering	31	1	32
4	Industrial Engineering	27	0	27
5	Integrated Power System	26	4	30
6	Material Engineering	20	3	23
7	Structural Dynamics and Earthquake Engineering	16	5	21
8	Structural Engineering	31	6	37
9	Water Resources Engineering	7	0	7
10	CAD - CAM	31	3	34
11	Computer Science Engineering	31	9	40
12	Urban Planning	2	13	15
13	Power Electronics & Drives	20	0	20
14	Construction Technology & Management	13	3	16
	Total (B)	300	60	360
	Ph.D. (part time / full time) (C)	146	48	194
	M. Tech. (by Research) (D)	22	7	29
	Total (A+B+C+D)	2566	555	3121

(B) Categorywise distribution of students :

Under Graduate Program																	
		OBC			OPEN			SC			ST			DASA			Total
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1	Architecture	30	16	46	73	60	133	16	16	32	11	6	17	8	10	18	246
2	Chemical Engineering	38	4	42	139	25	164	33	11	44	16	4	20	3	0	3	273
3	Civil Engineering	46	6	52	138	41	179	45	3	48	22	5	27	7	2	9	315
4	Computer Science Engineering	54	6	60	157	20	177	41	8	49	21	5	26	22	11	33	345
5	Electronics and Communication Engineering	54	7	61	144	32	176	35	9	44	22	3	25	26	14	40	346
6	Electrical and Electronics Engineering	45	6	51	155	26	181	37	13	50	23	2	25	20	4	24	331
7	Mechanical Engineering	56	3	59	169	9	178	45	5	50	23	1	24	34	2	36	347
8	Metallurgical and Materials Engineering	47	5	52	128	21	149	34	14	48	22	3	25	1	0	1	275
9	Mining Engineering	11	0	11	27	2	29	13	0	13	7	0	7	0	0	0	60
	Total UG students	381	53	434	1130	236	1366	299	79	378	167	29	196	121	43	164	2538

Post Graduate Program																		
S	N	Program Name	OBC			OP			SC			ST			DASA			Total
			M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1		Environmental Engineering	5	0	5	7	4	11	2	3	5	0	0	0	0	0	0	21
2		VLSI DESIGN	10	1	11	14	4	18	5	1	6	2	0	2	0	0	0	37
3		Heat Power Engineering	12	0	12	14	0	14	4	1	5	1	0	1	0	0	0	32
4		Industrial Engineering	10	0	10	12	0	12	4	0	4	1	0	1	0	0	0	27
5		Integrated Power System	10	0	10	11	1	12	4	1	5	1	2	3	0	0	0	30
6		Material Engineering	12	0	12	6	2	8	2	1	3	0	0	0	0	0	0	23
7		Structural Dynamics and Earthquake Engineering	5	2	7	8	2	10	3	1	4	0	0	0	0	0	0	21
8		Structural Engineering	13	3	16	12	0	12	5	3	8	1	0	1	0	0	0	37
9		Water Resources Engineering	3	0	3	3	0	3	1	0	1	0	0	0	0	0	0	7

10	CAD-CAM	12	1	13	14	0	14	5	2	7	0	0	0	0	0	0	34
11	Computer Science Engineering	9	2	11	16	4	20	5	1	6	1	2	3	0	0	0	40
12	Urban Planning	0	4	4	1	6	7	1	2	3	0	0	0	0	1	1	15
13	Power Electronics & Drives	5	0	5	10	0	10	3	0	3	2	0	2	0	0	0	20
14	Construction Technology & Management	3	2	5	4	0	4	5	1	6	1	0	1	0	0	0	16
	Total PG students	109	15	124	132	23	155	49	17	66	10	4	14	0	1	1	360

M – Male, F – Female, DASA – Direct Admission Students Abroad, T - Total

4.3 Admission Statistics – UG/PG Programmes, Course-wise

S N	Under Graduate Program	Intake Capacity	Admitted thr AIEEE	Admitted thr DASA/ICCR/M EA	Total
1	Architecture	62	60	6	66
2	Chemical Engineering	92	88	0	88
3	Civil Engineering	92	91	1	92
4	Computer Science Engineering	92	91	10	101
5	Electronics and Communication Engineering	92	91	11	102
6	Electrical and Electronics Engineering	92	92	5	97
7	Mechanical Engineering	92	92	12	104
8	Metallurgical and Materials Engineering	92	87	0	87
9	Mining Engineering	32	21	0	21
	Total	738	713	45	758

Break-up of Seats:

UG Program	Intake	Admitted
OP	373	358
SC	111	109
ST	55	55
OB	199	191
Total	738	713

S N	Post Graduate Program	Intake Capacity	Admitted
1	Environmental Engineering	20	8
2	VLSI Design	20	19
3	Heat Power Engineering	20	16
4	Industrial Engineering	20	14
5	Integrated Power System	20	17
6	Material Engineering	20	9
7	Structural Dynamics and Earthquake Engineering	20	13
8	Structural Engineering	20	18
9	Water Resources Engineering	20	0
10	CAD-CAM	20	18
11	Computer Science Engineering	20	19
12	Urban Planning	20	5
13	Power Electronics & Drives	20	19
14	Construction Technology & Management	20	16
	Total	280	191

Break-up of Seats:

PG Program		
OP	140	120
SC	42	23
ST	22	9
OB	76	39
Total	280	191

4.4 Total number of Students

Program	No of Students
Under Graduate	2538
Post Graduate	360
Ph.D.	194
M Tech (by Research)	29
Total	3121

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 : 9 (8 for boys and 1 for Girls)

Capacity :

Single Seated : Capacity to accommodate 798 students (798 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

The SC and ST category students are sanctioned scholarships from the Deptt. of Social Welfare of their respective states. As per existing practice the SC/ST students of Maharashtra State are exempted from payment of tuition fees at the time of admission. The tuition fees of these students is credited to Institute account from the total scholarship amount received from District Social Welfare Officer, Nagpur. However, the SC/ST students of other states are not given exemption from payment of tuition fees at the time of admission. Further, the Physically challenged students of Maharashtra State quota are being paid maintenance allowance only by the office of the Special District Social Welfare Officer, Nagpur.

4.7 Games and Sports

The Institute encourages the students to participate in various Inter University Tournaments such as West Zone Inter University, All India Inter University, Inter-NIT tournaments and also in local inter-collegiate tournaments. Institute provides required playing kits to the selected students like track suits.

The Department of Physical Education provides blazers to all the student council members of the institute as a token of appreciation.

VNIT sports Fest:

VNIT Sports Fest was organized from 21st to 23rd of January 2011. 337 boys and 74 girls from various NITs of India competed in Cricket (M), Football (M), Volleyball (M), Lawn Tennis (M), Table Tennis (M&W), Basketball (M&W) and Badminton (M&W). 77 boys and 18 girls of VNIT also participated in VSF2011. NIT Kurukshetra, MANIT Bhopal, SVNIT Surat, NIT Hamirpur, NIT Warangal and NIT Jamshedpur participated in the Sports Fest.

Intramural events :

Intramural events provide the students an opportunity to get involved in sports. Through these events students get all the opportunities to interact with other students and to explore their talent in sports.

Krida Diwas:

A football and Throw Ball Match was organized in the institute on the birth anniversary of the great hockey legend Major Dhyanchand.

Local Tournaments:

The Institute also understands the importance of local tournaments and exposes the students to 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, Kho-Kho and Basketball tournament in the month of October 2010. The institute also participated in Prof. Madukar Patil T-20 Cricket tournament in the month of December 2010.

Krik Mania:

This is an Invitational Cricket Tournament being organized since last 18 years by the Institute students under the guidance of the Department of Physical Education at local level. R.S. Mundle College of Arts and Commerce Nagpur was the winner of this year's Krik Mania Cricket Tournament.

4.8 Awards

The Institute declared about 66 awards for academic excellence in various branches based on the average of the Semester / Year marks.

'Sir Visvesvaraya Medal' is awarded every year to the most outstanding student from B.Tech. / B.E. / B.Arch. degree courses. The award is given to the student securing highest CGPA.

Several other awards are presented by various sponsors to students of different branches.

4.9 Examination Details

SN	Title of Program	Students Passed		
		M	F	T
	(A) Under Graduate - B Tech / B Arch			
1	Architecture	12	16	28
2	Chemical Engineering	43	13	56
3	Civil Engineering	48	12	60
4	Computer Science Engineering	47	11	58
5	Electronics & Communication Engineering	57	8	65
6	Electrical & Electronics_Engineering	59	7	66
7	Mechanical Engineering	53	5	58
8	Metallurgical & Materials_Engineering	57	2	59
9	Mining Engineering	20	00	20
	Total	396	74	470

SN	Title of Program	Students Passed		
		M	F	T
	(B) Post Graduate – M Tech			
1	Environmental Engineering	12	6	18
2	VLSI Design	9	2	11
3	Heat Power Engineering	11	1	12
4	Industrial Engineering	12	0	12
5	Integrated Power System	7	1	8
6	Material Engineering	7	2	9
7	Structural Dynamics and Earthquake Engineering	10	3	13
8	Structural Engineering	8	2	10
9	Water Resources Engineering	3	2	5
10	CAD-CAM	10	3	13
11	Computer Science Engineering	10	6	16
12	Urban Planning	6	4	10
	Total	105	32	137
1	(C) Ph D (Part time/Full Time)	29	5	34
1	(D) M Tech/Arch by Research	4	4	08
	Grand Total	534	115	649

4.10 Training & Placement

4.10.1 : Optional Training

The students undergo Industrial training during summer vacation generally for a period of 4 weeks. This training is meant for all the engineering disciplines. Although the training is optional, majority do undergo summer training.

Training seats received for Summer Vacation 2010-2011 are summarized below:

Discipline	No. of Industries who offered Training Seats	No. of Seats offered
Civil Engineering	5	33
Chemical Engineering	4	6

Mechanical Engineering	13	38
Electrical and Electronics Engineering	11	33
Electronics & Communication Engineering	4	9
Metallurgical & Materials Engineering	6	15
Mining Engineering	7	41
Computer Science & Engineering	2	6
Total	52	181

Apart from this, 4 companies offered paid summer internships to 24 third year students after selecting them through written tests, group discussions and personal interviews on campus.

4.10.2 : 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.

4.10.3 : Training of M.Tech. Students

While the industrial training for PG students of engineering is not compulsory, 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.

4.10.4 : Dream Job Placement

The Institute has adopted "Dream Job" policy since last few years. The policy provides eligible students to opt for the industry/organization offering a minimum salary (CTC) of Rs. 4.00 lac per annum.

4.10.5 : Centre for National Level Examinations

In recognition of the reputation of the Institute and availability of infrastructure, VNIT Nagpur is usually chosen as Centre by different govt. / public sector organizations to conduct Competitive and Entrance Examinations at national level such as Joint Entrance Exam (JEE), Graduate Aptitude Test for Engineering (GATE), NITIE Mumbai, Graduate Pharmacy Aptitude Test, C-Dot etc.

5 RESEARCH AND DEVELOPMENT ACTIVITIES

5.1 Ongoing PhD Programmes

Sr.No.	Topic	Investigator	Supervisor
Applied Mechanics Department			
1.	Control of Wind Response of Tall Chimneys using Mass Dampers	K. R. C. Reddy	O. R. Jaiswal P. N. Godbole
2.	Study of concrete composite slab with Profiled Steel Decking	N. A. Hedao	G. N. Ronghe
3.	Investigation into Structural Steel semi – rigid connection	A. Y. Vyavahare	L. M. Gupta
4.	Analysis of Bridge Piers subjected to Ship/Vehicle Collisions	A. S. Joshi	L. M. Gupta
5.	Study of Machine Foundation considering Soil Structure Interaction	R. S. Sonparote	O. R. Jaiswal P. N. Godbole
6.	Fibre Reinforced Concrete (Water Retaining Structure)	R. G. Bais	R. K. Ingle
7.	Study of Structural Properties of Gadhi Soil	V. G. Kondekar	O. R. Jaiswal
8.	Study of Base Isolated Flyovers Curved in Plan and Elevation	Ashish C. Saoji	M. M. Mahajan
9.	An Investigation into Strengthening and Retrofitting of Building for ERD.	Sandep Gaikwad	R. K. Ingle
10.	Behaviour of various Layouts of Grid Type Staging for Elevated Water Tanks	Abhay Khandeshe	R. K. Ingle
11.	Behaviour of Web Tapered built up Section as beam- column member in PEB	Ramesh Megharajani	R. K. Ingle

Sr.No.	Topic	Investigator	Supervisor
12.	Study of Retaining Wall under Dynamics Loading	Mayuri Chandak	M. M. Mahajan
Chemical Engineering Department			
1.	Study on neutralization technique of Red Mud and its utilisation	Suchita Rai	K. L. Wasewar Jyoti Mukhopadhyay
2.	Study on Pervaporation Reactor	Ajit Rathod	K. L. Wasewar
3.	Study on Adsorptive treatment of fluoride from aqueous solution by using low cost adsorbents	Kalpana Singh	Dilip Lataye K. L. Wasewar
4.	Study on Reactive Extraction of carboxylic Acids	Diwakar Shende	K. L. Wasewar
5.	Development And Characterization Of Micro/Nano Biopesticide	Ms. Sonali P.Hiwarkar	S.A.Madavgane
6.	Synthesis Of Nanofluids & It's Application In Chemical Engineering	Rohit Khedkar	S. S. Sonawane K. L. Wasewar
7.	Study On Separation Of Carboxylic Acid	Mangesh Waghmare	K. L. Wasewar S. S. Sonawane
8.	Study On Drying Of Food Materials	Waheed Deshmukh	K. L. Wasewar M. N. Varma
9.	Novel Techniques For Biodiesel Synthesis	Saket Ajmire	M. N. Varma K. L. Wasewar
Civil Engineering Department			
1.	Studies on Treatment of Wastewater Using Constructed Wetlands for Small Communities	A.N. Shrikhande	V. A. Mhaisalkar

Sr.No.	Topic	Investigator	Supervisor
2.	Evaluation of performance of Microbial Fuel Cell for treatment of organic waste and electricity harvesting.	Mr. S. V. Ambekar	V. A. Mhaisalkar
3.	Development of Rational Approach for the Estimation of Methane from Wastewater Treatment Facilities for India	Mr. M. Kartik	V. A. Mhaisalkar
4.	Reliability-Based Design of water distribution networks considering fuzzy parameters	Shilpa Dongre	Rajesh Gupta P. R. Bhave
5.	Development of GIS based Noise Simulation Software for Urban Environment.	Ritesh Vijay	Rajesh Gupta T. Chakraborty
6.	Study of Node Flow Analysis for Improved Design of Water Distribution Networks Using GA	Abdy Sayyed Mohd Abbas Haider	Rajesh Gupta P R Bhave
7.	Designing of Geohydrological Model for over exploited watersheds	Bhushan Lamsoge	Y. B. Katpatal A. M. Pophare
8.	Spatial Correlation of Mechanical Properties of weathered Basaltic Terrain for foundation Characterization	P.P. Saklecha	Y. B. Katpatal S. S. Rathore D. K. Agrawal
9.	Seismic zoning using structural characteristics in GIS Environment	Sandeep Shirkhedkar	Y. B. Katpatal S. S. Rathore
10.	Integrated Groundwater Management model for watersheds through spatial analysis of resources parameters	Sarang Muley	Y. B. Katpatal P. P. Kundal

Sr.No.	Topic	Investigator	Supervisor
11.	Experimental Studies on Characteristics of Labyrinth Weirs	B. V. Khode	P. D. Porey R. N. Ingle A. R. Tembhurkar
12.	Design and Development of Efficient Upflow sand Filter for Water Treatment	V.D.Salkar	A. R. Tembhurkar
13.	Development of System for Transformation of Intermittent Water Supply to Continuous Water Supply	K.S.Bhole	A. R. Tembhurkar S. V. Dahashastra
14.	Critical appraisal of Noise Pollution and its Abatement in Sensitive Area of Nagpur	Idris Ahmed	A. R. Tembhurkar
15.	Optimal Routing for Biomedical Waste Collection	Radhika Deshpande	A. R. Tembhurkar
16.	Feasibility Studies on Solar Disinfection (SODIS) of Grey wastewater	Isha Khedikar	A. R. Tembhurkar
17.	Kinetic Studies for Adsorption of Arsenic Removal from water by Natural Adsorbent	Ashish Nashine	A. R. Tembhurkar
18.	Investigating the prevalence, relevance and appropriateness of bamboo technology for housing in India	Mrs. Chandra Sabnani	Mrs. M. V. Latkar Utpal Sharma
19.	Post occupancy evaluation of schools of Architecture in India	Mrs. Smita Khan	Mrs. M. V. Latkar, R. Kotharkar, A. Bandopadhyay
20.	Development of an Approach Towards Road Safety for Urban area- A case study of	Mahesh Gupta	V. S. Landge

Sr.No.	Topic	Investigator	Supervisor
	Nagpur		
21.	An integrated approach for design and construction of low volume roads	Sudhanwa A. Shringare	V. S. Landge
22.	Impact of new urban transportation system on Non –motorized vehicles with special emphasis on walkability- A case study of Nagpur	Aniket Deshmukh	V. S. Landge
23.	Traffic accident prediction models for heterogeneous traffic for non urban highways	A.K.Sharma	V. S. Landge
24.	Development Of Pavement Management System For Industrial Areas In Vidarabha	Vivek Hokam	V. S. Landge
25.	Development of flood risk management system using hybrid assessment approach	Ms. Madhuri S. Bhagat	A. D. Ghare R. V. Ralegaonkar
26.	Model development for estimation of Reference Evapotranspiration	K.M. Bhartiya	A. D. Ghare
27.	Estimation of discharge through Trapezoidal Agricultural Canal using Simple Cylindrical Flume	A. M. Badar	A. D. Ghare
28.	Modeling of Soil Losses with special reference to Soil Erodibility Index	A. S. Pote	A. D. Ghare
29.	Experimental studies on Convergent Stepped Spillway (NU)	P. J. Wadhai	A. D. Ghare
30.	Relationship Between Urban outdoor Spaces and Thermal comfort	Vidya Ghuge	R. V. Ralegaonkar Alka Bharat

Sr.No.	Topic	Investigator	Supervisor
31.	Design Development of Flood Risk Management System Using Hybrid Assessment Approach	M. Bhagat	A. D. Ghare R. V. Ralegaonkar
32.	Design of Carbon Minus Educational Buildings using Hybrid Energy Approach	Vaidehi Dakwale	R. V. Ralegaonkar
33.	Development of Sustainable Construction Material from Industrial Waste	Sanjay P Raut	R. V. Ralegaonkar S. A. Mandavgane
34.	Electrochemical treatment of sugar mill wastewater	Ravi P. Varhade	Dilip H. Lataye
35.	Adsorptive treatment of fluoride from drinking water	Mrs. Kalpana Yadav	Kailas Wasewar Dilip H. Lataye
36.	Construction elements of Indian Railway Stations	K.N.Joglekar	Dilip H. Lataye Abir Bandopdhyay

Electrical Engineering Department

1.	Adaptive Combined Neuro-Fuzzy Approach for Enhancement of Reliability In Transformer Protection	V. T. Barahate	K. L. Thakre, S. S. Limaye
2.	Thermal power plant and transmission network Management: Voltage Security and Environmental Constraints	K. B. Porate	K. L. Thakre
3.	Direct Torque Control of Induction Motor: using five level Diode Clamped Multilevel Inverter	U. V. Patil	H. M. Suryawanshi
4.	Detection of converter faults using wavelet Transform	Ms. Reshmi Keshwani	H. M. Suryawanshi

Sr.No.	Topic	Investigator	Supervisor
5.	Sensorless control of Induction Motor	S. Bodke	M. V. Aware
6.	Flicker analysis and its mitigation techniques	V. B. Virulkar	M. V. Aware
7.	Wind generation and its control	S. Mohod	M. V. Aware
8.	Stability analysis of the inverter driven induction motor	Subhada Deshmukh	M. V. Aware
9.	Improved performance of the DTC controlled IM	J.G. Choudhari	M. V. Aware
10.	Some studies in improving accuracies of protective relaying algorithm	V. S. Kale	S. R. Bhide
11.	Some studies in applications of optimization and artificial intelligence techniques to power system protection	P. P. Bedekar	S. R. Bhide
12.	Wavelet Transform and its application to process Power Quality Disturbances	Ms. Jyoti Bhonsle	A. S. Junghare
13.	Study of different Techniques of Optimisation for Control of Reactive Power Flow	Altaf Badar	A. S. Junghare B. S. Umre
14.	Study of VSC - HVDC Transmission	P.M. Meshram	V. B. Borghate
15.	Some Techniques of Minimization of VAR loading to improve power quality	Mrs. R. J. Satputaley	V. B. Borghate
16.	Automatic Detection, Analysis And Classification Of Power Quality Disturbances Using Advanced Signal Processing Techniques	V.S. Murkute	V. B. Borghate and Mrs.M.A. Chaudhury

Sr.No.	Topic	Investigator	Supervisor
17.	Power Flow Control Strategies For Distributed Generation Connected To Microgrid	Ranjeet Khandar	Mrs.M A Chaudhury
18.	Automatic Generation Control of Interconnected Power System using Artificial Intelligence Techniques	Mrs. Anupama Huddar	P. S. Kulkarni
19.	Some studies on Solar Photo-voltaic Based Home Lighting System	A. S. Werulkar	P. S. Kulkarni
20.	Some aspects of voltage stability studies in deregulated power systems	S. D Naik	M. K. Khedkar S. S. Bhat
21.	Assessment of Electricity sector reforms and electricity pricing- A study in Maharashtra	S.B. Varkad	M. K. Khedkar

Electronics & Computer Science Engineering Department

Electronics & Communication Engineering

1.	Development of Integrated Pattern Recognition System for Larger Pattern Sets	S. B. Dhok	A. G. Keskar P. S. Deshpande
2.	Modular Reconfigurable Framework For Control System Design using ARM & FPGA	Kanchan Tiwari	Ashwin Kothari
3.	Some Studies in ECG Abnormalities Detection Techniques using Soft Computing Tools	Dilip T. Ingole	K. D. Kulat
4.	Propagation Models for Wireless Communication Channel	J. A. Shrawankar	K. D. Kulat
5.	Sensor nodes in Network on chip	M.A. Gaikwad	R. M. Patrikar

Sr.No.	Topic	Investigator	Supervisor
6.	Micro electromechanical Systems (RF Mem)	Amol D. Morankar	R. M. Patrikar
7.	Micro electromechanical Systems (Bio Mem)	Mrs. J. R. Kalambe	R. M. Patrikar
8.	Strategies for A/D conversion in CMOS VLSI.	A. V. Bapat	A. S. Gandhi
9.	Correlation Between Human Vision and Discrete Wavelet Transform	Ms. S. A. Asamwar	A. S. Gandhi
10.	Algorithms for Time & Frequency Synchronization in WCDMA	Mrs. M.S. Korde	A. S. Gandhi
11.	Algorithms for Time & Frequency Synchronization in OFDMA	Ms. A. P. Rathkanthiwar	A. S. Gandhi
12.	Low power Sigma Delta Analog to Digital Converter	Mrs. Anita Deshmukh	R. B. Deshmukh
13.	Power Optimization for Wireless Sensor Network Node Architecture	Pankaj U. Joshi	R. B. Deshmukh
14.	Development of Low Power Reconfigurable System in Solve 1-D/2-D Signal Processing Problem	P. P. Zode	R. B. Deshmukh
15.	Medical Imaging Pattern : Classification or event prediction for real time Embedded System	Ms. Vibha R. Bora	Ashwin G. Kothari A. G. Keskar
16.	Design of intelligent Decision Support System for telemonitoring of Critical Medical Parameters	R. G.Sutar	Ashwin G. Kothari

Sr.No.	Topic	Investigator	Supervisor
17.	WiMax Communication Systems	Jagdish Kene	K. D. Kulat
18.	Image Processing and Communications	V. R. Satpute	A. G. Keskar K. D. Kulat
19.	Analog Design using fin FET	Eswara Rao P.	R. M. Patrikar
Computer Science Engineering			
1.	Studies in Performance Improvement of Real Coded Genetic Algorithms and Their applications	A. S. Mokhade	O. G. Kakde
2.	Using Deep Semantic Analysis for Domain Specific Natural /language Interface to Database	Avinash Agrawal	O. G. Kakde
3.	Modeling & Evaluation of AD-Hoc Networks	Ashish Tiwari	O. G. Kakde
4.	Interpretation Issues in Missing Information in Databases	S. S. Prabhune	S. R. Sathe
5.	Information Mining in Microarray Gene Expression Analysis	Mrs. Shital Raut	S. R. Sathe
6.	Parallel Computing	Mrs. Dipti D.Shrimankar	S. R. Sathe
7.	Tiling Transformation for Parallel Processing	K. Thouti	S. R. Sathe
8.	Graph Mining	Abhiram Gandhe	P. S. Deshpande
9.	Modeling & Implementing Subtle Aspects of Graph Mining	Mrs. M. M. Dhabu	P. S. Deshpande
10.	Distributed Data Mining	Ms.Preeti A.Paranjape	U. A. Deshpande

Sr.No.	Topic	Investigator	Supervisor
11.	Application of Distributed Systems in Automotive Software	R. B. Keskar	U. A. Deshpande
12.	A Framework to Model the Human Cell using Microarray and Genomic Data	Manish Kurhekar	U. A. Deshpande

Mechanical Engineering Department

1.	Performance Analysis of Solar still with built in storage.	H. S. Deshmukh	S. B. Thombre
2.	Experimental studies on Dye sensitized solar cells.	R. S. Shelke	S. B. Thombre
3.	Heat Transfer aspects of fuel cells	Naveen Shrivastava	S. B. Thombre
4.	Natural convection solar air heaters with built in storage.	Y. C. Dhote	S. B. Thombre
5.	Effect of Cryo treatment on cutting tools.	A. D. Shirbhate	N. V. Deshpande
6.	Energy intervention plan for rural development.	N. W. Kale	N. V. Deshpande
7.	Design & Development of Catalytic converter	P. V. Walke	N. V. Deshpande
8.	Rolling element bearing fault diagnosis using wavelet analysis	Angello I. Dewasawangi	Animesh Chatterjee
9.	Linear and Non-linear joint parameter estimation.	S. B. Ingole	Animesh Chatterjee
10.	Crack Diagnosis of turbine blades using vibration analysis	M. S. Kotambkar	Animesh Chatterjee

Sr.No.	Topic	Investigator	Supervisor
11.	Structural Damage identification using time frequency analysis	M. D. Madne	Animesh Chatterjee
12.	Critical Analysis of rapid manufacturing in context to Indian automobile Industry.	K. M. Ashtankar	A. M. Kuthe
13.	Design and Development of Euro –V Engine	P. R. Ghodke	J. G. Suryawanshi
14.	Investigations on HCNG Engine	P. Nitnavare	J. G. Suryawanshi
15.	Investigation on HCCI Engine	R. Kathar	J. G. Suryawanshi
16.	Computational Fluid Dynamics (CFD) Analysis of Flow over Wind Turbine Blade	Madhav Bhambere	D. B. Zodpe
17.	Development of Non Metallic gears: Its performance analysis and standardization.	P. G. Arajpure	P. M. Padole
18.	Finite Element Analysis and Design Optimization of Fluid -Structure Coupled System	V.V. Shukla	P. M. Padole
19.	Estimation of mechanical sustainability of bone for orthopedic implant	A. S. Dhoble	P. M. Padole
20.	Experimental Analysis of effect of heat treatment on the surface quality and service life of a blanking die.	M. M. Dhobe	I.K. Chopde
21.	Optimization of Pad Area and computation of resistance to flow of fluid in evaporative cooler	Sunil Akant	H. T. Thorat
22.	Development and demonstration of force sensitive platform for robotic Assembly.	Milind Deshpande	H. T. Thorat

Sr.No.	Topic	Investigator	Supervisor
23.	Closed chair 5 axis Robot.	H. P. Jawale	H. T. Thorat
24.	Position and path control of AGV by fixed sensor and Controller	Ramesh Pungle	H. T. Thorat
25.	Computer aided manufacturing planning (camp) using step Ap224 through automatic feature recognition	B.R. Borkar	Y.M.Puri
26.	Studies on effect of welding on corrosion of mild steel sheet , galvanized sheet and SS409 M steel	S.P. Ambade	A.P. Patil Y.M. Puri

Metallurgical & Materials Engineering Department

1.	Synthesis and Mechanical Properties evaluation of Al-ALN nanocomposites with varying ALN Content	S.G. Fale	Jatin Bhatt A. A. Likhite
2.	Development of Rare earth activated alumino-silicate based nanophosphors for solid state lighting	Ashiwini Kumar Sharma	Jatin Bhatt D. R. Peshwe
3.	Synthesis and characterization of Al-Mg-SiO ₂ composite using nanostructured silica from rice husk	Pallavi Deshmukh	Jatin Bhatt
4.	Evaluation of Machinability of Austempered Ductile Iron	Prashant Parhad	Jatin Bhatt A. A. Likhite
5.	Synthesis & Characterisation Of 'Pani'	R.C. Rathod	V. K. Didolkar
6.	Development & study of PBT composites.	Gauri S. Deshmukh	D. R. Peshwe S. U. Pathak J. D. Ikhe

Sr.No.	Topic	Investigator	Supervisor
7.	A FEM based model to predict creep properties of 316 LN S.S. weld joint.	Savita Charde	D. R. Peshwe R. K. Paretkar M. D. Mathew
8.	Cryo-treatment on polymer & polymer composites	Kavita Pande	D. R. Peshwe A. Kumar
9.	Development of Al-TiB ₂ MMC by boxide reduction method	R.S.Ranade	D. R. Peshwe M. B. Dhoke
10.	Cryotreatment of Die tool steels.	S.V.Lomte	D. R. Peshwe
11.	Development & performance evaluation of special surface coatings for the life improvement of boiler tube components.	Venkateshwar Rao Munshi	S. U. Pathak
12.	Study Of Noise Generated By Gas Bubbles & Bath-Metal Movement During Fused Salt Electrolysis Of Alumina.	A.Agnihotri	S. U. Pathak
13.	Development of austempered low carbon equivalent iron castings	S. Patil	A. A. Likhite S. U. Pathak
14.	Development of Carbidic Austempered Ductile Iron (CADI) & Influence of cryogenic processing on mechanical properties of CADI.	S. Umale	A. A. Likhite S. U. Pathak
15.	Structure and properties of PTT based polymer blends	S. Deo	S. N. Paul
16.	Tribological behavior of Ti based biomaterials in physiological solution	N. More	S. N. Paul

Sr.No.	Topic	Investigator	Supervisor
17.	Synthesis and characterization of high conducting polypyrroles and their blends as novel sensors	V. Karambelkar	S. N. Paul
18.	Processing and Characterization of Reinforced ABS Nanocomposites	P. Kakde	S. N. Paul
19.	Effect of weld cycle on corrosion behavior of austenitic stainless steels	R. V. Taiwade	A. P. Patil
20.	Studies on pitting corrosion of austenitic stainless steels in acidic medium containing chloride and effect of oxidizers and surfactants	N. K. Khobragade	A. P. Patil
21.	Development of Low cost copper alloy for sulphide polluted seawater and investigating its microbial influenced corrosion in seawater	Ms. A. F. Khan	A. P. Patil
22.	Use of electrochemical noise measurement in assessing localized and uniform corrosion.	M. S. Bihade	A. P. Patil
23.	Studies on effect of galvanizing with Zn and Zn-Al alloys on corrosion mild steel	B. D. Deshmukh	A. P. Patil
24.	Studies on effect of welding on corrosion of galvanized mild steel and ferritic stainless steels	S. Ambade	A. P. Patil

Mining Engineering Department

1.	Demonstration and Evaluation of Blast Casting in Operating Surface Coal Mines in	M.D. Uttarwar	R. R. Yerpude
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Sr.No.	Topic	Investigator	Supervisor
	India (Thesis submitted)		
2.	Development of Environmental Audit System for Opencast Mines	Yogesh G. Kale	R. R. Yerpude
3.	Development of guidelines for waste dumping in surface Coal Mines of WCL in Chandrapur and Wani areas in Wardha Valley.	I. L. Muthreja	R. R. Yerpude
4.	Safety information and decision System for coal mine	Anupam Kher	R. R. Yerpude
Architecture & Planning Department			
1.	Investigating the prevalence, relevance appropriateness of Bamboo Technology for Housing in India.	C. S. Sabnani	M. V. Latkar Utpal Sharma
2.	Critical Appraisal of adequate housing for Urban Poor	V.S.Kapse	A. D. Pofale Mayank Mathur
3.	Post occupancy evaluation of schools of Architecture in India	S.H.Khan	Rajashree Kotharkar M. V. Latkar A. Bandyopadhyay
4.	Design elements in construction of Railway stations	K.N.Joglekar	D. H. Lataye A. Bandyopadhyay
5.	Relationship between Urban Outdoor spaces and Thermal Comfort	V.V.Ghuge	R.V.Ralgaonkar Alka Bharat
6.	Impact of New Urban Transport system on non motorized vehicle with special emphasis on walkability, case study, Nagpur	Aniket Deshmukh	V. S. Landge A. Bandyopadhyay

Sr.No.	Topic	Investigator	Supervisor
7.	Urban Design and Complexity Science	Akshay P. Patil	Alpana Dongre
8.	Mixed Landuse – a tool for Sustainable Urban Development	Sarika P. Bahadure	Rajashree Kotharkar
9.	Cultural Landscape Conservation - an inspiring quality for Contemporary Architecture	Amit J. Wahurwagh	Alpana Dongre
10.	Study of the impact of built environment as enclosed spaces on human behaviour, focus on enhancing the efficiency and comfort of the user	Pooja Pathak	Alpana Dongre
11.	Cognitive response to spatial modeling of built environment in Urban India	Priya Chaudhary	V.S. Adane
12.	Study of transformations in the traditional urban environment	Roopal Deshpande	Rajashree Kotharkar
13.	Development of analytical model for sustainable management systems of water bodies in urban area, case study of Nagpur	Manish Bhishnurkar	Rajashree Kotharkar
14.	Innovative Method for Creativity Thrust in Architecture Education	Poorva Bute	Dr. V.S. Adane

Physics Department

1.	The effect of transition metal oxides addition on the physical properties of lithium borosilicate glasses	Thomas Philips	V.K.Deshpande
2.	Synthesis and characterization of lead titanate based ferroelectric glass-ceramics	J. Shankar	V.K.Deshpande

Sr.No.	Topic	Investigator	Supervisor
3.	Study of some proton conducting glasses	Sudhir Tiple	V.K.Deshpande
4.	Study of optical losses in silicon-on-insulator wave guide	Shilpa Kulkarni	S.R.Patrikar
5.	Strength of Nanomaterials	Vivek Kale	S.R.Patrikar
6.	Study of lithium conducting glasses, glass-ceramics and composite solid electrolyte materials	Nutan Paigham	A.V.Deshpande
7.	Preparation and study of bismuth oxide containing glasses and glass ceramic	Vijaya Raut	A.V.Deshpande
8.	Synthesis and Characterization of Lithium–Borate Glasses containing Rare Earth Oxides	D.D. Ramteke	R.S.Gedam
9.	Development of ferroelectric glass ceramics for transducers	Vijay Rahangdale	V.K.Deshpande
10.	Synthesis and Characterization of Polyaniline doped with nanoparticles & polyaniline nanocomposites	Ms. Jyoti Nanal Mrs. Ghushe	S.M.Giripunje

Chemistry Department

1.	Studies on Microwave Assisted Organic Reactions	L. P. Nagpurkar (NU) Thesis submitted	J. D. Ekhe
2.	Studies on Fate of insecticides viz. Endosulphan HCH and Carbofuran in Plant Soil Eco System	Ms. J.V. Wadaskar (NU)	J. D. Ekhe

Sr.No.	Topic	Investigator	Supervisor
3.	Structure and Properties of Polytrimethylene Terphthalate (PTT) Blends	Shrikant Deo	S. N. Paul J. D. Ekhe
4.	Modifications of Industrial Waste Lignin	Atul V. Maldhure	J. D. Ekhe
5.	Study and Development of Polybutylenes Terphthalate (PBT) Composite	Ms. Gauri S. Deshmukh	S. U. Pathak J. D. Ekhe
6.	Poly-pyrrole composites	V. V Karambelkar	S. N. Paul J. D. Ekhe
7.	Isolation and Characterization of Value added products from industrial waste Lignin	R A Nandanwar (NU)	A. R. Chaudhari J. D. Ekhe
8.	Synthesis and Physico-Chemical Studies of Polyaniline - Metal / Metal Oxide Nano composites	Baban H. Shambharkar	S. S. Umare
9.	Synthesis & characterization of Metal oxide nanoparticle for photocatalytic & photoluminescent Applications	Ms. Archana Charanprahari	S. S. Umare
10.	Synthesis, Characterization & Anticorrosion Performance of Soluble Conducting Polyaniline & its Composite	R.C. Rathod	V. K. Didolkar S. S. Umare
11.	Synthesis and evaluation of Molecularly imprinted polymers (MIPs) for selective extraction of Antioxidants	Ms. Sushma Pardeshi	Mrs. A. Kumar Mrs. R. S. Dhodapkar
12.	Cryogenic Treatment of Polymers and Polymer Composites	Ms. Kavita Pandey	D. R. Peshwe Mrs. A. Kumar

Sr.No.	Topic	Investigator	Supervisor
13.	Development of Biodegradable Polyester Based Polyester Urethane and Polyurethane Acrylates for Adhesive and Coating Applications	Ganesh Bhusari	S. S. Umare
14.	Fabrication and Evaluation of Potentiometric Sensor for some β Blockers in Human Serum	Kiran Kumar Tadi	Mrs. R. Motghare
15.	Reinforcement of Rubber with the Interaction of Filler Generated in situ by sol-gel Process	Bharat P. Kapgade	Chayan Das

Mathematics Department

1.	Mathematical Models of Inflationary Universe	P.D. Jaronde	G. P. Singh
2.	Numerical methods for solving Singularly Perturbed Differential Difference Equations	R. Nageshwar Rao	P. P. Chakravarthy
3.	Some studies on micropolar and couple stress fluid flows.	N.Ch. Ram Gopal	A. G. Deshpande, M. Devakar

5.2 PhDs completed during 2010-11

Sr. No.	Topic	Investigator	Supervisor
Applied Mechanics Department			
1.	Critical Study of Doubly Layer Grid	P. R. Harde	L. M. Gupta
2.	Operation Research Application in Design, Implementation and Operations of Water Supply System	Ulhas S. Naik	M. M. Mahajan

Sr. No.	Topic	Investigator	Supervisor
Civil Engineering Department			
1.	Assessment of Assimilative Capacity and Environmental Flow Requirement for River Stretch	P. S. Kelkar	V. A. Mhaisalkar S. Devotta
2.	The impact assessment based studies of Erai Watershed in Chandrapur District, Maharashtra, using Geoinformatics approach	Sanjay Patil	Y. B. Katpatal
3.	Estimating Hydraulic characteristics of Flow regime in heterogeneous systems using Ground Penetrating Radar (GPR).	A.D. Vasudeo	Y. B. Katpatal R. N. Ingle
4.	Delineation of infiltration Characteristics within a watershed through integrated analysis of Spatial Parameters	V.P. Mane	Y. B. Katpatal
Electrical Engineering Department			
1.	Design, analysis and simulation of High power factor converter for UPS System	G. A. Dhokane	H. M. Suryawanshi
2.	Implications of poor power quality and methodologies to mitigate them(related to fault induced voltage sag)	Mrs. N. R. Patne	K. L. Thakre
Electronics & Computer Science Engineering Department			
Electronics & Communication Engineering			
1.	Design of Vehicular AdHoc Networks for intelligent Traffic Monitoring and Control	Sanjay S.Dorle	A. G. Keskar
2.	Novel strategy for Design of a Fuzzy controller for autonomous mobile systems	Amol Y.Deshmukh	A. G. Keskar

Sr. No.	Topic	Investigator	Supervisor
3.	performance Performance Enhancement in Lifetime of Wireless Sensor Network for Environmental Monitoring	Gajendra M. Asutkar	K. D. Kulat
4.	Hybrid Intelligent Neural Network System for Non Linear Function Approximation and Pattern Classification	Ms. Allifia Khurshid	A. P. Gokhale K. D. Kulat
5.	Design of Fault Tolerant Digital Circuits	Ravindra Kshirsagar	R. M. Patrikar
Computer Science Engineering			
1.	Mobile Agents : Applications and Security	D. S. Adane	S. R. Sathe C. S. Moghe
2.	Performance Enhancement of Color Based Classification and Segmentation for Image Retrieval using JND Approach	K. K. Bhoyar	O. G. Kakde
3.	Recognition of Handwritten Manuscript in Devnagari Script	Mrs. Latesh Malik	P. S. Deshpande
Mechanical Engineering Department			
1.	Effect of acoustic field on heat transfer in sound assisted fluidized bed of fine powder (R.T.M. Nagpur University Nagpur.)	U. S. Wankhede	S. B. Thombre
2.	Custom Bone Implantation using rapid prototyping.	Tushar R. Deshmukh	A. M. Kuthe
3.	Application of the finite element method to the flexible linkage mechanism.	Adwait M. Vaidya	P. M. Padole

Sr. No.	Topic	Investigator	Supervisor
4.	Optimization of process/service by Taguchi approach modified to application of Taguchi approach for optimization.	A. C. Waghmare	P. M. Padole
5.	Analysis of machining parameters in unconventional machining using newly developed metal composites	Vishal Parasar (NIT Bhopal)	Y.M. Puri J.L. Bhagoria (NIT Bhopal) A. Rehman (NIT Bhopal)

Metallurgical & Materials Engineering Department

1.	Development and Synthesis of PET-PBT blends	Rashmi Pathak	D. R. Peshwe S. U. Pathak
2.	Study of processing parameters on structure – property relation of ultra low carbon (interstitial free) steel sheet.	M.M. Humne	R. K. Paretkar D. R. Peshwe

Mining Engineering Department

1.	Slope design guide lines for friable ore bodies	A. Shantha Ram	N. R. Thote
2.	Slope stability investigation in opencast coal mines of Wardha Valley Coalfields	J.C. Jhanwar	N. R. Thote
3.	Investigation into occupational noise exposure and hearing impairment to the mining equipment operators	R.K. Pandey	N. R. Thote
4.	Energy factor based explosives selection and performance evaluation of blasting in surface mines	G.K. Pradhan	N. R. Thote

Sr. No.	Topic	Investigator	Supervisor
Physics Department			
1.	Synthesis and characterization of cerium oxide containing glasses	Ramesh Taikar	V. K. Deshpande
Chemistry Department			
1.	Synthesis & Characterization of Battery Grades Manganese Dioxide	Hemant Y. Malankar	S. S. Umare
Mathematics Department			
1.	A Study of Bulk Viscous Cosmological Models of Expanding Universe	Mrs. A. Y. Kale	G. P. Singh

5.3 Proposed plan for research

Sr. No.	Title	Principal Investigator	Cost (Rs. in Lakhs)
Civil Engineering Department			
1.	Design Development of decision support tool for sustainable construction	Rahul V Ralegaonkar	17.50
2.	Development of Green Construction material using Industrial waste for low-cost housing	Sachin A Mandavgane	22.10
3.	Electrosorptive treatment of water/wastewater	Dilip H. Lataye	15.00
Electrical Engineering Department			
1.	Developments in Power Electronics (FIST-project)	H.M.Suryawanshi	63.50
2.	Investigation of the multiphase machines and their application	M. V. Aware	40.00

Sr. No.	Title	Principal Investigator	Cost (Rs. in Lakhs)
3.	Developments in Power System Protection (FIST-Project)	S. R. Bhide	3.00
Electronics & Computer Science Engineering Department			
Electronics & Communication Engineering			
1.	SMDP - II	R. M. Patrikar R. B. Deshmukh	109.00
2.	Characterization & Simulation of Nano devices	R. B. Deshmukh R. M. Patrikar	312.00
3.	Speech synthesis and recognition embedded system for speech impaired	K M Bhurchandi	20.00
4.	Face recognition system	K M Bhurchandi	20.00
5.	Staircase climbing Wheel chair	K M Bhurchandi	50.00
Computer Science Engineering			
1.	Development of Software Modules for Aerial Video Surveillance Using Parallel Processing Sponsored by AR & DB	S. R. Sathe	10.50
2.	Performance Improvement of Algorithms in Computational Biology	S. R. Sathe	105.21
3.	Speed up of Algorithms in Computational Biology using Parallel Processing	S. R. Sathe	52.83
Mechanical Engineering Department			
1.	Development and testing of Customized Joint Replacement Implants using layered manufacturing.	A. M. Kuthe	50.06

Sr. No.	Title	Principal Investigator	Cost (Rs. in Lakhs)
2.	Crack Detection in Structural components using non-linear frequency response function.	A. Chatterjee	9.36
Metallurgical & Materials Engineering Department			
1.	Influence of normalizing & tempering heat treatment on tensile & creep properties of grade 92 steel	D. R. Peshwe R. K. Paretkar A. R. Ballal	82.14
2.	Characterization and Simulation of Nano Devices	J. Bhatt R. M. Patrikar	312.00
3.	Effect of ply-drops on the fatigue behavior of composites by VERITY process.	D. R. Peshwe R. K. Paretkar	7.45
4.	Effect of retro ageing and reaging treatments on 7010 Al alloy	D. R. Peshwe R. K. Paretkar	27.00
5.	Development of Carbidic Austempered Inoculated Low Carbon Equivalent Iron	A. A. Likhite D. R. Peshwe S. U. Pathak	50.00
6.	Synthesis of Conducting Polymers for the development of Sensors	S. N. Paul	50.00
Mining Engineering Department			
1.	Technical & Feasibility study of overburden rock of Dongri Buzurg & Kandri Mine for consolidated stowing in underground mines	I. L. Muthreja R. R. Yerpude A. D. Ghare	39.25
Chemistry Department			
1.	Catalytic Degradation of lignin & formation of PTC	J. D. Ekhe	40.00

Sr. No.	Title	Principal Investigator	Cost (Rs. in Lakhs)
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using microwaves

Mathematics Department

- | | | | |
|----|---|------------------|------|
| 1. | DST sponsored research Project
Title: Numerical methods for solving Singularly Perturbed Differential Difference Equations | P.P.Chakravarthy | 9.84 |
|----|---|------------------|------|

5.4 Institute Industry Collaboration

Sr. No.	Name of Industry	Area/Activity	Collaboration Activities
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Civil Engineering Department

- | | | | |
|----|------------------|---|---|
| 1. | NRRDA, New Delhi | PMGSY | Scrutiny of Proposals and advise sought by Project implementation Units of various districts of Vidarbha (Nagpur and Amravati Divisions). |
| 2. | NRRDA, New Delhi | Sponsored Research project on 'Rural road pavement performance Study' | Project is nearing completion and final report is under preparation |
| 3. | BMTPC, New Delhi | JNNURM SRA Project | Consultant |
| 4. | NEERI, Nagpur | Design of Green Building for Air Pollution Division | External Expert |

Sr. No.	Name of Industry	Area/Activity	Collaboration Activities
5.	MANIT, Bhopal	Workshop on Science and Technology for Sustainable Development of India	Guest Lecture
6.	NICMAR, Pune	Role of IT in Construction Industry	Guest Lecture
7.	NCDC, Nagpur	Integration of Infotech aid in EOC	Guest Lecture
8.	Bastar Vishvavidyalaya, Jagdalpur & CG Council of Science & Technology, Raipur	9 th Chhattisgarh Young Scientists Congress	Judge
9.	Associated School of Construction, Colorado, U.S.	International Conference, Technical paper review	Reviewer

Electrical Engineering Department

1.	NMC, Nagpur	Harmonic analysis of Pump Housing Electrical Loads.	Consultancy
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Electronics & Computer Science Engineering Department

Electronics & Communication Engineering

1.	S M Wireless Solutions ltd	Characterization of RF devices	Consultancy
2.	Hindustan Semiconductors Ltd	Setting up of LED packaging plant	Consultancy

Sr. No.	Name of Industry	Area/Activity	Collaboration Activities
3.	S M Wireless Solution Pvt. Ltd.	RF Testing	Design and Testing of RF circuits, Assessment of RF electronic circuit boards
Computer Science Engineering			
1.	Persistent Systems Limited, Nagpur	Telecom Software	Understanding of requirements, Design of the solution and validation of deliverables
2.	Maharashtra Airport Development Company (MADC) Ltd	Vetting of the software	1. Design and code review 2. Vetting of the software for performing random computerized draw of second stage for allotment of specific tenements and parking
Mechanical Engineering Department			
1.	Soni Polymers Ltd. Nagpur	CAD-CAM	To Develop rapidprototyping model
2.	B. P. Ergo Ltd. Nagpur.	CAD-CAM	To Develop rapidprototyping model

Sr. No.	Name of Industry	Area/Activity	Collaboration Activities
3.	MECL Nagpur	CAM	Tool inspection
4.	Paramount Conductors	CAM	Reverse engineering
5.	Dyna pro Motions Pvt Ltd.	CAM	Reverse engineering

Metallurgical & Materials Engineering Department

1.	Defense Metallurgical Research Laboratory	Hf and Fe based Metallic Glasses	Consultancy
2.	V.V Mujumdar, Institute of Applied Research, Pune	Bulk Metallic Glasses (BMG) for Orthopedic Implants	Consultancy
3.	Indira Gandhi Center for Atomic Research , Kalpakkam	Interfacial Studies of Thin Films	Research & Development
4.	DMRL, Hyderabad	Development of biomaterials	Research projects
5.	Indo Rama Synthetics, Butibori, Nagpur	Melt spinning process and their optimization	M.Tech projects
6.	Reliance Industries Ltd., Mumbai.	Development of polymer blends	Research projects
7.	Energy Conversion Materials Section, BARC Vashi Complex	Development of functional materials	M.Tech. projects

Mining Engineering Department

1.	W.C.L.	Assessment of human resources for mining	Consultancy work
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Sr. No.	Name of Industry	Area/Activity	Collaboration Activities
2.	PPB Buildcom Pvt. Ltd	Ground vibration due to blasting of Pachagaon quarries	Consultancy work
3.	Krishnaping Pvt. Ltd	Ground vibration instigation of opencast mines	Consultancy work
4.	Hira Power and Steel Pvt. Ltd	Ground vibration investigations of Sangam dolomite mines	Consultancy work
5.	M.O.I.L.	Ground vibration investigations of Munsar mines	Consultancy work

Chemistry Department

- | | | | |
|----|---------------|--------------------------------|----------|
| 1. | NEERI, Nagpur | Molecularly Imprinted Polymers | Research |
|----|---------------|--------------------------------|----------|

5.5 Innovation and Technology Transfer

Electrical Engineering Department

- * Fractional Order PID: Technology transfer to BARC Mumbai.
- * Use of PSCAD/ MATLAB software for lab and lectures.
- * Development of Processor Based Energy monitoring Devices for Electric Locomotive.

Electronics & Computer Science Engineering Department

Electronics & Communication Engineering

Patent Application Published in the Official Patent Office Journal, Govt. of India.

Physics Department

Developed Radiation Resistant Optical glasses and handed over to Indira Gandhi Center for Atomic Research (IGCAR), Kalpakkam for use in the Hot cell of Nuclear Reactor.

6. THE COUNCIL, BoG AND OTHER COMMITTEES

6.1 NIT Council

In order to coordinate activities of all NITs the Central Government has constitute NIT Council, as under:

- | | |
|--|--------------------------|
| 1. Minister in charge, Ministry of Human Resource Development, Government of India | Chairman
(ex-officio) |
| 2. Secretary to the Govt. of India, Department of Higher Education, Ministry of Human Resource Development | Member
(ex-officio) |
| 3. The Chairperson of National Institutes of Tehnology located at Agartala (Tripura), Allahabad (Uttarpradesh), Bhopal (Madhya Pradesh), Calicut (Kerala), Durgapur (West Bengal), Hamirpur (Himachal Pradesh), Jaipur (Rajasthan), Jalandhar (Punjab), Jamshedpur (Jharkhand), Kurukshetra (Haryana), Nagpur (Maharashtra), Patna (Bihar), Raipur (Chattisgarh), Raourkela (Orissa), Silchar (Assam), Srinagar (Jammu & Kashmir), Surat (Gujrath), Surathkal (Karnataka), Tiruchirapalli (Tamil Nadu) and Warangal (Andhra Pradesh) | Member
(ex-officio) |
| 4. Director of every National Institute of Technology | Member
(ex-officio) |
| 5. The Chairman, University Grants Commission | Member
(ex-officio) |
| 6. The Director General, Council for Scientific & Industrial Research | Member
(ex-officio) |
| 7. Secretary, Department of Bio-Technology, Government of India | Member
(ex-officio) |
| 8. Secretary, Department of Automic Energy, Government of India | Member
(ex-officio) |

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- | | | |
|-----|---|--------------------------------------|
| 9. | Secretary, Department of Information Technology, Government of India | Member
(ex-officio) |
| 10. | Secretary, Department of Space, Government of India | Member
(ex-officio) |
| 11. | Chairman, All India Council for Technical Education | Member
(ex-officio) |
| 12. | Not less than three but not more than five persons to be nominated by the Visitor, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, industry, science or technology | Member |
| 13. | Three members of Parliament, of whom two shall be chosen by the House of People and one by the Council of States | Member |
| 14. | Two Secretaries to the State Government of Maharashtra, from amongst the Ministries or or departments of that government dealing with technical education where the Institutes are located | Member
(ex-officio) |
| 15. | Financial Advisor, Ministry of Human Resource Development, Government of India | Member
(ex-officio) |
| 16. | Joint Secretary to the Govt. of India (Technical) / Additional Secretary (Technical) / Department of Higher Education, Ministry Human Resoruce Development | Member-
Secretary
(ex-officio) |

6.2 Board of Governors

The Board of Governors of the Institute consists of the following persons;

- | | | |
|----|------------------------|-------------|
| 1. | Nominee of the Visitor | Chairperson |
| 2. | Director, VNIT, Nagpur | Member |

- | | | |
|-------|--|---------|
| 3, 4. | Two persons not below the rank of Joint Secretary to the Govt. of India to be nominated by the Central Govt. from amongst persons dealing with Technical Education & Finance | Members |
| 5, 6. | Technologists or industrialists of repute nominated by the Govt. of Maharashtra | Members |
| 7, 8. | Persons, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, engineering or science, to be nominated by the Council | Members |
| 9. | Professor of the Institute nominated by the Senate | Member |
| 10. | Assistant Professor or a Lecturer of the Institute, to be nominated by the Senate | Member |

6.3 The Finance Committee

The Finance Committee consists of the following persons;

- | | | |
|-----|--|-------------------------------|
| (a) | The Chairperson, BoG, V.N.I.T. Nagpur ex-officio | Chairman |
| (b) | The Director, V.N.I.T., Nagpur, ex-officio | Member |
| (c) | Joint Secretary to Govt. of India, Deptt. of Higher Education or his nominee | Member |
| (d) | Financial Advisor, Ministry of HRD, GoI or his nominee | Member |
| (e) | Two persons nominated by the Board from amongst its members | Members |
| (f) | The Registrar, | Member-Secretary (ex-officio) |

6.4 Building & Works Committee

The Building & Works Committee consists of the following persons;

- | | | |
|----|---|--------------------------------------|
| 1. | The Director, V.N.I.T., Nagpur | Chairman
(ex-officio) |
| 2. | One member nominated by the Central Government, not below the rank of Director or Dy. Secretary | Member |
| 3. | One member nominated by the Board of Governors | Member |
| 4. | The Registrar, VNIT, Nagpur | Member-
Secretary
(Ex-officio) |
| 5. | Dean, Planning & Development | Member |
| 6. | Nominee of the CPWD or the PWD (Civil Wing) | Member |
| 7. | Nominee of the CPWD or the PWD (Electrical Wing) | Member |

6.5 The Senate

The Senate of the Institute consists of the following persons;

- | | | |
|-----|---|------------------------|
| (a) | The Director, V.N.I.T., Nagpur ex-officio | Chairman |
| (b) | The Dy. Director, | Member
(Ex-officio) |
| (c) | The professors appointed or recognized as such by the Institute for the purpose of imparting instruction in the Institute; | Members |
| (d) | Three persons, one of whom shall be woman not being employees of the Institute, to be nominated by the Chairman in consultation with the Director from amongst educationists of repute, one each from the fields of Science, Engineering and Humanities | Members |

- (e) Such other members of the staff as may be laid down in the Statutes Members

Registrar, V.N.I.T., Nagpur is the Ex-officio Secretary of Senate.

6.6 Staff Selection Committee

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

- | | |
|--|------------|
| (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 shall be as follows:

- | | |
|---|------------|
| (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 shall be as under:

- | | |
|---|------------|
| (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 shall be as under:

- | | |
|---|------------|
| (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 |

7.0 CONCESSIONS FOR SCs, STs, PWD STUDENTS

Students who belong to the weaker section or who are physically challenged apply to respective agencies of State and Central Government and are sanctioned scholarship as per their rules. SC and ST category students of UG Program from Home State are given waiver in payment of fees and their bills are sanctioned from the Deptt. of Social Welfare of Govt. of Maharashtra. Similarly, students placed under other scholarship schemes viz. ICCR, SPDC, Shahu Maharaj, New Central Sector are also given waiver in payment of fees and their bills are sanctioned from the competent authority of State / Central Government. SC and ST category students of UG Program from other States are given refund of fees on sanction and receipt of bills from their respective State, Deptt. of Social Welfare / other agency. Students who are physically challenged are given refund of fees on sanction and receipt of bills from competent authority of respective State Govt. SC and ST category students admitted to M Tech program under GATE category are given waiver in payment of tuition fees.

8.0 FINANCIAL STATUS

8.1 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.

8.2 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 2010-11.

8.3 Expenditure Position for last three years

The Income and Expenditure Account for the years 2008-09, 2009-10 and 2010-11 is as below:

Income		(Rs. In Lakhs)		
S.No.	Particulars	2010-2011	2009-2010	2008-2009
1.	Grant received from the Central Govt.	2715.98	3712.22	2058.35
2.	Fees and Subscription	862.01	835.41	439.18
3.	Income from Investments	0	-	0
4.	Interest Earned	156.45	68.09	55.37
5.	Other Income	660.43	451.57	3122.27
6.	Income from Sales/Services	172.23	143.60	0
Total		4567.10	5210.89	5675.17

Expenditure		(Rs. In Lakhs)		
S.No.	Particulars	2010-2011	2009-2010	2008-2009
1.	Establishment Expenses i) Pay and Allowances ii) Pension iii) Scholarship	3320.80	4200.93	2134.30
2.	Other Administrative Expenses (Contingency)	1175.94	981.79	3644.05
Total		4496.74	5182.72	5778.35

9.0 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 : 1,33,248 (Books, Journals, and Standards & Non Book materials)

Collection of Books	(Total Books - 1,08,694)
General Books- 64,470	Book Bank- 18,693
E-Books (Through Elsevier) 266	
Social Welfare Book- 10,602	Books From Students Aid Fund- 3,941
British Council Book Bank- 291	UGC / SAF Books- 4,331
Gratis Books – 3,524	UG Project Report/PG/PhDs Thesis – 1,586
Book Bank Scheme for ST – 386	Addl. Intake 120 – 256
UGC Book Bank – 483	

Periodicals (Total Periodicals & Bound Volumes – 13,459)

National- 72 International- 93
 Gratis Periodicals & Pamphlets- 55 Bound Volumes- 13,239

Standards (Total Indian & Foreign Standards – 9,096)

Indian Standards- 8,759 Society Standards- 337

Non-book Material (Total Non Book Material – 1,999)

CDs & Floppies- 971 Audio Visual Material- 298
 Audio / Video Material - 730

Expenditure during the year (1st April 2010 to 31st March 2011.)

Sr. No.	Grants	Allocated amount	Amount Spent (in Rs.)	Volumes added
1	General Books & Maps & E-Books	Rs. 50 Lac	34,39,214 15,17,241	2655 124
2	Book Bank Books	Rs. 06 Lac	5,99,966	1734
3	Periodicals & News Papers	Rs. 50 Lac	50,80,844	165

Details of electronics resources available through INDEST:

ACM Digital Library, ASCE Journals, ASME Journals, IEL Online, Indian Standards, Nature, Proquest Science, Springer Verlag's Link, Elsevier's Science Direct and J-Gate CCC.

9.4 Laboratories**Applied Mechanics Department**

1. Engineering Mechanics Lab.
2. Computer Lab.
3. Strength of Materials Lab.
4. Instrumentation Lab.
5. Structural Dynamics Lab.
6. Structure/Earthquake Engineering Lab.
7. Research Scholar Lab.

Chemical Engineering Department

1. Chemical Reaction Engineering
2. Modeling and Simulation
3. Process Control
4. Mechanical operations
5. Fluid Mechanics I
6. Heat Transfer
7. Mass Transfer
8. Advance Separation Technology and Analytical Instruments

Civil Engineering Department

1. Transportation Engg. Lab.
2. Geo-Technical Engg. Lab.
3. Concrete Technology Lab.
4. Building Materials & Technology Lab.
5. Survey Lab.
6. Environmental Chemistry Lab.
7. Environmental Microbiology Lab.
8. Water & Waste Water Lab.(PHE UG)
9. Air Pollution Control & Monitoring Lab.
10. Water Resource Engg. Lab., Fluid Mechanics Laboratory
11. Computer Lab. (UG)
12. Environmental Engineering Computer laboratory (PG)
13. Engineering Geology Lab.
14. GIS & Remote Sensing Lab.
15. Built Environment Test Room analyzing the energy efficiency of the existing buildings
16. Construction Management Software laboratory

Electrical Engineering Department

1. Electrical Drives- I
2. Control Systems Lab.
3. Electrical Machine Lab.
4. Electrical Engineering Lab. for First Year
5. Power System Protection Lab.
6. Measurement and Instrumentation Lab.
7. UG PC Lab. and PG PC Lab.
8. Network Analysis Lab.
9. High Voltage Lab.
10. Power Electronics lab.
11. Microprocessor Lab.
12. Electrical Workshop
13. Non-Conventional Energy Lab.
14. Electrical Power System Research Lab.

Electronics Engineering Laboratories

1. EDC- DIC Lab. – I
2. EDC-DIC Lab. – II
3. Electronics Workshop
4. Microprocessor Lab.
5. DSP Laboratory
6. Embedded Electronics Labs.
7. Communication Electronics Lab.
8. Communication Networking Lab.
9. VLSI Lab.
10. RFCD Lab.
11. Analog Circuits Lab.
12. Integrated Circuit and System Design Lab (ICSDL) (Formerly known as VLSI Design Lab)
13. Electrical Characterization Lab.
14. EDA Lab.
15. High Performance Computation Lab (HPC Lab)
16. National MEMS Design Center (NMDC)
17. Image Processing and Computer Vision Laboratory

Computer Science Laboratories

1. Computing Lab. – I
2. Computing Lab. – II
3. Computing Lab. - III
4. PG Lab. - I
5. PG Lab. – II
6. New UG CS Lab. – IV

Mechanical Engineering Department

1. Heat Transfer and Steam Power Lab.
2. Solar Energy Conversion Lab.
3. Metrology Lab.
4. Machine Dynamics Lab.
5. CAD-CAM Centre.
6. CFD Centre.
7. Refrigeration Lab.
8. Hydraulic Machines Lab.
9. I/C Engines Lab.
10. Mechanical Measurement Lab.
11. Steam Power Lab.
12. Audio Visual Lab.
13. Robotics and FMS Lab.
14. Ergonomics Lab.
15. Computer Lab.
16. Project Lab.

17. Solid Mechanics Lab.

18. Mechatronics Lab.

Metallurgical & Materials Engineering Department

1. Mechanical characterization – Testing of Material Lab
2. Structural characterization – Physical Metallurgy Lab
3. Chemical Characterization – Instrumental Analysis Lab
4. Polymer Processing & Testing
5. Corrosion Testing Lab
6. Electronics / Electromagnetic Materials Lab
7. Wear Lab
8. Workshop & Welding Lab
9. Heat Treatment & Melting Lab
10. Rural Development Projects (KVIC) Lab
11. Metal Working Process Lab

Mining Engineering

1. Rock Mechanics
2. Mine Environment
3. Mine System Engg.
4. Rock Blasting
5. Mine Surveying
6. Mine Machinery

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.

Physics Department

1. I/II Semester B.Tech Laboratories
2. Materials Science Laboratory
3. Research Laboratory

Chemistry Department

1. UG Laboratory
2. Physical Chemistry Laboratory
3. Organic Chemistry & Synthesis Lab
4. Organic Chemical Technology Lab

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, floor mill, stationary shop, tea stall and also a well furnished canteen. Coffee café 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 modernized 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 Guest House (all rooms Air Conditioned) with dining facility.

9.7 Games and Sports facilities

- One Cricket Ground with Turf wickets.
- One Football Ground with flood light arrangement.
- Two Volleyball Courts with flood light
- One Badminton Court.
- One Table Tennis Room.
- Three Lawn Tennis Courts.
- One Flood light Basketball Court.
- Well equipped Gymnasium (Separate for Boys and Girls)

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

1. Total Number of Hostels : a) Boys Hostels - 9 Nos. - Capacity 2058 students
 b) Girls Hostels - 4 Nos. - Capacity 465 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) - 43 Nos.
 e) Type V (Ass. Prof.) - 08 Nos.
 f) Type VI (Prof.) - 09 Nos.

3. Total No. of Classrooms & their capacity : 100 capacity - 11 Nos.
 60 capacity - 25 Nos.
 50 capacity - 04 Nos.
 40 capacity - 13 Nos.
 30 capacity - 12 Nos.

 Total = 65 Nos.

4. Number of Playgrounds : 10 Nos.
5. Number of Gymnasium : 02 Nos.
6. Number of Auditorium : 01 No.
7. No. of Seminar Halls/ Conference Halls : 08 Nos.
8. Any other Facilities available in the Campus : Medical centre, Shopping centre, Bank,
Post office, Canteen etc.

10 NOTABLE ACHIEVEMENTS / HIGHLIGHTS

Dr. Rajesh Gupta of Civil Engineering Department bagged “Jalsewa Award” from Indian Water Works Association and “G M Nawathe Puraskar” for his paper presented in HYDRO–2009.

Dr. Y.B. Katpatal was awarded the KAMAKSHI GOLD MEDAL for Young Geospatial Scientist by Geospatial World Forum 2011 on 18th January at Hyderabad, India.

Dr. A.R. Tembhurkar received Shri S. P. Unvala Memorial Award

The Hon'ble Governor, Govt. of Maharashtra appointed Dr. D. R. Peshwe of Metallurgical & Materials Engineering Department on Higher & Technical Education & Tribal Education Committee of Vidarbha Statutory Development Board, Nagpur.

Prof. S.U. Pathak was appointed as Member –Advisory Committee for UGC-CAS Phase IV at IISc, Bangalore for the Term 2011-2015

The students of Department of Architecture received following Awards;

1. Atul Lasare, (Final Year) - First prize for the best innovative Use of Steel in Architecture (Year 2009-2010).
2. Ketan Bandekar (4th yr) & Nilesh Kulkarni (5th yr) - First prize (Gold Medal + Rs. 50,000/-) in the Airport Design competition, organized in collaboration by AAI (Airport Authority of India) and Archidesign Magazine.
3. Aseem Jena, Abhay Bhandari & Shailendra Patil (4th yr) - Second prize (Silver Medal + Rs. 30,000/-) in the Airport Design competition, organized in collaboration by AAI (Airport Authority of India) and Archidesign Magazine.
4. Vaishali Rajurkar (4th yr) - First prize (Execution of design + Rs. 25,000/-) for “Art of Relevance.”
5. Ketan Bandekar (4th yr) & Nilesh Kulkarni (5th yr) won second prize in The redesign / retrofit their respective departmental buildings to make it green organized by IGBC Green building design competition, September 2010.

11.0 ANNEXURES**11.1 Institute's Council- Same as 6.1****11.2 Board of Governors**

Sr.No.	Name	Designation
1.	Shri S. S. Sohoni, IAS (Retd.) 4 Manali Apartment, Prabhat Road, 15 th Lane, Pune – 411 004	Chairman
2.	Shri N. K. Sinha, IAS Jt. Secretary to Govt. of India, Deptt. of Secondary and Higher Education, MHRD, 'C' Wing, Shastri Bhavan, New Delhi–110 001	Member
3.	Shri J. S. Saharia, IAS Principal Secretary to Govt. of Mah., Department of Technical Education, Mantralaya Annex, Mumbai–400032	Member
4.	Prof. M. K. Handa Adviser, All India Council for Technical Education (AICTE) 7 th Floor, Chanderlok Building, Janpath, NEW DELHI – 110 001	Member
5.	Dr. Vijay Bhatkar Chairman, Dishnet DSL Limited, 1, Bhuvaneshwar Colony, Off. Abhmanashri Soc. Pashan Rd, Pune – 411 008	Member
6.	Prof. S. V. Bhat Deptt. of Physics, Indian Institute of Science, Bangalore – 560 012	Member
7.	Shri V. R. Jamdar 101, Verma Layout, North Ambazari Road, Nagpur.	Member
8.	Mr. Shashikant Chaudhary CEO, Global Logic (India Delivery Centre), 15B Mauli, Old Sneh Nagar, Yogakshem Layout, Nagpur – 440015	Member
9.	Prof. U. N. Gaitonde Deptt. of Mechanical Engineering, Indian Institute of Technology, Powai, Mumbai – 400 076	Member
10.	Dr. A. G. Deshpande Professor in Mathematics, VNIT, Nagpur	Member
11.	Shri V. N. Rajurkar Asst. Professor in Elect. Engg., VNIT, Nagpur	Member
12.	Dr. S. S. Gokhale Director, V.N.I.T., Nagpur	Member
13.	Dr. B. M. Ganveer Registrar, VNIT, Nagpur	Secretary

11.2 Finance Committee

- | | | |
|----|--|----------------------|
| 1. | Shri S. S. Sohoni, IAS (Retd.)
4 Manali Apartment,
Prabhat Road, 15 th Lane,
PUNE – 411 004 | Chairman |
| 2. | Shri S. K. Ray,
Joint Secretary & Financial Adviser,
Ministry of HRD, 118-C,
Shastri Bhawan, New Delhi–110001 | Member |
| 3. | Shri V. R. Jamdar
101, Verma Layout,
North Ambazari Road, Nagpur. | Member |
| 4. | Dr. S. S. Gokhale,
Director, V.N.I.T., Nagpur | Member |
| 5. | Dr. B. M. Ganveer
Registrar, VNIT, Nagpur | Member-
Secretary |

11.3(a) Building & Works Committee

- | | | |
|----|--|----------|
| 1. | Dr. S. S. Gokhale,
Director,
V.N.I.T., Nagpur | Chairman |
| 2. | Mr. R. K. Bandyopadhyay,
Under Secretary to the GoI,
Department of Higher Education,
Ministry of HRD, "C" Wing,
Shastri Bhawan, New Delhi–110001 | Member |
| 3. | Shri V. R. Jamdar
101, Verma Layout,
North Ambazari Road, Nagpur | Member |
| 4. | Dr. Rajesh Gupta
Dean (P&D), V.N.I.T., Nagpur | Member |
| 5. | Mr. A. P. Raut,
Superintending Engineer (Civil),
Central P.W.D., Bunglow No. 6,
Seminary Hills, Nagpur–440 006 | Member |

- | | | |
|----|--|------------------|
| 6. | Shri Arvind Garg,
Suptd. Engineer (Electrical)
Nagpur Central Electrical Circle,
CPWD, CGO Compelx, B-Block,
3rd Floor, Seminary Hills,
NAGPUR – 440006 | Member |
| 7. | Shri D. N. Potdukhe,
Chief Engineer, Public Works Department,
Bandhkam Sankul, B.No.39/I, Civil Lines,
NAGPUR – 440001 | Member |
| 8. | Supdt. Engineer (Electrical),
Public Works Department,
Bandhkam Sankul, B.No.39/I, Civil Lines,
NAGPUR – 440001 | Member |
| 9. | Dr. B. M. Ganveer
Registrar, VNIT, Nagpur | Member-Secretary |

11.3(b) SENATE

- | | | |
|----|---|------------|
| 1. | Dr. S. S. Gokhale
Director, VNIT, Nagpur | - Chairman |
| 2. | Prof. S. V. Bhat,
Deptt. of Physics, Indian Institute of Science,
Bangalore – 560 012 | - Member |
| 3. | Dr. T. S. Sampath Kumar,
Asso. Prof., Deptt. of Metallurgical & Materials Engg.,
Indian Institute of Technology, Madras,
Chennai – 600 036 | - Member |
| 4. | Prof. R. B. Nair,
Head, Deptt. of Humanities & Social Science,
Indian Institute of Technology, Delhi,
Hauz Khas, New Delhi – 110 016 | - Member |
| 5. | Dr. Rajesh Gupta, Dean (Planning & Development) | - Member |
| 6. | Dr. A. G. Kothari, Dean (Administration) | - Member |
| 7. | Dr. O. G. Kakde, Dean (Research & Consultancy) | - Member |

8. Dr. R. M. Patrikar, Dean (Academics)	- Member
9. Dr. S. S. Umre, Dean (Students Welfare)	- Member
10 Dr. O. R. Jaiswal , Head, Deptt. of Applied Mechanics	- Member
11 Prof. L. M. Gupta, Professor of Structural Engineering	- Member
12 Dr. M. M. Mahajan, Professor of Structural Engineering	- Member
13 Dr. R. K. Ingle, Professor of Structural Engineering	- Member
14 Dr. G. N. Ronghe, Professor of Structural Engineering	- Member
15 Dr. V. A. Mhaisalkar, Head, Civil & Chemical Engg. Deptt.	- Member
16 Dr. P. D. Porey, Professor of Civil Engg.	- Member
17 Dr. A. D. Pophale, Professor of Civil Engg.	- Member
18 Dr. Y. B. Katpatal, Professor of Civil Engg.	- Member
19 Dr. H. M. Suryawanshi, Head, Deptt. of Electrical Engg.	- Member
20 Dr. M. V. Aware, Professor of Electrical Engg.	- Member
21 Dr. K. L. Thakre, Professor of Electrical Engg.,	- Member
22 Dr. K. D. Kulat, Head, Deptt. of Electronics & Comp. Sc.	- Member
23 Dr. A. G. Keskar , Professor of Electronics & Comm.	- Member
24 Dr. C. S. Moghe, Professor of Computer Science Engg.	- Member
25 Dr. S. R. Sathe, Professor of Computer Science Engg.	- Member
26 Dr. Animesh Chatterjee, Head, Deptt. of Mechanical Engg.	- Member
27 Dr. H. T. Thorat, Professor of Mechanical Engg	- Member
28 Dr. N. V. Deshpande, Professor of Mechanical Engg	- Member
29 Dr. I. K. Chopde, Professor of Mechanical Engg.	- Member
30 Dr. P. M. Padole, Professor of Mechanical Engg.	- Member
31 Dr. A. M. Kuthe, Professor of Mechanical Engg.	- Member
32 Dr. A. P. Patil, Head, Deptt. of Metallurgical & Mat. Engg.	- Member
33 Dr. R. K. Paretkar, Professor of Metallurgical & Materials Engg.	- Member
34 Dr. S. U. Pathak, Professor of Metallurgical & Materials Engg.	- Member
35 Dr. D. R. Peshwe, Professor of Metallurgical & Materials Engg.	- Member
36 Dr. S. G. Sapate, Professor of Metallurgical & Materials Engg.	- Member
37 Dr. N. R. Thote, Head, Deptt. of Mining Engg.	- Member
38 Prof. S. Shringarputale, Professor of Mining Engg.	- Member

39 Prof. C. Sabnani, Head, Deptt. of Architecture	- Member
40 Dr. V. S. Adane, Professor of Architecture	- Member
41 Ms. Alpana Dongre, Professor of Architecture	- Member
42 Dr. R. S. Gedam, Head, Deptt. of Applied Physics	- Member
43 Dr. V. K. Deshpande, Professor of Applied Physics	- Member
44 Dr. (Mrs.) Anupama Kumar, Head, Deptt. of Chemistry	- Member
45 Dr. G. P. Singh, Head, Deptt. of Mathematics	- Member
46 Dr. A. G. Deshpande, Professor of Mathematics	- Member
47 Dr. A. K. Tiwari, Professor of Mathematics	- Member
48 Dr. (Ms) M. Ghoshal, Head, Deptt. of Humanities	- Member
49 Dr. S. B. Thombre, Professor of Mechanical Engg & i/c T&P,	- Member
50 Dr. A. D. Ghare, Chief Warden	- Member
51 Dr. B. M. Ganveer	- Secretary

11.3(c) Stores Purchase Committee

1. Shri V. R. Jamdar	Chairman
2. Dr. Rajesh Gupta, Dean (P&F)	Member
3. Dr. O. G. Kakde, Dean (R&C)	Member
4. Dr. A. G. Deshpande, BoG Member	Member
5. Shri R. C. Wase	Member
6. OSD (Stores)	i/c Member-Secretary

11.3(d) Grievance Committee

1. Prof. S. S. Shringarputale	Chairman
2. Prof. V. K. Bakde	Member
3. Shri A. D. Usarbarse	Member
4. Dr. C. V. Chalpati Rao	Member
5. Dr. H. M. Suryawanshi	Member
6. Smt. Chandra Sabnani	Member-Secretary

11.4 Research Projects and Consultation

Ongoing R&D / TAT / MoD Projects

Sr. No.	Title of the Project	Name of the Coordinator	Funding Agency	Amount (Rs.in Lakhs)	Starting year
1.	Water quality reliability based optimal design of water distribution networks	Dr. Rajesh Gupta	UGC	6.56	2007-08
2.	Effect of Retrogressing and Re-Aging parameters on Mechanical and stress corrosion of 7010 AL Alloys	Dr. R K Paretkar	Naval Research Board	27.62	2007-08
3.	Advanced Technology in Mechanical Engineering (FIST)	Department of Mech. Engg.	DST	160.00	2007-08
4.	Characterization and simulation of NANO devices	Dr. R M Patrikar	NANO	272.00	2007-08
5.	Crack Detection in Structural Components Using Non Linear Frequency Response Functions	Dr. A Chatterjee	DARO / AR&DB	9.364	2008-09
6.	FIST Power electronics and Power System protection	Department of Electrical Engineering	DST	130.00	2008-09
7.	Development and testing of customized joint replacement implants using layered manufacturing	Department of Mechanical Engineering	Rajiv Gandhi Science and Technology Commission	50.06	2008-09

Sr. No.	Title of the Project	Name of the Coordinator	Funding Agency	Amount (Rs.in Lakhs)	Starting year
8.	Development of low cost absorbents for the removal of fluoride from drinking water	Dr. D. H. Lataye	DST	15.60	2009-10
9.	Development of software modules for aerial video surveillance using parallel processing	Dr. S R Sathe	DRDO	7.92	2009-10
10.	Development of Standardized design procedure and type design for small elevated service reservoirs	Dr. R K Ingle	Ministry of Rural Development	5.46	2009-10
11.	Development of guidelines and standardized design and drawings of a bridge cum Bandhara system	Dr. R K Ingle	Ministry of Rural Development	5.66	2009-10
12.	Synthesis and application of Ionic Liquids for Deep Desulphurization Liquid fuels	Dr. K L Wasewar	CSIR	8.61	2009-10
13.	Reactive extraction of propionic acid	Dr. K L Wasewar	DST	8.4	2005-06 (Transfer red)
14.	Design & development of decision support tool for sustainable construction	Dr. R V Ralegaonkar	DST	15.50	2009-10

Sr. No.	Title of the Project	Name of the Coordinator	Funding Agency	Amount (Rs.in Lakhs)	Starting year
15.	Development of Standardized Design Procedure and Type Design for Small Elevated Service Reservoirs.	Dr. R K Ingle	Deptt. of Drinking Water Supply	3.70	2009-10
16.	Numerical Methods for Solving Singularly Perturbed Differential Difference Equations	Dr. P P Chakravarthy	DST	9.84	2009-10
17.	Development of green construction material using industrial waste for low cost housing	Dr. Mandavgane	DST	22.01	2010-11
18.	Development of Carbodic Austempered Inoculated Low Carbon	Dr. Ajay Likhite,	SERC	50.00	2010-11
19.	Crack detection in structural components using Non-Linear Frequency Response Functions	Dr. Animesh Chatterjee	AR&DB	9.36	2010-11
20.	Development of Titanium Oxide Based Nanocomposites for Photocatalytic Studies.	Dr. S S Umare	BRNS	21.00	2010-11

11.5 Faculty Position**11.5(a) Faculty Department wise**

Sr.No	Name	Designation & Educational Qualification	
Department of Applied Mechanics			
1.	L. M. Gupta	Professor	Ph.D.
2.	O.R. Jaiswal	Professor	Ph.D.
3.	R. K. Ingle	Professor (CAS)	Ph.D.
4.	G. N. Ronghe	Professor (CAS)	Ph.D.
5.	M. M. Mahajan	Professor (CAS)	Ph.D.
6.	Sachin Bakare	Associate Professor	Ph.D.
7.	R. S. Sonparote	Associate Professor (CAS)	M.Tech.
8.	S. B. Borghate	Assistant Professor	M.Tech.
9.	A. Y. Vyavahare	Assistant Professor	M.Tech.
10.	A. P. Khatri	Assistant Professor	M.Tech
11.	Debarati Datta	Assistant Professor	Ph.D.
Department of Architecture & Planning			
1.	V. S. Adane	Professor	Ph.D.
2.	Smt. Alpana Dongre	Professor	Ph.D
3.	V. S. Kapse	Associate Professor	M.Tech. (Urban Plng.)
4.	V. K. Bakde	Associate Professor	B.Arch., AIIA
5.	Chandra Sabnani	Associate Professor	M.Arch.
6.	R. Kotharkar	Associate Professor	Ph.D.
7.	Akshay P. Patil	Associate Professor	B.Arch, PG Diploma
8.	Smita Khan	Assistant Professor	M.Arch.
9.	A. M. Deshmukh	Assistant Professor	M.Tech.
10.	K. N. Joglekar	Assistant Professor	M.Tech.

Sr.No	Name	Designation & Educational Qualification	
11.	S.M. Deshkar	Assistant Professor	M.Plan
12.	V.V. Ghuge	Assistant Professor	M.Tech.
13.	Amit M Deshmukh	Assistant Professor	M.Tech.
14.	Amit Wahurwagh	Assistant Professor	M.Arch.
15.	Sarika P. Bahadure	Assistant Professor	M.Tech
16.	Pankaj Bahadure	Assistant Professor (Contract)	MCP

Department of Chemical Engineering

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

Department of Civil Engineering

1.	P. D. Porey	Professor	Ph.D.
2.	V.A. Mhaisalkar	Professor	Ph.D.
3.	Rajesh Gupta	Professor	Ph.D.
4.	A. D. Pophale	Professor(CAS)	Ph.D.
5.	Y. B. Katpatal	Professor(CAS)	Ph.D.
6.	D. J. Katyayan	Associate Professor	M.Tech.
7.	A.D.Ghare	Associate Professor	Ph.D.
8.	R.V.Ralegaonkar	Associate Professor	Ph.D
9.	A.R. Tembhurkar	Associate Professor	Ph.D.

Sr.No	Name	Designation & Educational Qualification	
10.	Mrs. M. V. Latkar	Associate Professor(CAS)	Ph.D.
11.	V. S. Landge	Associate Professor (CAS)	Ph.D.
12.	A.D. Vasudeo	Assistant Professor	Ph.D.
13.	D.H. Lataye	Assistant Professor	Ph.D.
14.	S.P. Wanjari	Assistant Professor	M.Tech.
15.	Ms. Shilpa R. Dongre	Assistant Professor	M.Tech
16.	Abhay G.Tawalare	Assistant Professor	M.Tech

Department of Electrical Engineering

1.	A. G. Kothari	Professor	Ph.D.
2.	K. L. Thakre	Professor	Ph.D.
3.	M. K. Khedkar	Professor	Ph.D.
4.	H. M. Suryavanshi	Professor	Ph.D.
5.	M. V. Aware	Professor(CAS)	Ph.D.
6.	S. R. Bhide	Associate Professor	Ph.D.
7.	B. S. Umre	Associate Professor	Ph.D.
8.	V. B. Borghate	Associate Professor	Ph.D.
9.	Madhuri Chaudhari	Associate Professor	Ph.D.
10.	V. N. Rajurkar	Associate Professor(MPS)	M.Tech.
11.	M. R. Ramteke	Associate Professor(CAS)	Ph.D.
12.	S. S. Bhat	Associate Professor(CAS)	Ph.D.
13.	P. S. Kulkarni	Associate Professor(CAS)	Ph.D.
14.	Mrs. A. S. Junghare	Associate Professor(CAS)	Ph.D.
15.	S. R. Tambey	Assistant Professor	M.Tech.
16.	V. S. Kale	Assistant Professor	M.Tech.

Sr.No	Name	Designation & Educational Qualification	
17.	Ms. Nita R. Patne	Assistant Professor	Ph.D.
18.	Ashwin Dhabale	Assistant Professor	M.Tech.
19.	Mrs. R. J.Satputalay	Assistant Professor	M.E.

Department of Electronics & Computer Science

Electronics & Communication Engineering

1.	A. G. Keskar	Professor	Ph.D.
2.	R.M.Patrikar	Professor	Ph.D
3.	K. D. Kulat	Professor	Ph.D.
4.	A. S. Gandhi	Associate Professor	Ph.D.
5.	R. B. Deshmukh	Associate Professor	Ph.D.
6.	Ashwin G. Kothari	Associate Professor	Ph.D
7.	K. M. Bhurchandi	Associate Professor	Ph.D.
8.	H. M. Wabgaonkar	Associate Professor (Contract)	Ph.D.
9.	S.B. Dhok	Assistant Professor	M.Tech.
10.	Vishal R. Satpute	Assistant Professor	M.Tech.
11.	Mrs. Pradnya H. Ghare	Assistant Professor	B.E.
12.	K. Surender	Assistant Professor	M.Tech
13.	Joydeep Sengupta	Assistant Professor	M.Tech
14.	P. Eswara Rao	Assistant Professor(Contract)	M.Tech.

Computer Science Engineering

1.	C. S. Moghe	Professor	Ph.D.
2.	O.G. Kakde	Professor	Ph.D.
3.	S. R. Sathe	Professor	Ph.D.
4.	P. S. Deshpande	Associate Professor	Ph.D.
5.	U. A. Deshpande	Associate Professor	Ph.D.

Sr.No	Name	Designation & Educational Qualification	
6.	R. B. Keskar	Associate Professor	M.Tech
7.	M. Kurhekar	Associate Professor	M.Tech.
8.	A. S. Mokhade	Assistant Professor	M.Tech.
9.	Mrs. Meera Dhabu	Assistant Professor	M.Tech.
10.	Ashish Tiwari	Assistant Professor	M.Tech.
11.	Mrs. Dipti Shrimankar	Assistant Professor	M.Tech
12.	Mrs. Shital Raut	Assistant Professor	M.E.

Department of Mechanical Engineering

1.	H.T. Thorat	Professor	Ph.D.
2.	P. M. Padole	Professor	Ph.D.
3.	N. V. Deshpande	Professor	Ph.D.
4.	I. K. Chopde	Professor	Ph.D.
5.	A. Chatterjee	Professor(CAS)	Ph.D.
6.	S. B. Thombre	Professor (CAS)	Ph.D.
7.	A. M. Kuthe	Professor (CAS)	Ph.D.
8.	S. V. Bopshetty	Associate Professor	Ph.D.
9.	D. B. Zodpe	Associate Professor	Ph.D.
10.	Y.M. Puri	Associate Professor	Ph.D.
11.	J.G. Suryawanshi	Associate Professor	Ph.D.
12.	Atul Andhare	Associate Professor	Ph.D.
13.	A.S. Dhoble	Assistant Professor	M.Tech.
14.	V.M. Nistane	Assistant Professor	M.Tech.
15.	M.S. Kotambkar	Assistant Professor	M.Tech.
16.	Ms. R.V. Uddanwadikar	Assistant Professor	Ph.D

Sr.No	Name	Designation & Educational Qualification	
17.	A.A. Thakre	Assistant Professor	M.Tech.
18.	K.M.Ashtankar	Assistant Professor	M.Tech
19.	Dhananjay Jolhe	Assistant Professor	M.Tech
20.	Hemant Jawale	Assistant Professor	M.Tech
21.	Pravin Sawarkar	Assistant Professor	M.Tech
22.	P.V.Kane	Assistant Professor	M.Tech
23.	Nitin Kumar Lautre	Assistant Professor	M.Tech
24.	Satish Dhandole	Assistant Professor	Ph.D.

Department of Metallurgical & Materials Engineering

1.	S. U. Pathak	Professor	Ph.D.
2.	R. K. Paretkar	Professor	Ph.D.
3.	D. R. Peshwe	Professor	Ph.D.
4.	A. P. Patil	Professor(CAS)	Ph.D.
5.	S. G. Sapate	Professor(CAS)	Ph.D.
6.	A. D. Chopde	Associate Professor	M.E.
7.	V. K. Didolkar	Associate Professor	Ph.D.
8.	S. N. Paul	Associate Professor	Ph.D.
9.	A.A.Likhite	Associate Professor	Ph.D
10.	Jatin Bhatt	Associate Professor	Ph.D
11.	D. V. Moghe	Associate Professor(Designated)	M.Tech.
12.	R.C. Rathod	Assistant Professor	B.E.
13.	R.K. Khatirkar	Assistant Professor	M.Tech.
14.	Y.Y. Mahajan	Assistant Professor	B.E.
15.	Atul R. Ballal	Assistant Professor	M.Tech.
16.	R.V.Taiwade	Assistant Professor	M.Tech

Sr.No	Name	Designation & Educational Qualification	
17.	Mrs. Manjusha Thawre	Assistant Professor	M.Tech
Department of Mining Engineering			
1.	S.B. Shringarputale	Professor	B.E., M.Sc.
2.	I. L. Muthreja	Associate Professor	M.Tech.
3.	N. R. Thote	Associate Professor	Ph.D.
4.	R. R. Yerpude	Associate Professor(CAS)	Ph.D.
5.	S. S. Gupte	Associate Professor(CAS)	M.Tech
6.	Sandeep Panchal	Assistant Professor	M.Tech
Department of Physics			
1.	V. K. Deshpande	Professor	Ph.D.
2.	R.S. Gedam	Assistant Professor	Ph.D.
3.	Mrs. Sujata Patrikar	Assistant Professor	Ph.D.
4.	Mrs. A. V. Deshpande	Assistant Professor	Ph.D.
5.	Mrs. Sushama Giripunje	Assistant Professor	Ph.D.
Department of Chemistry			
1.	S.S. Umare	Professor.	Ph.D.
2.	J.D. Ekhe	Associate Professor(CAS)	Ph.D.
3.	Mrs. Anupama Kumar	Assistant Professor	Ph.D.
4.	Chayan Das	Assistant Professor	Ph.D.
5.	Mrs. R.K. Kawadkar	Assistant Professor	Ph.D.
6.	A.V.Wankhade	Assistant Professor	M.Tech
Department of Mathematics			
1.	A. G. Deshpande	Professor (CAS)	Ph.D.
2.	A. K. Tiwari	Professor (CAS)	Ph.D.

Sr.No	Name	Designation & Educational Qualification	
3.	G. P. Singh	Professor (CAS)	Ph.D.
4.	P.P. Chakravarthy	Associate Professor	Ph.D.
5.	M. Dewakar	Assistant Professor	Ph.D.
6.	Ms. Pallavi Mahale	Assistant Professor	Ph.D.
7.	Naga Raju Gande	Assistant Professor	Ph.D.

Department of Humanities

1.	Y.M.Deshpande	Associate Professor	Ph.D
2.	Ms. M. Ghosal	Associate Professor(CAS)	Ph.D., High Dip. in French,
3.	G.N.Nimbarte	Assistant Professor	M.A.

Physical Education

1.	V.R. Wanjari	Lecturer (SG)	M.P.Ed.
2.	Simon Robin	Lecturer	M.P.Ed.
3.	P.S. Nagrale	Lecturer	M.P.Ed.

11.5(b) Faculty with administrative responsibility

Sr. No.	Name	Designation
1.	Dr. S. S. Gokhale (upto 19.10.2010)	Director
	Dr. C. S. Moghe (from 20.10.2010 onwards)	I/c Director
2.	Dr. A. G. Kothari, Professor in Electrical Engineering	Dean (Adm)
3.	Dr. Rajesh Gupta, Professor in Civil Engg.	Dean (P & D)
4.	Dr. O.G.Kakde, Professor in Electronics & Comp.Sci. Engg.	Dean (R & C)
5.	Dr.R.M.Patrikar, Professor in Electronics & Comp.Sci. Engg.	Dean (Acad.)
6.	Dr. S.S.Umare, Professor in Chemistry	Dean (Students Welfare)

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| 7. | Dr. S.B.Thombre, Professor in Mechanical Engg.. | I/c Professor (T & P) |
| 8. | Dr. A.D.Ghare Associate Professor in Civil Engg. | Chief Warden |

11.5(c) Heads of the Academic Departments

Department	Head
Applied Mechanics	Dr. O. R. Jaiswal
Architecture & Planning	Smt. C. Sabnani
Chemical Engineering	Dr. K. L. Wasewar
Civil Engineering	Dr. V. A. Mhaisalkar
Electrical Engineering	Dr. M. K. Khedkar
Electronics & Computer Science Engineering	Dr. K. D. Kulat
Mechanical Engineering	Dr. A. Chatterjee
Metallurgical & Materials Engineering	Dr. A. P. Patil
Mining Engineering	Dr. N. R. Thote
Physics	Dr. R. S. Gedam
Chemistry	Dr. Anupama Kumar
Mathematics	Dr. A. K. Tiwari
Humanities	Dr. Y. M. Deshpande

11.6 Administrative / Technical Officers

Sr. No	Name	Designation
1.	Dr. S. S. Gokhale (upto 19.10.2010)	Director
	Dr. C. S. Moghe (from 20.10.2010 onwards)	I/c Director
2.	Dr. B.M. Ganveer	Registrar

3.	Mr. D.M. Parate	Dy. Registrar
4.	Mr. 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.	Mr. A. H. Marne (on contract)	Internal Audit Officer
13.	Mr. V.V. Sohoni	Principal Technical Officer
14.	Mr. D.H. Maiske	System Manager
15.	Mr. V.J. Abhyankar	System Analyst
16.	Mrs. M.R. Pimple	Programmer
17.	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
Chemical Engineering Department		
S. Mandavgane	Skill upgradation programme sponsored by KVIC	Mar 15-19, 2011
Civil Engineering Department		
V. A. Mhaisalkar	Water Treatment Plant Design	Jan 7-13, 2011

Name of the Coordinator	Title	Duration
V. A. Mhaisalkar	Training on “Quality Assurance and Quality Control of Water Quality Monitoring” Sponsored by Maharashtra Pollution Control Board (MPCB), Mumbai	Oct 21-22, 2010
V. A. Mhaisalkar	National Conference on Case Studies in Environmental Management	Mar 5-6, 2011
Rajesh Gupta	Computer aided design of pipelines and pipe networks for water supply and sewerage systems	Nov 18-24, 2010
A. R. Tembhurkar	National Conference on Case Studies in Environmental Management, VNIT, Nagpur,	Mar 5-6, 2011
V. S. Landge	Murum as a construction material for low cost rural roads	One day
Rajesh Gupta R. V Ralegaonkar & A. D. Ghare	National Conference on ‘Sustainable Development of Urban Infrastructure’ VNIT, Nagpur	Jun 18-19, 2010
Electrical Engineering Department		
S. S. Bhat	Training Program on ‘Matlab & Simulink’ MathWorks training Services, VNIT, Nagpur.	Nov 9-12, 2010
Electronics & Computer Science Engineering Department		
Electronics & Communication Engineering		
R. M. Patrikar	The Fourth ISSS National Conference on Microsystems, Smart Materials, Structures organized at Visvesvaraya National Institute of Technology, Nagpur (VNIT, Nagpur) on behalf of Institute for Smart Structures and Systems (ISSS)	Sep 30 – Oct 1 2010

Name of the Coordinator	Title	Duration
R. M. Patrikar	Wokshop on "Characterization and Simulation Tools for	Jan 29, 2011
R. B. Deshmukh	Nanodevices"	
Computer Science Engineering		
P. S. Deshpande	International Conference on Management of Data	Dec 8-10, 2010
A.S. Mokhade	(COMAD-10)	
R. B. Keskar	Two Week ISTE Workshop on "Effective teaching/learning of Computer Programming" under the MHRD National Mission on Education through ICT, in association with IIT, Bombay.	Jun 28 - Jul 10, 2010
Mrs. D. D. Shrimankar	Two Weeks ISTE Workshop on "Database Management Systems" under the MHRD National Mission on Education through ICT, in association with IIT, Bombay.	Dec 13-23, 2010
Mechanical Engineering Department		
P. M. Padole	2nd National workshop of Indian Blacksmith forum "Agriculture Tools & Traditional blacksmithy AIRC, Bardoli, Gujrat, India	20-22 Jan 2011
Physics Department		
V.K. Deshpande	Indo-Japanese Workshop on "Solid State Ionic Devices" on 1 st March 2011.	March 1, 2011

II. Staff Members deputed by the Institute

Name	Name of Programme	Organizing agency/sponsors	Date
Chemical Engineering Department			
M. N. Varma	(i) Advances in Biofuel Research	IIT Guwahati	Nov 29 – Dec 3, 2010
M. N. Varma	(ii) Scientific Computing in Chemical Engineering	IIT Guwahati	Dec 6-10, 2010
K. L. Wasewar	(i) Short Term Course on “Advanced Computing in Engineering and Sciences (ACES)”	IIT Kanpur	Oct 5-9, 2010
K. L. Wasewar	(ii) 5 th Summer School on ‘Petroleum Refining and Petrochemicals	Indian Oil Institute of Petroleum Management, Gurgaon	Jun 7-11, 2010
Civil Engineering Department			
Rajesh Gupta	(i) National Conference on Sustainable Development of urban Infrastructure	VNIT	Jun 18-19, 2010
	(ii) International Conference on Sustainable Water Resource Management and Treatment Technologies	NEERI, IWA, and IWWA	Jan 19-21, 2011
Y. B. Katpatal	(i) International Indo Italian Workshop on Sustainable	Italian Embassy and NEERI	Oct 20, 2010

Name	Name of Programme	Organizing agency/sponsors	Date
	development of Groundwater Resources at NEERI Nagpur, organized by NEERI & CNR-IGAG (Italy)		
	(ii) International Conference on “Sustainable water resources management and treatment technologies”	NEERI Nagpur	Jan 19, 2011
	(iii) National Conference on ‘ Case Studies in Environmental Management’ organised by Association of Environmental Engineers and VNIT at VNIT Nagpur during 5th and 6th March, 2011.	VNIT Nagpur	Mar 5-6, 2011
D. J. Katyayan	(i) National conference on “Case Studies in Environmental Management”,	VNIT, Nagpur.	Mar 5-6, 2011
	(ii) National Conference on “Sustainable Development of Urban Infrastructure”,	VNIT, Nagpur.	Jun 18-19, 2010
Mrs. M. V. Latkar	(i) National Conference on “Sustainable Development of Urban Infrastructure”,	VNIT, Nagpur.	Jun 18-19, 2010

Name	Name of Programme	Organizing agency/sponsors	Date
	(ii) International Conference on 'Bio-energy from Wastes: Green Chemistry Intervention'	NEERI, Nagpur	Nov 25-26, 2010
V.S.Landge	Statistical modeling and data analysis	IIT Kharagpur	Dec 11-23, 2010
R. V. Ralegaonkar	(i) India International Energy Summit- 2011	VNIT, Nagpur	Jan 28-31, 2011
	(ii) International Perspective on Water & Environment	NUS, Singapore	Jan 4-6, 2011
	(iii) Indo-Norwegian Workshop on Environmental Friendly Strategy for Waste Management in India utilizing Cement and Concrete Production Technology	NEERI Nagpur	Oct 6, 2010
	(iv) Awareness Program on 'Green Campuses and GRIHA National Rating'	MNRE, New Delhi	Jun 2, 2010
	(v) Case Studies in Environmental Management	VNIT, Nagpur	Mar 5-6, 2011
S. P. Wanjari	(i) Workshop on "Case Studies in Environmental Management	VNIT, Nagpur	Mar 5-6, 2011

Name	Name of Programme	Organizing agency/sponsors	Date
	(ii) Roving Seminar on Adv. Concrete Technology	Indian Concrete Institute, Nagpur	Jan 13, 2011
	(iii) Construction Equipment, New Construction Material	BC India Show Bandra Kurla Complex, Mumbai	Feb 7-11, 2011
S. R. Dongre	(i) National conference on “Case Studies in Environmental Management”.	VNIT, Nagpur.	Mar 5-6, 2011
	(ii) International Conference on “Bio-energy from wastes: Green chemistry interventions”.	NEERI, Nagpur	Nov 25-26, 2010
Electrical Engineering Department			
M. V. Aware	Collaborating with universities	Commonwealth Scholarship commission, LONDON, UK	Feb 18, 2011
S. S. Bhat	International Reseach Collaboration with Prof. Van Cutsem of University of Liege, Belgium	University of Liege, Belgium	Nov 29 to Dec 7, 2010
P. S. Kulkarni	International Workshop on “Challenges in Smart Grid & Renewable Resources”	IEEE PES Banglore Chapter and IEEE Banglore Section	14-15 May 2010, Infosys Campus, Mysore.

Name	Name of Programme	Organizing agency/sponsors	Date
Electronics & Computer Science Engineering Department			
Electronics & Communication Engineering			
Vishal R. Satpute	Workshop On basic Electronics	IIT Bombay, Mumbai	Feb 28 - Mar 5, 2011
Eswara Rao P.	IEP workshop on Low power and low noise OPAMP.	SMDP-II at IIT Delhi	Mar 14-19, 2011
K M Bhurchandi A.S. Gandhi	Consultancy and Technology Transfer Workshop	Consultancy Development Cell, Govt of India, New Delhi At NEERI, Nagpur	Mar 3-5, 2011
Joydeep Sengupta	Embedded system design	IIT Kharagpur	Jan 4-8, 2010
Computer Science Engineering			
U. A. Deshpande	TCS Excellence in Computer Science Workshop	TRDDC, Pune	Jan 3-7, 2011
Shital A. Raut	Bioinformatics-Drug design and genome analysis	IIT Delhi	Aug 17-23, 2010
Deepti Shrimankar	PEMG-2010 “Performance Enhancement on Multicore processors and GPU’s”	C-DAC Pune & Banglore.	Jun 21-24, 2010
Mechanical Engineering Department			
P. V. Kane	(i) Short term course on	AICTE & BARC –	Sept. 2-8,

Name	Name of Programme	Organizing agency/sponsors	Date
	Micromachining.	sponsored at IIT, Kanpur, Deptt. Of Mech. Engg.	2010
	(ii) Workshop on Excellence through TQM in Production & Service sector	Regional Directorate Central Board for Workers Education, Ministry of Labor & Employment, Govt of India.	July 21-22, 2010
	(iii) Half day workshop on Teachers Awareness towards issue of physically challenged (Abylly differently studies).	VNIT, Nagpur	July 9, 2010
A. M. Kuthe	(i) World Congress on Computational Mechanics 2010	University of South Whales Sydney, Australia.	July 19-23, 2010
	(ii) STTP	Prof. Ram Meghe Institute of Technology Badnera, Amravati.	Dec 6-18, 2010
Nitin K. Lautre	2nd International conference, ICMEE	Kyoto, Japan	Aug 2-4, 2010
M. S.Kotambkar	(i) Finite Element Analysis and ANSYS	F. E. Solutions, Pune	May 6 to June 11, 2010

Name	Name of Programme	Organizing agency/sponsors	Date
	(ii) Vibration Monitoring of Machines	IIT Bombay	Sept 27-29, 2010
P.M. Padole	(i) 2nd National workshop of Indian Blacksmith forum “ Agriculture Tools & Traditional blacksmithy AIRC	Bardoli, Gujrat, India	Jan 20-22, 2011
	(ii) Indo –UK workshop on bridging the urban and rural divide	Wardha	Oct 19-21, 2010
	(iii) Renaissance 2011	BITS Pilani	Mar 4-6, 2011
P. D. Sawarkar	(i) “Advances in Computational Sciences with Applications”	I I T Kharagpur	Nov 22-27, 2010
	(i) Five day ISTE Workshop for coordinators on “Thermodynamics in Mechanical Engineering”	I I T Bombay, Mumbai	Feb 21-25, 2011
R. V. Uddanwadikar	STTP on Recent Trends in Industrial Pollution and Energy Management.	MANIT, Bhopal	May 9-13, 2011.
H. P. Jawale	Workshop on Robotics	IIT, Mumbai	Jan 29-30, 2010
Metallurgical & Materials Engineering Department			
J. Bhatt	(i) Seminar on “Rapidly Solidified Materials: Present and Future Trends in India”	Defence Metallurgical Research Lab, Hyderabad	Sept. 2010

Name	Name of Programme	Organizing agency/sponsors	Date
	(ii) Technical discussion on "Semiconductor Technology and Processing"	Gwangju Institute of Science and Technology (GIST), South Korea	Dec. 2010
	(iii) Work shop on "Cooperation in Biomass and Plasma Technologies"	Lavasa, Pune	Nov. 2010
	(iv) 2 nd National Workshop of "Indian Blacksmithy"	Agricultural Tools Research Centre, Suruchi Vasahat PO Box no 4, Bardoli, Surat	Jan. 2011
	(v) Discussion Meeting on "Present Understanding and Future prospects of phase and Microstructure Evolution in Severe Plastic Deformation Processes"	Indian Academy of Sciences, Coorg	Feb. 2011
A. R. Ballal	(i) International Symposium on Energy Materials	CGCRI Kolkata	Mar.2011
	(ii) BRNS Discussion Meeting	BARC Mumbai	Jul. 2010
	(iii) MATLAB and SIMULINK workshop	VNIT, Nagpur	Dec. 2010
D. R. Peshwe	(i) National workshop on Rural Blacksmithy Suruchi Yantra Vasahat Trust	VNIT & SVNIT at Bardoli, Gujrat	Feb. 2011
	(ii) International conference 'Shaping the future of Indian higher	Emerging Directions in Global Education	Mar. 2011

Name	Name of Programme	Organizing agency/sponsors	Date
	education'	(EDGE), New Delhi	
	(iii) National conference on Social sensitization – Renaissance 2011	BITs Pilani, Rajasthan	Mar. 2011
R. K. Paretkar	(i) National workshop on Rural Blacksmithy Suruchi Yantra Vasahat Trust	VNIT & SVNIT at Bardoli, Gujrat	Feb. 2011
	(ii) BRNS Discussion Meeting,	BARC Mumbai	Jul. 2010
	(iii) Annual Symposium of AR&DB Structural Panel	Guwahati	May 2010
S. U. Pathak	National workshop on Rural Blacksmithy Suruchi Yantra Vasahat Trust	VNIT & SVNIT at Bardoli, Gujrat	Feb. 2011
A. A. Likhite	Two day course on Materials Characterization and Failure Analysis	IIT Madras, Chennai	Mar. 2011
R. K. Khatirkar	(i) NRC-M workshop on Joining of Materials	IISc, Bangaluru and NIT, Trichy	Dec. 2010
	(ii) Microstructural Engineering (Microstructure-2010)	IIT Bombay and BARC, Mumbai	Nov. 2010
	(iii) MATLAB and SIMULINK workshop	VNIT, Nagpur	Dec. 2010
R. V. Taiwade	NRC-M workshop on Joining of Materials	IISc, Bangaluru and NIT, Trichy	Dec. 2010

Name	Name of Programme	Organizing agency/sponsors	Date
A. P. Patil	(i) MATLAB and SIMULINK workshop	VNIT, Nagpur	Dec. 2010
A. P. Patil	(ii) Mechanism, occurrences & mitigation of corrosion degradation in nuclear power plant-MOMCD2011	BARC Mumbai	Feb 12-13, 2011
Mining Engineering Department			
N. R. Thote	(i) International Conference on Rock Mechanics	ISRM Indian Chapter, New Delhi	Oct 23-27, 2010
N. R. Thote	(ii) National seminar on Underground Coal Mining "The Future of over ground lies belowground"	S.C.C.L. Hyderabad	Aug 28, 2010
Sandeep Panchal	National seminar on Underground Coal Mining "The Future of over ground lies belowground"	S.C.C.L. Hyderabad	Aug 28, 2010
N. R. Thote	National seminar on Management of mineral resources	I.M.E. Asso. Hyderabad	Jul 27, 2010
Architecture & Planning Department			
Pankaj Bahdure	Documentation of Heritage Buildings	LAD, Nagpur (NIASA)	Dec 13-17, 2010
Sarika Bahdure	Planning and Design of Sustainable Urban Settlements	IIT Roorkee	Mar 7-11, 2011
V. S. Adane	International Conference on "Advancing the Understanding of Bio-safety" and Aichi Prefecture (COP-	Graduate School of Environmental Studies Nagoya	Oct. 2010

Name	Name of Programme	Organizing agency/sponsors	Date
	MOP 5)	University, Japan	
A.R.Dongre	'Green Building Congress 2010'	CII Hyderabad and IGBC at Chennai.	Oct 7-9, 2010
A.R.Dongre, Akshay Patil, V.V. Ghuge, Sarika Bahadure & A. Wahurwagh	(i) National Conference on 'Sustainable Development of Urban Infrastructure'	Department of Civil Engineering, VNIT, Nagpur	Jun 18-19, 2010
	(ii) Workshop on "Statistical Data Analysis using SPSS"	Institute of Management Technology, Nagpur.	Jul 13-14, 2010
V.K.Bakde	Sustainable Development of Hill Areas	ITPI Uttarakhand Chapter & IIT Roorkee	Dec 11, 2010.
V.K.Bakde, V.S. Kapse, Sarika Bahadure & Pankaj Bahadure	Designing Logistic Park	MRC, ITPI, Nagpur	Aug 21, 2010.
V.K.Bakde, V.S. Kapse, Amit Deshmukh, Sarika Bahadure & Pankaj Bahadure	Better City, Better Life	MRC, ITPI, Nagpur	Oct 9. 2010.

Name	Name of Programme	Organizing agency/sponsors	Date
V.S. Kapse, Akshay Patil & Pankaj Bahadure	Case Studies in Environmental Management	VNIT, Nagpur	March 5-6, 2011
V.S. Kapse	(i) West zone conference on “Green & Sustainable Cities”, (ii) South zone conference on “Metropolitan Governance Heritage Conservation, Natural Areas and Education”	ITPI, Ahmadabad ITPI, Mysore.	Apr 3, 2010
	(iii) GIS in planning	ITPI, New Delhi	Sep 25, 2010
V.S. Kapse & Aniket Deshmukh	National Congress on Land as a Resource for Urban Development	ITPI at Panchkula, Haryana	Feb 10-12, 2011
Akshay Patil	Signal Processing with Simulink, MathWorks Training Services	VNIT, Nagpur	Dec 2-3, 2010
Sameer Deshkar	(i) SIG-11 (Transportation and Environment) of World Conference on Transport Research Society 2010	Nagoya, Japan	
	(ii) Participated as observer in the Conference of Parties 10 under the UN Convention on Biological Diversity held at Nagoya, Japan	Nagoya, Japan	Oct 18-23, 2010
	(iii) Attended City Biodiversity Summit 2010, held as a concurrent event of		Oct 24-26, 2010

Name	Name of Programme	Organizing agency/sponsors	Date
	UNCBD COP 10		
Rajshree Kotharkar	India International Energy Summit – 2011, VNIT Nagpur		Jan 28-31, 2011
Physics Department			
R.S.Gedam	Workshop on Characterization and Simulation Tools for Nanoelectronics	Department of Electronics and Comp. Science, VNIT, Nagpur	Jan 29, 2011
V.K. Deshpande	(i) International Symposium on “Synthesis and Characterization of glass and glass-ceramics.”	C-MET, Pune	Jun 9-10, 2010
	(ii) Indo Japanese Joint Research Program on “Thin Film Solid State Batteries”.	Institute for Multidisciplinary Research on Advanced Materials (IMRAM) Tohoku University Sendai, Japan.	Mar 4-17, 2011.
Mrs. A.V.Deshpande	Fourth ISSS National Conference on “Microsystems, Smart Materials, Structures”.	V. N. I. T., Nagpur.	Sep 30 – Oct 1, 2010
Mrs. S.R.Patrikar	STTP on Nanophase and nanostructured materials	I.I.T. Roorkee	Feb 21-25, 2011

Name	Name of Programme	Organizing agency/sponsors	Date
Mrs. S. M. Giripunje	(i) STTP on Nanophase and nanostructured materials (ii) STTP on “ Beyond Chalk and Talk; New Age Pedagogy”	I.I.T. Roorkee	Feb 21-25, 2011
Chemistry Department			
Mrs. A. Kumar	(i) Characterization and simulation tools for nanoelectronics	Department of Electronics and Computer Science Engineering, VNIT Nagpur	Jan 29,2011
	(ii) International workshop on advances in disinfection technologies (WADIS 2K11)	National Environmental Engineering Research Institute, VNIT Nagpur	Feb 9, 2011
J. D. Ekhe	(i) UGC Exchange Prog	University Deptt. of Chemistry, SGBAU, Amravati.	Oct 20, 2010
	(ii) STTP on Separation Science	UGC	Nov 22, 2010
Mathematics Department			
G. P. Singh	Annual Conference of the Indian Mathematical Society	S V National Institute of Technology, Surat	Dec 27-30, 2010
P. P. Chakravarthy	(i) International Conference on	NIT, Rourkela	Jan 11-13,

Name	Name of Programme	Organizing agency/sponsors	Date
	"Challenges and Applications of Mathematics in Science and Technology"		2010.
	(ii) International Congress of Mathematicians (ICM) 2010	University of Hyderabad, India.	Aug 19-27, 2010
M. Devakar	(i) International Congress of Mathematicians (ICM) 2010	University of Hyderabad, India.	Aug 19-27, 2010
	(ii) 55th Congress of Indian Society of Theoretical and Applied Mechanics(ISTAM)- An International meet	National Institute of Technology, Hamirpur, Himachal Pradesh, India.	Dec 18-21, 2010
Ms. Pallavi Mahale	(i) International conference of Women Mathematics	University of Hyderabad	Aug 17-18, 2010
	(ii) International congress of Mathematicians	University of Hyderabad	Aug 19-27, 2010
	(iii) Workshop on "Variational Analysis and Optimization with applications to PDEs"	IIT Ghadhinagar	Apr 1-4, 2011.
G. Naga Raju	(i) Advanced Training Mathematics School for Lecturers in Partial Differential Equations	TIFR Center for Applicable Mathematics	December 13-24, 2010.
	(ii) Workshop on "Variational Analysis and Optimization with applications to PDEs"	IIT Ghadhinagar	April 1 – 4, 2011.

Name	Name of Programme	Organizing agency/sponsors	Date
Humanities Department			
M. Ghoshal	(i) Training Young Learners for Cambridge ESOL	Macmillan	Feb 5, 2011
	(ii) National Seminar on Translation Studies : New Frontier	D.N.C., Nagpur	Feb 12, 2011
	(iii) Translation Yesterday, Today & Tomorrow	J. M. Patel College of Arts, Commerce & Science, Bhandara	Feb 17, 2011
G. N. Nimbarte	International Conference on (Management of MSMECON-10)	Institute of Management and Technology, Nagpur	Sep 17-18, 2010

III. Publications

(A) Published work (by the faculty during the year 2010-11)

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
Applied Mechanics Department				
H. S. Chore,	2010	Building Frame-Pile	Interaction and Multiscale	49-73
R. K. Ingle and		Foundation-Soil Interaction	and Mechanics (IMM), An	
V. A. Sawant		Analysis: A Parametric Study	Int. journal (Technopress Group), 3 (1)	
Chemical Engineering Department				
K. L. Wasewar,	2011	(i) Reactive Extraction of	Ind. Eng. Chem. Res., 50,	1003-
D. Z. Shende,		itaconic acid using Aliquat		1011
Amit Keshav		336 in various diluents		

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
	2011	(ii) Reactive Extraction of itaconic acid using Aliquat 336 and TBP in sunflower oil as a nontoxic solvent	J. Chem. Technol. Biotechnol., 86,	319-323
K. L. Wasewar, D. Z. Shende	2011	(i) Reactive Extraction of Caproic Acid using Tri-n-butyl Phosphate in Hexanol, Octanol, and Decanol	J. Chem. Eng. Data, 56,	288-297
	2010	(ii) Extraction of caproic acid using tri-n-butyl phosphate in benzene and toluene at 301K	J. Chem. Eng. Data, 55(9),	4121-4125
K. L. Wasewar, Pradeep Kumar, Shri Chand, Padmini B.N., Tjoon Tow Teng	2010	Adsorption of cadmium ions from aqueous solution using granular activated carbon and activated clay	CLEAN, 38(7),	49-56
Amit Keshav, K. L. Wasewar, Shri Chand	2010	Reactive extraction of propionic acid using aliquat 336 in 2 octanol: Linear Solvation Energy Relationship modeling and kinetics study	Chem. Biochem. Eng. 24(1), ,	67-73
K. L. Wasewar	2010	Adsorption of metals onto tea factory waste: a review	Int. J. Res. Rev. App. Sci., 3(3),	303-322

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
K. L. Wasewar, Amit Keshav, Seema	2010	Physical extraction of propionic acid, International	Int. J. Res. Rev. App. Sci., 3(3),	290-302
S. S. Sonawane, S. Mishra, N. G. Shimpi, A. P. Rathod, K. L. Wasewar	2010	Comparative Study of the Mechanical and Thermal Properties of Polyamide-66 Filled with Commercial and Nano-Mg(OH) ₂ Particles	Polymer-Plastics Technol. Eng., 49(1), ,	38-44
V. R. Shelke, S. S. Bhagade, S.Mandavgane	2010	Mesoporous Silica from Rice Husk Ash	Bull Chem Reac Engg Cat 5 (2), ,	63 – 67
S. S. Sonawane S . mishra N. G. Shimpi	2010	Effect of Nano-CaCO ₃ on Mechanical and Thermal Properties of Polyamide Nanocomposites	Polymer-Plastics Technology and Engineering 49;	38–44
M. N. Varma G. Madera	July 2010	(i) Synthesis of biodiesel in supercritical alcohols and supercritical carbon dioxide	Fuel, Volume 89, Issue 7	1641-1649
	April 2010	(ii) Kinetics of enzymatic synthesis of geranyl butyrate by transesterification in various supercritical fluids	Biochemical Engineering Journal, Volume 49, Issue 2	250-255
	April 2010	(iii) Effect of chain length of alcohol on the lipase-	Applied Biochemistry and Biotechnology, Volume	2342-2354

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
		catalyzed esterification of propionic acid in supercritical carbon dioxide	160, Issue 8	
K. L. Wasewar M. Siva Kumar	2011	Liquefied Petroleum Gas: Fire and Explosion hazards, mathematical Models and Safe Storage	IUP J. Chem. Eng., 3(1), ,	61-76
D. Z. Shende, K. L. Wasewar	2011	Stacked Configuration of Fluidized Catalytic Cracking Unit: A Review	IUP J. Chemistry, 4(1),	64-75
K. L. Wasewar M. Siva Kumar	2010	Quantitative Risk Assessment (QRA) of A Petroleum Refinery	IUP J. Chemistry, 3(4),	
Ajit P Rathod, K. L. Wasewar, S. S. Sonawane	2010	Pervaporation Reactor: Principles and Applications	IUP J. Chemistry, 2(4), ,	54-66
K. L. Wasewar, Amit Keshav, V. K. Agarwal, S. S. Sonawane	2010	Reactive extraction of citric acid from aqueous solutions using tri-n-octylamine in MIBK	IUP J. Chemistry 3(3),	7-19
K. L. Wasewar Suchita B. Rai	2010	Utilization of red mud and its neutralization for safe disposal: Indian scenario	J. Future Eng. Tech. 5(3),	1-8

Civil Engineering Department

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
V.A.Mhaisalkar, P. Chakravarty, T.Chakrabarti	2010	Study on Polyhydroxyalkanoate (PHA) Production in Pilot Scale Continuous Mode Wastewater Treatment System	International Journal Bioresource Technology 101(2010)	2896- 2899
V.A.Mhaisalkar, Padma S. Rao S. Devotta	2010	An approach for Estimating Green House Gas Emission Inventory and Modeling in a Petroleum Refinery	Published in the Book entitled "Disaster Management" APH Publishing Corporation, New Delhi 2010	292
V.A.Mhaisalkar, Padma S. Rao, D. Som, A. Srivastava S. Devotta	2010	Hydrocarbons Emission Pattern in Indian Cites	Published in the book entitled " Natural & Man Made Disasters: Vulnerability, Preparedness & Mitigation", MD Publishers, New Delhi	167 - 173
Y. B. Katpatal, Y. A. Dube,	2010	Comparative Overlay Analysis through Analytical Hierarchical Process to Delineate Groundwater Potential Zones Using Satellite Data,	International Journal of Earth Sciences and Engineering, ISSN 0974- 5904 Volume 3, No. 5,	638- 653.
Y. B. Katpatal, S. A. Patil	2010	Spatial analysis on impacts of mining activities leading to	Int. J Flood Risk Management ,3 (2010)	80-87.

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
		flood disaster in the Eraiwatershed, India		
B. V. Khode, A.R.Tembhurkar P. D. Porey R. N. Ingle	2010	Improving Discharge Capacity over Spillway by Labyrinth Weir	World Applied Science Journal, 10(6)	709-714
B.V. Khode, A.R.Tembhurkar P. D. Porey, R. N. Ingle	2011	Determination of Crest Coefficient For Flow Over Trapezoidal Labyrinth Weir	Journal of Water science & Technology 12(3)	324 - 329
B.V. Khode, A.R.Tembhurkar P. D. Porey, R. N. Ingle.	2010	Experimental Studies For Improvement In Discharge Capacity Of Open Spillway By Apr-june Labyrinth Weir	Journal of Indian Water Work Association ,	---
R.V.Ralegaonkar Gupta Rajiv	2010	Review of Intelligent Building Construction: A Passive Solar Architecture Approach	International Journal of Renewable and Sustainable Reviews, Elsevier, 14	2238-2242
R.V.Ralegaonkar Rajiv Gupta	2010	Application of Passive Solar Architecture for Intelligent Building Construction: A Review.	International Journal of Energy, Education, Science and Technology, Turkey, 26(1)	75-85
R.V.Ralegaonkar	2010	Thermal Performance Assessment of Building	Architectural Engineering Journal, IE(I), India,91	19-23

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
		System by Software Approach		
V. Ghuge, A. Bharat R.V.Ralegaonkar	2010	Understanding thermal comfort in Urban Outdoor Spaces: a literature review	Architecture Time Space & People	20-22.
R.V.Ralegaonkar Ghughe V.	2010	Policies and Tools for Shadow Analysis of a Green Neighborhood	Journal of Energy and Fuel user's Asso of India, LX-1	35-37.
Electrical Engineering				
M. M. Renge H.M.Suryawanshi	January 2011	Multilevel Inverter to Reduce Common Mode Voltage in AC Motor Drives Using SPWM Technique	Journal of Power Electronics (JPE), Vol. 11, No. 1	21-27
M. M. Renge H.M.Suryawanshi	July 2010	Three-Dimensional Space Vector Modulation to Reduce Common-Mode Voltage for Multilevel Inverter	IEEE - Trans. on Industrial Electronics, Vol. 57, No.7	24-31
M. M. Renge H.M.Suryawanshi	March 2010	Digitally Implemented Novel Technique to Approach Natural SPWM	EPE - European Power Electronic and Drives – Journal, Vol. 20, No.1	13-20
V. B. Virulkar M. V. Aware	2010	Modeling and control of DSTATCOM with BESS for mitigation of flicker	Asian Power Electronic Journal, Vol. 4, No.1	8-15
V. B. Virulkar M. V. Aware	2010	Reactive and real power compensation with	Journal of Power and Energy conversion,	384-398

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
		DSTACOM & BESS for mitigation of flicker	V.1,No.1	
S. W. Mohod M. V. Aware	2010	A STATCOM-Control Scheme for Grid Connected Wind Energy System for Power Quality Improvement	IEEE System journals, Vol. 4, No. 3	151-159
S. W. Mohod M. V. Aware	2010	Micro wind power generators with BESS for UPS applications	Open Renewable Journal, Vol.3,No. 2	89-95
S. W. Mohod M. V. Aware	2010	Battery energy storage to strengthen the wind generation in integrated power system	Journal of Electronic Science and Technology, Vol. 9, No. 1	23-30
S. B. Bodkhe M. V. Aware	2010	Robust Method for Stator Current Reconstruction from Dc Link in a Sensorless Induction Motor Drive	IJEST Special issue on Power Electronics and intelligent motion control, Vol.2,No.10	87-99
S. B. Bodkhe, S. G. Tarnekar, M. V. Aware	2010	Induction Motor Model Selection Criterion for Parameter Estimation in Speed Sensorless Drive	International Journal of Power Electronics-Special Issue on Motion Control, Vol.2,No.3	215-246
P. P. Bedekar, S. R. Bhide, V. S. Kale	2011	Fault Section Estimation in Power System using Hebb's Rule and Continuous Genetic Algorithm	International Journal of Electrical Power and Energy Systems, Elsevier Publication	457-465

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
			Vol. 33, No. 3	
P. P. Bedekar, S. R. Bhide	2011	Optimum Coordination of Directional Overcurrent Relays Using the Hybrid GA-NLP Approach	IEEE Transactions on Power Delivery, Vol. 26, No. 1	109 - 119
P. P. Bedekar, S. R. Bhide, V. S. Kale	2010	Optimum Coordination of Overcurrent Relay Timing Using Simplex Method	Electric Power Components and Systems (Taylor and Francis), V.38, No. 10	1175- 1193
P. P. Bedekar, S. R. Bhide, V. S. Kale	2010	Optimum Coordination of Overcurrent Relays Using Revised Simplex Method	The Journal of CPRI, Vol. 6, No. 1	33-42
P. P. Bedekar, S. R. Bhide, V. S. Kale	2010	Determining Optimum Time Multiplier Setting and Plug Setting of Overcurrent Relays Using Continuous Genetic Algorithm	The Journal of CPRI Vol. 6, No. 1	87-96
P. P. Bedekar, S. R. Bhide, V. S. Kale	2010	Optimum PMU Placement Using Genetic Algorithm	International Journal of Power System Optimization and Control Vol. 2, No. 1	85-91
P. P. Bedekar, S. R. Bhide, V. S. Kale	2010	Application of Artificial Intelligent Techniques to Fault Section Estimation in	International Journal of Power System Optimization and Control	167- 174

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
		Power System – A Review	Vol. 2, No. 1	
Electronics & Computer Science Engineering Department				
Electronics & Communication Engineering				
Pradnya H. Ghare, A.G. Kothari, A.G. Keskar	2010	Modification of 802.15.4 MAC for Body Area Networks Applications	WCECS 2010, San Francisco, USA	
Pradnya H. Ghare, A.G. Kothari, A.G. Keskar	2011	Evaluation of scalability issue of 802.15.4 MAC for Body Area Networks	(ICSAP 2011), Singapore	4/11
Pradnya H. Ghare, A.G. Kothari, A. G. Keskar	2011	Modification of superframe structure of 802.15.4 MAC for Body Area Networks	Comsnets 2011, Bangalore.	
Ashwin Kothari Avinash Keskar	2010	UANN Based Pattern Classifier Using Rough Set Approach	International Journal of Pattern Recognition and Artificial Intelligence	Vol. 24, No.7
A. G. Kothari Mrs. K. S. Tiwari	2011	Architecture and Implementation of Attribute Reduction Algorithm Using Binary Discernibility Matrix	3rd International Conference on Machine Learning and Computing (ICMLC 2011), Singapore	
R B Raut K M Bhurchandi	2010	Optimization of Cartridge Life Using JND Sampling Without Compromising the Visual Quality of Printed Images.	Int. Conference NIP26, IS & T, Texas-Austin, USA, 20- 23 Sep 2010 NIP 2010,	247- 250
S P Hingway	2010	Hierarchical Representation	Algorithms & Systems VIII	317-

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
K M Bhurchandi		of Objects Using Shock Graph Approach' at the Image Processing.	Conf, IS&T/SPIE Electronic Imaging 2010 meeting, UCB, California, USA	323
Megha Agnihotri, K M Bhurchandi	April,2010	Implementation of Huffman Coder on FPGA.	National Conference on Information and Sciences NICS-10, Manipal University, Manipal	1-5
Mahendra Gaikwad Rajendra Patrikar Abhay Gandhi	June 2010	Energy aware network on chip Architecture using Perfect Difference Network	International conference on Advances in Comp. Engg. - ACE-2010, ACEE & IEEEExplore, Bangalore	
R. M. Patrikar Rashmi Kalyani Patrikar	2010	Growth of Silicon quantum dot/Nanocrystals on hafnium oxide films	International Conference on Nano Technology	
Rajendra Patrikar Praveen Kumar Reddy	July 2010	A Novell Curvature Compensation Technique for voltage reference circuit	14th IEEE VLSI Design and Test (VDAT) Symposium	
R. B. Deshmukh Anita Deshmukh, Ravi Patil Rajendra Patrikar	July 2010	Asynchronous ADC Using Novel Asynchronous Subranging Scheme.	14th IEEE VLSI Design & Test (VDAT) Symposium.	
R. B. Deshmukh Rajendra Patrikar W.S. Khokle Anurag Zope	July 2010	Constant \bias Current Gain Variation \method for Weak and Strong inversion OSFET	14th IEEE VLSI Design & Test (VDAT) Symposium.	

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
R. B. Deshmukh Rajendra Patrikar Atul K. Dwivedi G. Pendharkar	Oct 2010	Ditection of E.Colicell using capacitance modulation	Comsol Conference Bangalore	
S.B. Dhok R. B. Deshmukh A.G. Keskar	Nov 2010	Fast Fractal Encoding through FFT using modified cross correlation based similarity measure.	International Conference on Advanced topics In artificial intelligence(ATAI	
R. B. Deshmukh R. M. Patrikar Raju Lampande	2010	Optical Properties of Palladium nanostructures	National Conference on NANO Technology materials and composites for frontier applications	
R. M. Patrikar Rashmi Chandrashekhar Kukde Sanjay Sahare	2010	Formation of Silicon quantum dots using LPCVD on substrate treated with rapid thermal processing	National Conference on NANO Technology materials and composites for frontier applications	
Computer Science Engineeering				
Preeti Paranjape and Umesh Deshpande	2011	An Association Rule Mining Based Stock Market Recommender System	2 nd International Conference on Emerging Applications of Information Technology, Kolkata, India	21-24
Mrs. Shital Raut, S.R. Sathe,	Nov. 2010	“Gene Expression Analysis-A Review for large datasets”	Journal of Computer Science and Engg. Vol.4,	PP 11-17

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
Adarsh Raut			Issue 1	
S. S. Prabhune S. R. Sathe	Nov. 10	Reconstruction of a Complete Dataset from an Incomplete Dataset by Expectation Maximization Technique : Some Results	International Journal of Computer Science and Network Security , Vol. 10, no. 11	Pp 141-144
S. S. Prabhune S. R. Sathe	Dec. 10	Reconstruction of a Complete Dataset from an Incomplete Dataset by PCA (Principal Component Analysis) Technique: Some results	International Journal of Computer Science and Network Security, Vol.10, No. 12	Pp 195-199
S. S. Prabhune S. R. Sathe	Dec. 10	Reconstruction of a Complete Dataset from an Incomplete Dataset by (ARA Attribute Relation Analysis) Technique: Some results	International Journal of Data Engineering, Vol. 1, No. 5	Pp 35-42.
M. R. Pimple S. R. Sathe	Feb. 12-14, 2011	Parallelization of DNA Sequence Alignment using OpenMP	International Conference on Communication, Computing and Security (ICCCS 2011), Rourkela	
M. R. Pimple S. R. Sathe	Feb. 12-14, 2011	Computing on Multi-core Platform: Performance Issues	International Conference on Communication, Computing and Security (ICCCS 2011), Rourkela	

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
Mechanical Engineering				
S. D. Dhandole	2010	(i) A Comparative Study of Methodologies for V-A. FE model updating cavities using simulated data.	Vol. 6, Int. Journal of Mechanical Graphics design	27-43
	2010	(ii) On Improving weakly coupled cavity models for V-A prediction & Design.	—	—
Prayagi S.V. Thombre S B	2011	Parametric studies on Buoyancy	—	—
A. Chatterjee	2010	(i) "Parameter Estimation of Duffing Oscillator using Volterra Series and Multi-tone excitation"	International Journal of Mechanical Sciences, Vol. 52 (12),	1716-1722.
	--	(ii) "Structural Damage Assessment in a Cantilever Beam with a Breathing Crack using Higher Order Frequency Response Functions"	Journal of Sound and Vibration, Vol. 3, 29 (16)	3325-3334
	2011	(iii) "Non linear system analysis and identification using	Journal of Advances in Vibration in Engineering	

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
		Volterra Series with Harmonic excitation"		
	2011	(iv) "Development of Rolling Element test Bench facility and Application of Wavelet Transform for Fault Diagnosis"	Journal of Aerospace Science and Technologies, Vol. 63 (2)	
		(v) "Vibration Analysis of Single Lap joint: Experimental and Analytical Investigation"	Journal of Vibration and Control	
A. M. Kuthe	2010	(i) "Preplanning and Simulation of surgery using rapid modeling"	Journal of Medical Engineering and Technology, UK, Vol. 34 No. 4,	291-294
	2010	(ii) "Prediction of femur Bone Geometric using Anthropometric data of Indian population: A numerical approach"	Journal of Medical Science, Vol. 10	12-18
	2010	(iii) "Rapid prototyping assisted fabrication of Customized temporomandibular	Rapid Prototyping Journal (Emerald Group Publishing Ltd.), Vol. 17, Issue 5	

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
		joint implant A case report”.		
	2010	(iv) “Size Optimization of reconstruction plate implants using finite element analysis”.	International Journal of Applied Engineering and research, Vol. 5 No. 13.	2211-2216
Y.M. Puri	2010	(i) Statistical and regression analysis of material removal rate for Wire cut electro Discharge Machining of SS 304L using design of experiments	International journal of engineering studies ,2,5	1021-1028
	2010	(ii) Kerfs width analysis for Wire Electro Discharge Machining of SS 304L Using design of experiment	Indian journal of science and technology,3,4	369-373
Metallurgical & Materials Engineering Department.				
Jatin Bhatt B.S. Murty	2010	Identification of bulk metallic forming compositions through thermodynamic and topological models	Mater. Sci. Forum, 649	67-73

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
Jatin Bhatt, S. Kumar B.S. Murty	2011	Thermodynamic model and synthesis of Bulk Metallic Glass in Cu-Zr-Ti system by Mechanical Alloying	Mater. Sci. Forum, 675-677	189-192
M.M.Humane, R.K.Minz, D.R.Peshwe R.K.Paretkar	2010	(i) Effect of two step rolling and continuous annealing on microstructures, textures and mechanical properties in IF and IFHS steel sheets	T, Indian Institute of Metals, Vol. 63, Issue 1	21-30
	2010	(ii) Effect of cold rolling and mode of annealing on textures, mechanical properties and formability limit diagrams in interstitial free steel sheets	T, Indian Institute of Metals, Vol. 63, Issue 6	867-880
G.Deshmukh, D.R.Peshwe, S.U.Pathak, J.Ekhe	2010	Effect of uncoated calcium carbonate and stearic acid coated calcium carbonate on mechanical, thermal and structural properties of poly(butylene terephthalate) (PBT)/calcium carbonate composites	Bulletin of Material Science, Vol. 33, No. 3,	277-284

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
R.N.Baxi, S.U.Pathak, D.R.Peshwe	2010	Mechanical, Thermal and structural Characterization of PET & PBT Blend system by the addition of post consumer PET	J. App. Polymer Science, Vol.115,	928-934.
S.N. Paul, S. Sahu, M.Palaniappa, Manish Roy	2010	Potentiodynamic behaviour of Ti alloys in physiological solution containing lubricant	Mat. Lett. 64	12-14
S.N.Paul, N.S. More, N. Diomidis, M. Roy, S. Mischler	2011	Tribocorrosion behaviour of beta titanium alloys in physiological solutions containing synovial components	Mat. Sci. Engg. (C) 31	400-408
T.Karthikeyan, A. Dasgupta, R. Khatirkar, S. Saroja, I. Samajdar, M. Vijayalakshmi	2010	Effect of cooling rate on transformation texture and variant selection during $\beta \rightarrow \alpha$ transformation in Ti-5Ta-1.8Nb alloy	Mat. Sci. Eng. A Vol. 528,2	549-558
R.K. Khatirkar, B.S. Murty	2010	Structural changes in iron powder during ball milling	Mat. Chem. and Phy., Vol.123, 1	247-253
R.V.Taiwade, A.P.Patil, M.S.Bihade, N.Khobragade	2010	Prediction of Thermal Profile of Heat Affected Zone During Welding using MATLAB	Int. J. App.Eng. Res., Vol. 5	1855-1863

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
Adeeba Khan, A P Patil, T S Rao	2011	Effect of Zinc Addition to copper in improving its corrosion resistance in sulfide polluted synthetic seawater	TIIM, Vol 64, issue 1 Feb 2011	1-5
Mining Engineering				
J. C .Jhanwar & Thote N.R.	2011	Slope failure in opencast coal mines of Wardha valley coalfield in central India: a case study)	Int. Journal of Rock Mechanics and Rock Engineering Springer publications	0139
Pradhan G.K. &Thote N.R.	2010	Blasting performance index based on energy factor- a tool for blast evaluation,	The Indian Mining Engineering Journal, October, V-49, N 10,	pp 17
Thote .R. & Pandey R .K.	2011	Investigations into occupational noise exposure to fan attendants of coal mines	The Indian Mining Engineering Journal, October, V-50, N 1,	Pp 29
Thote N.R. & Pandey R.K.	2010	Latest technological development in mining trucks	The Indian Mining Engineering Journal, August., V-49, N 8,	pp 140
J.C. Jhanwar & Thote N.R	2010	Investigation into slope failure in an opencast mine of Wardha Valley coalfields	The Indian Mining Engineering Journal, April., V-49, N 4	pp 36

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
N.R.Thote & G.K. Pradhan	2010	. Explosive energy and its application in surface mine blasting	The Indian Mining Engineering Journal, March., V-49, N3,	pp 87
H.K. Verma & Thote N.R	2010	5Study of delay time in permitted delay	The Indian Mining Engineering Journal, Jan., V-49, N1,	pp 41
A.K. Sirveiya & Thote N.R	2010	effect of rock mass properties on fragmentation	The Indian Mining Engineering Journal, Jan., V-49, N1,	pp 60
Muthreja I L & Maram	2010	Investigation into the effect of composition of stemming material on blast performance in u/g coal mines”	Mining Engineer’s Journal Vol.12,No.2	pp 26
Yerpude R. R.	2010	Overburden cast blasting with angled drilling- an evaluation for improving productivity of Indian Surface Coal Mines,	Jl of Mines, metals & fuels, Vol. 58 No 6	pp 147-151
Yerpude R. R.	2010	Integrated concept of effective mine planning using ore body modeling	The Indian Mining and Engg Journal Vol 49	pp 7-18

Architecture & Planning Department

Rajshree	S.	ICSAUD	“Vernacular Housing Design	International Conference
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Name of the author	Year of publication	Topic	Volume No., Part	Page No.
Kotharkar	2010	in Central India: Issues and Concern for today”	Sustainable Architecture & Urban Design 2010, American Journal of Social Sciences	
Sameer Deshkar, (Y. Hayashi, Y. Mori)	April 2011	An Alternative Approach for Planning the Resilient Cities in Developing Countries	2011 Volume 15 Number 01	
Sameer Deshkar, (C. Yamahata)	March 2011	Framework for Integrating Policy Risk Resiliency and Quality of Life of Displaced Population in Developing Countries: An Indian Scenario		
Sameer Deshkar, (C. Yamahata)	March 2011	Growing Concerns for the Policy Needs and Rights of Forced Displacees: From Global Obligation to Actual Protection of Burma’s IDPs		
Physics Department				
J. Shankar and V.K. Deshpande	2010	Study of lead titanate based glass ceramic with addition of BaO.	Integrated Ferroelectrics, Vol 119,	p110-121
J. Shankar and V.K. Deshpande	2011	Electrical and Thermal properties of lead titanate glass ceramic	Physica B, Vol 406,	p.588-592

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
V.K. Deshpande and Ramesh N. Taikar,	2010	“Effect of Cerium oxide addition of the electrical and physical properties of alkali borosilicate glasses”	Materials Science and Engineering B, vol. 172	p.6
Chemistry Department				
S.S. Umare B.H.Shambharkar R.S. Nirgthoujam	2010	Synthesis & Characterization of polyaniline – Fe ₃ O ₄ nano-composite : Electrical Conductivity, Magnetic, electrochemical studies	Synthetic Metal 160 2010,	1815-1821
S.S. Umare B.H.Shambharkar	2010	Production & characterization of Polyaniline / CO ₃ O ₄ nano-composites on a cathode of Zn Polyaniline battery	Material Science & Engineering B 175(2010)	120-128
A. V. Maldhure. A. R. Chaudhari J.D. Ekhe	Jan 2010	Thermal & Structural studies of Polypropylene Blended with esterified industrial Waste lignin	Journal of Thermal Analysis and Calorimetry	pp-625-632
V. V. Krambilkar, J. D. Ekhe , S. N. Paul	2011	High yield Poly pyrrole: novel approach to synthetic Characterization	Journal of Material Science Springer	On line
G. S. Deshmukh S. U. Pathak	June 2010	Effect of uncoated Calcium Carbonate and Stearic acid	Bulletine of Material Science Vol 33, No.3	pp277-284

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
D. R. Peshwe J. D. Ekhe,		coated calcium carbonate on Mechanical, Thermal and Structural Properties of Polybutelene terphthalate (PBT)/ Calcium carbonate composites.	pp277-284	
G. S. Deshmukh D. R. Peshwe S. U. Pathak & J. D. Ekhe	Received: September 2010	A study on effect of mineral additions on the mechanical, thermal, and structural properties of poly(butylene terephthalate) (PBT) composites	J of Polym Res.	On line
G S Deshmukh S. U. Pathak D. R. Peshwe J. D. Ekhe	Feb 2011	Evaluation of mechanical and thermal properties of pply butelene terphthalate(PBT) composites reinforced with wollastonite.	TRANSACTIONS OF Indian Institute of metals vol.64 issue 1	
S. Pardeshi, A. Kumar, R. Dhodapkar	2011	Molecular Imprinting: Mimicking molecular receptors for antioxidants	Material Science Forum 665-667	512
Atul Wankhade A. R. Ingole S. R. Thakrare N. T. Khati D. K. Burghate	2010	Green Synthesis of Selenium Nano-particals under ambient condition	Chalcogenide Letters Volume - 7	485 - 489
Atul Wankhade	2010	Hydrochemical	J. Chem. Pharm Volume	499-

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
G.S. Gaikwad A.V. Maldhure		Characteristics of ground water (well & tube well) in the slum area of Bhoogaon, Wardha District, Maharashtra	2(3)	503
Atul Wankhade M.G. Dhonde S.P. Deshmukh	2010	Synthesis and biological studies of unsymmetrical mannopyranosyl Thiocarbamides	J. Chem. Pharm Volume 2(4)	518-525
Mathematics Department				
G. P. Singh and A. Y. Kale	2011	Anisotropic bulk viscous cosmological models with particle creation.	Astrophysics and Space Science, 331	207-219
P.P.Chakravarthy A.G.Deshpande	2011	Numerical Solution of Singular Perturbation Problems by Asymptotic Boundary Condition	Int. J. of Appl. Math and Mech., 7 (4)	70-96
K. Phaneendra, P.P.Chakravarthy and Y. N. Reddy	2010	A Fitted Numerov Method for Singular Perturbation Problems Exhibiting Twin Layers	Applied Mathematics & Information Sciences – An International Journal, Vol. 4, Number 3	341–352
M.Devakar and T.K.V.Iyengar	2010	Run up flow of an incompressible couple stress fluid between parallel plates.	Non Linear Analysis – Modeling and Control, Vol 15, No. 1	29-37
M.Devakar and	2011	Run up flow of an	Applied Mathematical	1751-

Name of the author	Year of publication	Topic	Volume No., Part	Page No.
T.K.V.Iyengar		incompressible micropolar fluid between parallel plates – A State space approach.	Modelling, Vol 35, No.4	1764

(B) Papers accepted for publication during the year

Author	Topic	Details
Chemical Engineering Department		
Fong Moi Pang, Pradeep Kumar, Tjoon Tow Teng, A.K. Mohd Omar, K. L. Wasewar	Removal of Lead, Zinc and Iron by Coagulation – Flocculation	J. Taiwan Institute of Chem. Engs.
Ch. S. Gulipalli, B. Prasad, K. L. Wasewar	Adsorption of selenium using rice husk ash (RHA)	J. Eng. Sci. Technol.
Amit Keshav, Kailas Wasewar, Shri Chand	Linear solvation energy relationship (LSER) model and langmuir extraction isotherm for reactive extraction of propionic acid	Chinese J. Chem. Engg.
Pradeep Kumar, Shri Chand, Tjoon Tow Teng, K. L. Wasewar	Fenton oxidation of carpet dyeing wastewater for removal of COD and color	Desalination and Water Treatment
Varun Panwar, B. Prasad and Kailas L. Wasewar	Briquetting of biomass residues and their characterization	J. Energy Engineering

Author	Topic	Details
S. S. Sonawane N. G. Shimpi S.Mishra	Synthesis and characterization of epoxy nanocomposites	Polymer-Plastics Technology and Engineering (Accepted)
S. S. Sonawane N. G. Shimpi S.Mishra	Sonochemical synthesis of mineral nanoparticles and its application in epoxy nanocomposites	Ultrasonics Sonochemistry [Elsevier] (Accepted)
Civil Engineering Department		
B.V. Khode, A. R. Tembhurkar, P. D. Porey, R. N. Ingle	Experimental studies On Flow Over Labyrinth Weir	American Society of Civil Engg., Journal of Irrigation and Drainage Engg. ISSN 0733- 9437, IR 1943-4774
A.R. Tembhurkar, Arti Prasad	Decision Making Software Effective Selection of Treatment Train Alternative for Wastewater Using AHP	Jour. IESE Vol. () Feb. 2011
B.V. Khode, A. R. Tembhurkar, P. D. Porey, R. N. Ingle	Experimental Studies On Determination Of Discharge Coefficient For Flow Over Trapezoidal Labyrinth Weir	International Journal of Civil Engineering Research & Technology, 2011
S. A.Mandavgane, R. V. Ralegaonkar	Development of Sustainable Construction Material Using Industrial and Agricultural Solid Waste: A Review of Waste-Create Brick	International Journal of Construction & Building Materials,
Lataye D.H., Mishra, I.M., Mall, I.D.	Application of Taguchi design of experiment technique for adsorption of pyridine onto bagasse fly ash,	The 1 st International Symposium on Colloids and Materials "Colloids and Materials 2011" to be held during 8 - 11 May 2011 at

Author	Topic	Details
		The NH Grand Krasnapolsky, Amsterdam, Netherlands.
Ms. S. R. Dongre, Rajesh Gupta & P. R. Bhave	Least-cost design of Water Distribution Networks under uncertainty of nodal demands	34 th IAHR World Congress, at Brisbane, Australia. 26 th June – 1 st July, 2011,
Electrical Engineering		
S. W. Mohod and M. V. Aware	Laboratory development of wind turbine simulator using variable speed induction motor	IJEST special issue on Micro Grid
S. W. Mohod and M. V. Aware	Micro wind power generator with battery energy storage for critical load	IEEE System Journal
V. B. Virulkar, M. V. Aware, and Mohan Kolhe	Integrated battery controller for distributed energy systems	Int Journal ENERGY- 2011.Elsvier publication
S. B. Bodkhe M. V. Aware	Reconstruction of phase current in a dc-link in a single sensor Induction Motor Drive using New Algorithm	International Journal of Modeling and Simulation, Acta Press Journal, UK
V.S.Kale, S.R.Bhide, and P.P.Bedekar	Estimation of Fault Location on Transmission Lines with Mutual Coupling	International Journal of Power and Energy Systems
V.S.Kale, S.R.Bhide, and P.P.Bedekar	Faulted Phase Selection Based on Wavelet Analysis of Traveling Waves	International Journal of Computer and Electrical Engineering

Author	Topic	Details
P.P.Bedekar, and S.R.Bhide	Optimum Coordination of Overcurrent Relay Timing Using Continuous Genetic Algorithm	Expert Systems with Applications – An International Journal (Elsevier Publication)
B. S. Umre, Kamal Sood, and Pranjal Johari	Modification in dc Generator Design and Analysis of Parameter Variations on its Performance	International Conference on Electrical Engineering, Bangkok, Thailand
Electronics & Computer Science Engineering		
Electronics & Communication Engineering		
Reena Rahate, K M Bhurchandi	Estimation of optimum number of Eigen vectors for Image reconstruction using KL Transform	ICCET 2011, Malaysia,17-19 june 2011
S. B. Dhok, R. B. Deshmukh , A. G. Keskar	Efficient Fractal Image Coding using FFT	International journal of Computing (accepted), 2011.
Mechanical Engineering		
Animesh Chatterjee	“Non-Linear Dynamics and Damage Assessment of a Cantilever Beam with Breathing Edge Crack”	ASME Journal of Vibration and Acoustics.
A. M. Kuthe	A Novel Rapidprototyping and finite element method based Development of the Patient specific temporomandibular joint implant“.	Computer methods in Biomechanics and biomedical Engineering. Taylor and Francis Publication

Author	Topic	Details
V. M. Nistane	Application Of DOE using Taguchi Approach to Valve Seat Leakage in Cylinder Head sub Assembly.	IIIE Journal
V.V. Shukla, P.M. Padole, S. Deshpande, H. M. Mardikar	"Secondary Hypertension manifests Renal artery Stenosis and weakened kidney"	Journal of Mechanics in Medicine and Biology.
A. M. Vaidya & P. M. Padole	"A performance evaluation of four bar mechanism considering flexibility of links and joints stiffness"	BENTHAM OPEN access
A. M. Vaidya & P. M. Padole	"Kinematic and modal analysis of four bar mechanism considering flexibility of linkage and joints"	
A. M. Vaidya & P. M. Padole	"Error analysis of four bar planar mechanism considering clearance in joint and modal analysis"	
A. S. Dhoble & P. M. Padole	Analysis of load sharing in Femur implant using finite element technique	International Journal of Medical Science and Technology
A. S. Dhoble & P. M. Padole	Finite element analysis of the cemented implant femur	International Journal of Industrial Engineering and Technology
R.V. Uddanwadiker	"Use of image processing software in hip joint surgery"	Journal of Advances in Bioscience and Biotechnology,

Author	Topic	Details
Dr. Y.M. Puri	ISI10303 STEP AP224: A Key of CAD CAM Integration ,	International journal of advanced manufacturing technology

Metallurgical & Materials Engineering

Boda Ramakrishna Rao, A.K. Shah, Meduri Srinivas, Jatin Bhatt, A.S. Gandhi and B.S. Murty	On prediction of amorphous phase forming compositions in Iron rich Fe-Zr-B ternary system and their synthesis	(Accepted in Met. Mater. Trans. A).
Sandeep Fale, Ajay Likhite and Jatin Bhatt,	Synthesis of Al-AlN metal matrix composites by Nitrogenation	(Accepted in T Indian I Metals).
Ashwini Kumar Sharma, S. J. Dhoble, Jatin Bhatt, D. R. Peshwe	Luminescence properties of Eu ²⁺ -activated Ca _{0.13} Sr _{0.87} Al ₂ Si ₂ O ₈ : : A bluish green phosphor for solid state lighting	(Accepted in T Indian I Metals).
A. Mefoued, M. Fathi, J. Bhatt, A. Messaoud, B. Palahouane, N. Benrekaa	Improvement Of Multicrystalline Silicon Wafer Solar Cells By Post-Fabrication Wet-Chemical Etching In Phosphoric Acid	(Accepted in Bulletin of Materials Science).

Author	Topic	Details
G.Deshmukh, D.R.Peshwe, S.U.Pathak, J.Ekhe	A study on effect of mineral additions on the mechanical, thermal, and structural properties of poly(butylene terephthalate) (PBT) composites	Journal of Polymer Research
S.N.Paul, V. Karambelkar, J.D.Ekhe	High Yield Polypyrroles: A novel approach to synthesis and characterization	J. Mat. Sci.
Hasan Shaikh, Zahida Begum, A Poonguzhali, Ranita Basu, C. Sudha H Shaikh, R.V Subba Rao Awanikumar Patil, R K Dayal	Evaluation of Localised Corrosion Behaviour of Aisi Type 316ln Stainless Steels with different Nitrogen Contents	Corrosion Science
T. Anita, C. Sudha, R. V Subba Rao Hasan Shaikh, Awanikumar Patil	Studies on the Tensile and Corrosion Fatigue Behavior of Austenitic Stainless Steels	Materials Science and Engineering
Architecture & Planning Department		
Alpana Dongre	Climate Responsive approach for Architecture Design	International Journal for Design Research

Author	Topic	Details
Chemistry Department		
S.S. Umare	Synthesis, Characterization and Comparison of self-doped and undoped forms of polymers	2011
A V Maldhure	Preparation and Characterization of microwave assisted activated carbons from Industrial waste lignin for Cu II sorption.	2011
J D Ekhe		
A V Maldhure	Microwave treated activated carbon from industrial waste lignin for endosulfan adsorption	Article first published online: 28 MAR 2011
J D Ekhe		
Atul Wankhade S.R.	Characterisation and Visible Light Activity of	Feb. 2011
Thakare M.G.	Nitrogen-Doped TiO ₂ Synthesis using	
Dhonde N.T. Khati	Titanium Trichloride as a Precursor	

(C) Papers published in conference proceedings during the year

Name of the author	Year of publication	Topic	Name & Place of the Conference
Chemical Engineering Department			
R. V. Ralegaonkar, S. A. Mandavgane, Vaidehi Dakwale, Sanjay P Raut	2011	Review of Sustainable Construction Materials using Nanotechnology	First India International Energy Summit (IIES)
S. A. Mandavgane, R. V Ralegaonkar, Vaidehi Dakwale, Sanjay P Raut	2011	Performance Evaluation of Energy Efficient Waste- create Bricks	First India International Energy Summit (IIES)
Shriram Sonawane	2010	Comparative Study On Effect of Commercial and Nano CaSO ₄ On Mechanical and Thermal Properties of Polyamide 6- CaSO ₄ Nanocomposite	Alche conference and meeting
Rohit Khedkar, K. L. Wasewar, S. S. Sonawane, N. K. Shrivastva	2011	Numerical Investigation of Convective Heat Transfer using Nanofluids	International Conference on Mathematical Modeling and Applications to Industrial Problems, NIT Calicut
N. K. Shrivastva, Rohit Khedkar, S. B. Thombre	2011	CFD Studies on Direct Methanol Fuel Cell	International Conference on Mathematical Modeling and Applications to Industrial Problems, NIT Calicut

Name of the author	Year of publication	Topic	Name & Place of the Conference
Civil Engineering Department			
V. A. Mhaisalkar, Padma S. Rao, S. Devotta & S. R. Wate	March 2011	Emission Inventory and Modeling of a Petroleum Refinery : A case study	National Conference on Case Studies in Environmental Management, organized at VNIT, Nagpur
Dongre, S. R., Gupta, R., and Bhave, P. R.	2010	“Optimal Design of Water Distribution Networks under Uncertain Demands”.	National Conference on Sustainable Development of urban Infrastructure, VNIT, Nagpur
Dongre, S. R., Gupta, R., and Bhave, P. R.	2011	“Elitism between Successive Runs for Improving Performance of GA based optimal Design of Water Distribution Networks”.	International Conference on Sustainable Water Resource Management and Treatment Technologies, NEERI, Nagpur
Samapriya Roy Y.B. Katpatal.	2010	Status Monitoring of Nag River in Nagpur Urban Area in Central India with relation to Waste Water Management. India 2010:	3 rd Int. Conf on Current and future state of water resources and environment, Jan. 5-7, 2010, IIT Chennai
Mane V.P. Katpatal Y. B.	2010	Study of lithological control over infiltration through water-level fluctuation and F-index in micro-watersheds	Proceedings of ninth International Conference on Hydro-Science and Engineering (ICHE 2010), IIT Madras, 2 – 5, August 2010. Chennai, India

Name of the author	Year of publication	Topic	Name & Place of the Conference
Katpatal Y.B.	2010	Application of remote sensing and GIS for ensuring sustainability of groundwater“	Indo Italian Int. “Workshop on ‘Sustainable development of Groundwater resources’ at NEERI Nagpur 20th October 2010.
Samapriya Roy Y.B Katpatal	2011	Non Transitive Modeling for Generating Hierarchical Model for an Urban River System in India	IPWE 2011 Int. Conference Singapore Jan 5-8, 2011.
Saikiran Tharimena, Heena Gampawar, Katpatal Y. B	2011	Environmental Impact Assessment (EIA) Based Studies of a Thermal Power Plant on the Hydrologic Regime Using Remote Sensing,	Geospatial World forum 2011, Int. Con. Centre, Hyderabad, 18-21 Jan. 2011.
Thiyam Tamphasana Devi, Katpatal Y. B	2011	Identification of potential infiltration zones through overlay analysis in gis environment using reservoir frequencies, spreads and other parameters, Geospatial World forum 2011,	Int. Con. Centre, Hyderabad, 18-21 Jan. 2011.
Thiyam Tamphasana Devi, Katpatal Y. B.	2011	'Estimation of Infiltration Rate by SCS-CN and CWC method using Satellite Data: A case study of	"International Conference on Sustainable Water Resource Management and Treatment Technologies". Water 2011, Jan

Name of the author	Year of publication	Topic	Name & Place of the Conference
		Bhandara District, Maharashtra'	19-22, 2011, IWA/NEERI Nagpur India.
Roy Samapriya, Katpatal Y.B.,	2010	Urban Patch and segmented growth analysis in Nagpur urban city, modeling system dynamics using GIS	National Conference on 'Sustainable development of Urban Infrastructure' Dept. of Civil Engg., VNIT Nagpur June 2010
Ansari Tausif A., Katpatal Y.B.,	2010	Estimation of capacity and surface runoff yield of Wadgaon reservoir using Rs and GIS	National Conference on 'Sustainable development of Urban Infrastructure' Dept. of Civil Engg., VNIT Nagpur June 2010
Katpatal Y.B., Patil S.A., Joshi S P.,	2010	Environment Impact Assessment of Chandrapur Super Thermal Power Station Ash Pond Using Geomatics Approach	UGC Sponsored national Seminar on 'Recent Trends in Bio-Geo Sciences, Oct 2010, MSC, Nagpur
Katpatal Y.B	2010	Geoinformatics for Knowledge Visualization and Policy formulations for Resources Management.	UGC Sponsored national Seminar on 'Recent Trends in Bio-Geo Sciences, Oct 2010, MSC, Nagpur
Katpatal Y. B., Chavan C. S., Johnson K.	2011	Case study on change in vegetation in Nagpur Municipal area in relation to urban sprawl during	National Conference on Case Studies in Environmental Management, March 5-6, 2011, Org. VNIT & IAEM, Nagpur.

Name of the author	Year of publication	Topic	Name & Place of the Conference
		2000-2010 using satellite data	
Patil S.A, Katpatal Y. B.,	2011	Spatial Approach for impact assessment of Chandrapur Thermal Power Station Ash Pond, Maharashtra, India	National Conference on Case Studies in Environmental Management, March 5-6, 2011, Org. VNIT & IAEM, Nagpur.
Mrs. Kalpana Bhole Ajay Tembhurkar	2010	24x7 Water Supply for Amravati City- Transformation using Hydraulic Model	11 th International Conference “ Improving Service Delivery in Water Supply -Thane
R. D. Jadhav, A. R. Tembhurkar, Rajesh Gupta	2011	Computer Aided Hydraulic Design Of Small Capacity Water Treatment Plant	International Conference on “Sustainable Water Resource Management and Treatment Technologies” NEERI, Nagpur
V. D. Salkar, A. R. Tembhurkar, S. V. Ranade	2011	Management of Typical Filtration Systems in Urban Water Treatment Plants	National Conference on "Case Studies in Environmental Management", VNIT, Nagpur
Kalpana Bhole, Ajay Tembhurkar, S. Dahasahasra, V. N. Rathod	2011	“ Rehabilitation Plan of Water Distribution Network of Operational Zone for Continuous Water Supply: A Case Study of VMV Zone	National Conference on "Case Studies in Environmental Management", VNIT, Nagpur
A. M. Badar, A. D. Ghare	16th to 18th	Prediction of Discharge through Trapezoidal	National Conference on "Hydraulics, Water Resources and

Name of the author	Year of publication	Topic	Name & Place of the Conference
	Dec 2010	Channel with Cylindrical Flume	Environment HYDRO 2010" M. M. University, Ambala, Haryana
Bhagat M. S. , Ghare A. and Ralegaonkar R.V.	25 th – 26 th Feb 2011	Long Term Strategy for Flood Hazard Management	National Conference on Water for Future 'NCWF 2011', SGGS Institute of Engineering & Technology, Nanded
Bhagat M., Ghare A. D. & Ralegaonkar R. V.	2011	Long Term Strategy for Flood Hazard Management	National Conference on Water for Future, SGGS institute of Engineering & Technology, Nanded
Vidya Ghuge, Alka Bharat & R. V Ralegaonkar	2011	Proposing a Methodology for Working out Thermal Sensation in an Urban Outdoor Space, Nagpur	International conference on Healthy Cities (2011)-Perspective on Asian Concerns, Dr B N College of Architecture for Women Pune, India
R. V Ralegaonkar, S. A Mandavgane, Vaidehi A. Dakwale & S P Raut	2011	Review of Sustainable Construction Materials using Nanotechnology	India International Energy Summit -2011 VNIT, Nagpur
R. V Ralegaonkar, S. A Mandavgane, Vaidehi A. Dakwale & S P Raut	2011	Performance Evaluation of Energy Efficient Waste- create Bricks	India International Energy Summit -2011 VNIT, Nagpur

Name of the author	Year of publication	Topic	Name & Place of the Conference
R. V Ralegaonkar & A D Ghare	2011	Flood-proof assessment of buildings using spatial indexing approach	IPWE, 2011, NUS, Singapore.
Ashwini Yelchatwar; Anup Jangada; Rahul Ralegaonkar; Vasant Mhaisalkar	2011	Cost Minimization Approach for Solid Waste Collection Using Network Analysis	IPWE, 2011, NUS, Singapore
R. V. Ralegaonkar	2010	Assessment of buildings using spatial indexing approach for earthquake risk management	RICS, COBRA 2010, London
Keerty Praveena, Lataye D. H. and Latkar M.V.	2010	Utilisation of Flyash in Treatment of Leachate	International Conference on “Environmental Pollution, Water Conservation and Health (ICEPWCH-2010)” Bangalore University, Bangalore, India during July 29-31, 2010, Bangalore, India.
Ms. S. R. Dongre, Rajesh Gupta & P. R. Bhawe	2011	Elitism between Successive Runs for Improving Performance of GA based optimal Design of Water Distribution Networks	International conference on “Sustainable Water Resource Mgmt. and Treatment Technologies” at NEERI, Nagpur, during January, 19-21, 2011.
Ms. S. R. Dongre, Rajesh Gupta & P. R. Bhawe	2010	Optimal Design of Water Distribution Networks under Uncertain Demands	National Conference on “Sustainable Development of Urban Infrastructure”, at VNIT,

Name of the author	Year of publication	Topic	Name & Place of the Conference
			Nagpur during June, 18-19, 2010
Abhay G. Tawalare	2010	Need of Introduction to taxation in civil engineering curriculum in India	Sustainable Development of Urban Infrastructure , VNIT Nagpur
Electrical Engineering			
U. V. Patil and H. M. Suryawanshi	Dec 2010	Direct Torque Control of Induction Motor: Simulation Results using Two-level and Diode Clamped Multilevel Inverter	IEEE Joint International Conference on Power Electronics, Drives and Energy Systems (PEDES) , New Delhi
V.S.Kale, S.R.Bhide, and P.P.Bedekar	Jan 2011	Comparison of Wavelet Transform and Fourier Transform Based Methods of Phasor Estimation for Numerical Relaying	International Conference on Science and Engineering, Rohatak, India
P. P. Bedekar, S. R. Bhide, and V. S. Kale	Dec 2010	Determining optimum TMS and PS of Overcurrent Relays using Big-M Method	Joint International Conference on Power Electronics, Drives and Energy Systems & 2010 Power India (IEEE PEDES 2010), New Delhi
P. P. Bedekar, S. R. Bhide, and V. S. Kale	Aug 2010	Fault Section Estimation in Power System using Artificial Neural Network	International Conference on Electrical Power and Energy Systems (ICEPES-2010),

Name of the author	Year of publication	Topic	Name & Place of the Conference
			MANIT, Bhopal
P. P. Bedekar, S. R. Bhide, and V. S. Kale	Aug 2010	Optimum Coordination of Overcurrent Relays using Nonlinear Programming Method	International Conference on Electrical Power and Energy Systems (ICEPES-2010), MANIT, Bhopal
B. S. Umre, Sonali Renkey, J. B. Helonde, and J. P. Modak	Sep 2010	Application of Gate Controlled Series Capacitor for Reducing Stresses due to Sub-synchronous Resonance in Turbine Generator Shaft	Energy Conversion Congress and Exposition 2010 at Atlanta, Georgia, USA.
A. S. Werulkar, P. S. Kulkarni and A. Sahusakde	4-5 Dec. 2010	'Simulation and Energy Balance study of Solar Home Lighting System'	All India Seminar on Power System : Control, Operation & Maintenance, I.E.(I), Chandrapur
A.S.Werulkar, S.K.Ksheersagar, P.S.Kulkarni	2010	Design of Solar powered Reverse Osmosis Water purification System for Rural Area	ENERSTATE 2010,An International Conference on "Clean Energy Technology and Energy Efficiency for Sustainable Development"organized by Uttarakhand Technical University,Dehradun,during December 27-30, 2010
A.S.Werulkar, P.S.Kulkarni and A.Sahusakde	2011	Energy Analysis of Solar Home Lighting System	IIES 2011, 1st India International Energy Summit conducted on January 28-31,2011 in VNIT, Nagpur, India

Name of the author	Year of publication	Topic	Name & Place of the Conference
S.K.Ksheersagar, A.S.Werulkar and P.S.Kulkarni	2011	Study of design of single phase inverter for solar home lighting system	IIES 2011, 1st India International Energy Summit conducted on January 28-31,2011 in VNIT, Nagpur, India
Electronics & Computer Science Engineering Department			
Electronics Engineering			
Joydeep Sengupta	2011	Study of different properties IMPATT diode in Ka band	National conference of Microwave Antenna and Signal processing I.T.S Engineering College
R. B. Deshmukh R. M. Patrikar Raju Lampande	2010	Optical Properties of Palladium nanostructures	National Conference on NANO Technology materials and composites for frontier applications
R. M. Patrikar Rashmi Chandrashekhar Kukde Sanjay Sahare	2010	Formation of Silicon quantum dots using LPCVD on substrate treated with rapid thermal processing	National Conference on NANO Technology materials and composites for frontier applications
K. D. Kulat S.A.Agarkar R. V. Kshirsagar	Jan 2011	WSN based Low cost and Low power EPM Design and Field microcontrollers	International journal of Computer applications
K. D. Kulat R. D. Thakre	Jan 24-25 2011	Measurement of UWB transmission for indoor communication	International conference on Signals, Systems and automation (ICSSA-2011)

Name of the author	Year of publication	Topic	Name & Place of the Conference
K. D. Kulat C. G. Dethé S. V. Rathkanthiwar	Jan 7-9, 2011	Neural approach for compensation of PAPR causing BER Degradation in Hyperlan	International Conference on Computer Computer modeling and simulation (ICCMS-2011) , Mumbai
K. D. Kulat Rajeshree Raut Deepali Shelke	Dec 10-12, 2010	MIMO Detection : A Review on Algorithms and Associated Complexity	International conference on communications, Computers and Devices, Kharagpur , India
K. D. Kulat Rajeshree D. Raut	July 12-15, 2010	SDR Configuration for Cognitive Radio	International Conference on Wireless Networks (ICWN'10), Las Vegas, USA
K. D. Kulat R. D. Raut	2010	BER performance maintenance at higher data Rates in Cognitive Radio	20th conference on Electronics Communication and Computers , Conealcomp'2010
K. D. Kulat Sucheta Varade	7-8th May 2010	Proceedings of National Conference on Advances in Wireless Communication	SSGMCE, Shegaon

Computer Science Engineering

S. A. Raut S. R. Sathe	April 2010	Bioinformatics : Trends in Gene Expression Analysis	Int. Conference on Bioinformatics and Biomedical Technology (ICBBT – 2010) , Chengdu, China,16-18 Apr 10
M. R. Pimple S. R. Sathe	Nov 2010	Parallelization and Implementation of Global Sequence Alignment using	International Conference on Advances in Distributed and Parallel Computing , Singapore , 1-

Name of the author	Year of publication	Topic	Name & Place of the Conference
		Tiling and Open MP	2 November , 2010
M.R. Pimple , S.R. Sathe	Feb 2011 , By ACM Digital Library	High Performance Computing	International Conference on Communication, Computing & Security At NIT, Rourkela, India
Mechanical Engineering			
N. V. Deshpande	2011	Decision support system for Decentralized energy planning based on locally available biofuels for a tribal village.	International Energy summit January 2011, VNIT.
S. D. Dhandole	Dec. 2010	Effectiveness of updated vibro-acoustic models for interior noise source identification in cavities.	VETOMAC, New Delhi.
Adrian Pinto, Vishal Singh, Navneetheswar & P. V. Kane	2010	Review of feasibility in Implantation of lean Manufacturing Philosophy.	Int. Conference on advances in industrial Engg. Application. COE, Gundi Campus Anna University, Chennai.
Mangesh Joshi & P. V. Kane	23-25 Sept. 2010	E-Kanban – A new face of kanban in India – A case study.	4th International Conference on Advances in Mechanical Engg., SVNIT, Surat, Gujraht.

Name of the author	Year of publication	Topic	Name & Place of the Conference
A. M. Kuthe	2010	Experimental Study for Analysis of stress in Femural stems.	WCCM
A. Chatterjee and Angello I	Dec 13-15,	Early Fault Detection of Rotary Wing Aircraft	International Conference, VETOMAC, IIT, Delhi.
Devasingamani	2010	Rescue Hoist Winch Bearing using Complex Gaussian Wavlet: A case study	
A. Chatterjee and S. B. Ingole	2010	A Method for Joint Stiffness Identification	AIP Conference Proceedings on International Conference on Modeling, Optimization and computing, Vol. 1298, pp.338-343.
J. G. Suryawanshi S. B. Thombre C. Limbadri	2011	Analysis of Natural Convection H.T. from Smooth and Rough Surfaces	Emerging trends in Mechanical Engineering, Patiala.
N. K. Lautre	Aug, 2010	Prediction of wire wear through pixels in single pass WEDM	ICMEE -2010, Kyoto, Japan.
M. S. Kotambkar	2010	Exploring Vibration Based Method for Crack Detection in Turbine Blade	2010 International Conference on Mechanical and Electrical Technology ICMET 2010 at Singapore.

Name of the author	Year of publication	Topic	Name & Place of the Conference
A. S. Dhoble, P. M. Padole and M. A. Dhoble	2010	Estimation of Failure Risk for the Femoral Neck	Fourth International Conference on Advances in Mechanical Engineering (ICAME), SVNIT, Surat, Gujrat.
H. P. Jawale and H. T. Thorat	2010	Analyses of planer 5 bar Mechanism with joint clearance.	National Symposium on Planer parallel Robots and Mechanisms, RCET, Bhilai.
Metallurgical & Materials Engineering Department			
Jatin Bhatt and B.S. Murty	2010	Nanoindentation study on Zr65Cu17.5Ni10Al7.5 Metallic Glasses for MEMS Application	V.N.I.T. Nagpur. Proc. Of Institute of Smart Structures and Systems
M. Fathi, S. Bendjaballah, B. Jatin, A.Messaoud, H. Menari, A. Mougas, B.Mahmoudi M. Kechouane	2010	Optimization of ultrathin silicon oxide for MIS solar cells devices	Damascus, Syrian Arab Republic, Proc. Of The International Conference on Renewable Energy (ICRE)
K.N.Pande, D.R. Peshwe, Anupama Kumar	2010	Cryogenic Treatment Of Polymers And Polymer Composites- A Novel Technique To Improve Wear Resistance	Int. Conf. on Synthesis, Characterization, Consolidation and Modelling of Nano Materials PSG College of Tech., Coimbatore

Name of the author	Year of publication	Topic	Name & Place of the Conference
K.N.Pande, D.R.Peshwe & Anupama Kumar	2010	Effect of cryogenic treatment on Polyamide and Polytetrafluoroethylene	Int. Symp. for Research Scholars (ISRS-2010) IIT Madras, (Chennai)
K.N.Pande, D.R.Peshwe Anupama Kumar	2011	Effect of cryogenic treatment on polymers and polymer composites	Int. Conf. Processing and Fabrication of advanced Materials, Centre for Advanced Composite Materials (CACM), University of Auckland, New Zealand
A.A.Likhite D.R.Peshwe S.U. Pathak	2010	Microstructural Characteristics of austempered inoculated low carbon equivalent iron	50th Int. foundry conf. , Slovenian Foundrymen Society at Portoroz, Slovenia
S.N.Paul N.S. More N. Diomidis S. Mischler M. Roy.	2010	A Tribo-Electrochemical approach for the characterization of artificial implant biomaterials	First Int. Brazilian Conf. on Tribology, Copacabana, Rio de Janeiro, Brazil.
S.N. Paul, N.S. More, N. Diomidis, S. Mischler, M. Roy	2010	Comparison of sliding Tribocorrosion and Fretting corrosion behaviour of Ti-13Nb-13Zr in physiological solution	Int. Conf. on Industrial Tribology, SAIL, Ranchi
JR Saithala, HS Ubhi,	2011	Pitting corrosion mechanism of lean	NACE Corrosion 2011 Conference, Houston

Name of the author	Year of publication	Topic	Name & Place of the Conference
JD Atkinson, AP Patil		duplex, duplex and super duplex stainless steel in chloride solutions	
Mining Engineering			
Jhanwar J.C. & Thote N.R.	Oct. 2010	A Study of slope failure in opencast mines of Wardha Valley Coalfields in Central India	Proc. Int. Symp on Rock Mechanics, ISRM
Pradhan G.K. & Thote N.R.	Feb. 2011	Selection of explosives on energy factor basis	Nat. Sem. On explosives and blasting for mining, quarrying industry, Feb. N.I.T. Surathkal
Muthreja I. L.	Dec 2010	Base Paper on Dump Slope Stability	Proc. One Day Workshop on “Management of dump slopes”; VNIT,
Architecture & Planning Department			
Rajashree S. Kotharkar & Sarika Bahadure	Oct 2010	Mixed Landuse, An approach to Sustainable Urban Development	Urbanism and Green Architecture on at NIT Hamirpur
Amit Wahurwagh & Alpana Dongre	Oct 2010	Cultural Landscapes Conservation an Inspiring Quality for Contemporary Architecture	Urbanism and Green Architecture on at NIT Hamirpur
Pooja Pathak and Alpana Dongre	Feb. 2011	Built Environment for improving quality of life	Healthy City: Perspective of Asian Concerns at BNCA, Pune

Name of the author	Year of publication	Topic	Name & Place of the Conference
Roopal Deshpande and Rajashree Kotharkar	Feb. 2011	Study of Transformation of Traditional Urban Environment: Case Study, Nagpur	Healthy City: Perspective of Asian Concerns at BNCA, Pune,
Smita Khan	Feb. 2011	Assessing building performance evaluation of a school of Architecture	Healthy City: Perspective of Asian Concerns at BNCA, Pune,
V.V. Ghuge	Feb. 2011	Proposing a methodology for working out thermal sensation in an urban outdoor space, Nagpur	Healthy City: Perspective of Asian Concerns at BNCA, Pune,
V.S. Kapse	Feb 2011	Strategy for Relocation of Urban Poor Habitats (Slums) with Relevance to Adequate Housing: A Case Study of Nagpur City	Land as a Resource For Urban Development '59 th National Town & Country Planners' Congress'ITPI, India,
Sarika Bahadure	Jan, 2011	Lateral Thinking: A tool for Design at National Conference on Emerging Trends in Engineering, Technology & Architecture (NCETETA. 2011)	D.Y. Patil Kolhapur,
Sarika Bahadure	Feb 2011	Brownfield Redevelopment For Sustainable Urban Development	Land as a Resource For Urban Development '59 th National Town & Country Planners' Congress'ITPI, India,

Name of the author	Year of publication	Topic	Name & Place of the Conference
Physics Department			
R.S.Gedam	8-9 July 2010.	Contact Meeting for NIT. organized by to be held on 8-9 July, 2010 at Institute for Plasma Research, Gandhinagar (Gujrat).	Board of Research in Fusion Science & Technology (BRFST), Gandhinagar (Gujrat)
	29th Jan, 2011	Workshop on Characterization and Simulation Tools for Nanoelectronics	Department of Electronics and Computer Science, VNIT, Nagpur
V.K. Deshpande	9-10 June 2010	Int. Symposium on “Synthesis and Characterization of glass and glass-ceramics.”	C-MET, Pune
	4-17 March 2011.	Indo Japanese Joint Research Program on “Thin Film Solid State Batteries”.	Institute for Multidisciplinary Research on Advanced Materials (IMRAM) Tohoku University Sendai, Japan.
Mrs A.V.Deshpande	30th Sept. to 1st Oct. 2010	Fourth ISSS National Conference on “Microsystems, Smart Materials, Structures”.	V. N. I. T., Nagpur.
Mrs S.R.Patrikar	21-02- 11 to 25-2-11	STTP on Nanophase and nanostructured materials	I.I.T. Roorkee

Name of the author	Year of publication	Topic	Name & Place of the Conference
Mrs S. M. Giripunje	21-02-11 to 25-2-11	STTP on Nanophase and nanostructured materials STTP on “ Beyond Chalk and Talk;New Age Pedagogy”	I.I.T. Roorkee
Chemistry Department			
G S Deshmukh S.U. Pathak D.R. Peshwe J.D. Ekhe	Dec 2010	Evaluation of mechanical and thermal properties of poly butelene terpthalate (PBT) composites reinforced with wollastonite.	International symposium for Research scholars ISRS2010 ON Mtallurgy, Material Science and Engineering at IIT-Chennai,20-22-Dec.2010
R A Nandanwar, AR Chaudhari, J. D. Ekhe	9-11, Feb, 2011	Potential of lignin pyrolysis to produce Value added products.	International Conference on Chemistry for mankind,ICCM,2011 procedings- abstract
Anupama Kumar, Sushma Pardeshi, Rita Dhodapkar,	26th-28th June – 2010	Performance of synthesized molecularly imprinted polymers for Gallic acid (Antioxidant) using commercially available monomers	The 7th International Forum on Advanced Material Science and Technology (IFAMST-7), Dalian University of Technology, Dalian, China
Sushma Pardeshi, Anupama Kumar , Rita Dhodapkar	26th-28th June – 2010	Molecular Imprinting : Mimicking molecular receptors for antioxidants	The 7th International Forum on Advanced Material Science and Tech (IFAMST-7), Dalian University of Technology, Dalian, China

Name of the author	Year of publication	Topic	Name & Place of the Conference
Sushma Pardeshi, Rita Dhodapkar, Anupama Kumar	20th – 22nd Dec. 2010	Synthesis and characterization of Molecularly Imprinted Polymeric material for selective extraction of an Antioxidant	International Symposium for Research Scholars” (ISRS 2010), Indian Institute of Technology – Madras, Chennai
Sushma Pardeshi, Rita Dhodapkar, Anupama Kumar	9th Feb. 2011	Use of Polymers as antimicrobial agents	International workshop on advances in disinfection technologies (WADIS 2K11), NEERI, Nagpur
K.N.Pande, D.R. Peshwe, Anupama Kumar	20– 22 Dec. 2010	Effect of cryogenic treatment on Polyamide and Polytetrafluoro- ethylene	International Symposium for Research Scholars” (ISRS 2010), Indian Institute of Technology – Madras, Chennai
K.N.Pande, D.R. Peshwe, Anupama Kumar	14-17 Jan 2011.	Effect of cryogenic treatment on polymers and polymer composites	International Conference on Processing and Fabrication of advanced Materials (PFAM-19) at Centre for Advanced Composite Materials (CACM), The University of Auckland, New Zealand
R.V. Motghare Kiran Kumar Tadi	7th – 9th Jan 2011	Oral Paper Presentation : Synthesis of Molecularly Imprinted Polymers for Oxalic Acid for Sensor Application	International Conference on Composites & Nano-composites (ICNC), Kotayam, Kerla
R.V. Motghare	11th –	Synthesis &	National Conference on Sensors

Name of the author	Year of publication	Topic	Name & Place of the Conference
Kiran Kumar Tadi	12th March 2011	Characterization of Oxalic Acid Imprinted Polymer for Sensor Application	and Actuators : Science to Technology, Organized by Central Glass & Ceramic Research Institute, Kolkatta A unit of CSIR & Senior Hubs(DST)

Mathematics Department

K. Phaneendra, P. P. Chakravarthy and Y. N. Reddy	2010	Method of Reduction for Singularly Perturbed Boundary Value Problems with mixed boundary conditions	Proceedings of International Conference on 'Challenges and Applications of Mathematics in Science and Technology
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(D)Books authored during the year

Author	Title of the Book	Publisher
Y. G. Paithankar and S. R. Bhide	Fundamentals of Power System Protection – Second Edition , July 2010	Prentice Hall of India
Mohan V. Aware, Atif Iqbal and Abu Rub	International Journal of Engineering, Science and Technology: Special issue on “Applied Power Electronics and Intelligent Motion”	Vol. 2, No.10, 2010. ISSN 2141-2820

Electronics & Computer Science Engineering Department

Electronics Engineering

Ashwin Kothari	Analog Communication	Central Techno Publications, Nagpur
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Author	Title of the Book	Publisher
A K Ray	Advanced Microprocessors and	Mc Graw Hill Education
K M Bhurchandi	Peripherals, 3rd Edition (In Process)	
Metallurgical & Materials Engineering		
V.K.Didolkar	Metallurgy In Sanskrit Literature	Sanskritbharati, Delhi
S. N. Paul, V.K. Didolkar	Proceedings of Polytex'2009 – National (Ed.) Symposium on Advances in Polymer & Textile Technology	VNIT, Nagpur
V.K.Didolkar	Pride of India (Contributed Two Chapters On Chemistry And Metallurgy)	
Mining Engineering		
N. R. Thote G.K. Pradhan	Surface Mine Blast Evaluation	Mintech Publishers, Bhubaneswar 2010

11.8 Scholarships and Awards

S N	Scholarship	Awarding Agency	No. of Students	Total in Rs.
1	Gol Post Matric Scholarship for SC/ST students (Home State)	Social Welfare Department of MH State	527	14336735
2	Gol Post Matric Scholarship for SC/ST students (Other State)	Social Welfare Department of other states	19	401240
3	National Talent Scholarship	NCERT, New Delhi	12	72000
4	New Central Sector Scholarship for SC/ST Students	Gol, Min. of Social Welfare and Empowerment / Ministry of Tribal Welfare	59	3499900
5	Scholarship to foreign students placed under GCSS scheme of Gol, ICCR	RO, ICCR, Mumbai	18	1086580

6	Scholarship to students placed under SPDC scheme of GoI, EDCIL	EDCIL, Noida	10	3118414
7	Assistance ship to GATE qualified M Tech scholars	Institute	262	21309831
8	Assistance ship to Ph D (Full Time) scholars	Institute	28	3441853
9	Assistance ship to Ph D scholars placed under QIP scheme	AICTE	5	584056
9	Non governmental agencies		11	173300
10	UGC Fellowship	UGC	1	159000

Awards

SN	Name of the Award	Criteria
1.	Sir Visvesvaraya Medal	Highest CGPA amongst all disciplines of B. Tech. program
2.	Late Shri N.G. Joshi Prize	Highest CGPA amongst all disciplines of B. Tech. program
3.	In memory of Dr A G Paithankar prize	Highest CGPA amongst all disciplines of B. Tech. program
4.	Late Mahamahopadhyay Padmavibhushan Dr. V. V. Mirashi Gold Medal	Highest CGPA amongst all disciplines of B. Tech. program
5.	Institute Medal	Highest CGPA in B. Tech. (Program-wise) / B.Arch.
6.	Academic Excellence Prize	Highest CGPA in B. Tech. (Program-wise) / B. Arch./ M. Tech Program (Program-wise)
7.	Watwe Education Trust Prize	Highest CGPA in B. Tech. Electrical & Electronics Engg./ Mechanical Engg./ Civil Engg.
8.	Late Smt. Shalini Pangarkar Prize	Highest CGPA in B. Tech. Mechanical Engg
9.	Late Dr. V.N. Joshi Prize	Highest CGPA in B. Tech. Mechanical Engg
10.	Late Shri Hemant Karkare Prize	Highest CGPA in B. Tech. Mechanical Engg
11.	In Memory of Ms. Madhur Dahake Gold Medal	Highest CGPA amongst Girl Candidates in B. Tech. Electronics & Communication Engg.

SN	Name of the Award	Criteria
12.	Shri L.J. Sane Prize	Highest CGPA amongst all disciplines of B. Tech. Electrical Engg.
13.	Late Shri Vishnu Diwakar Alias Bhausahab Gijre Prize	Highest CGPA in B. Tech. Civil Engg
14.	P.J. Sahastrabudhe Memorial Prize	Highest CGPA in B. Tech. Civil Engg
15.	Late Shri C.T. Gharpure Prize	Highest CGPA in B. Tech. Civil Engg
16.	Late Prof. M.S. Joshi Gold Medal	Highest CGPA in B. Tech. Civil Engg
17.	Late Amol Krishnarao Kawadkar Medal	Highest CGPA in B. Tech. Civil Engg
18.	Late Shri S.S. Amin Prize	Highest marks in the subject Structural Analysis-II in 7 th Sem. B. Tech. Civil Engg.
19.	Late Ms. Pratibha Bujade Gold Medal	Highest CGPA amongst girls from SC category in B. Tech .Program
20.	Late Shri J.M. Gawande Prize	Highest CGPA amongst Candidates from OBC category in B. Tech. Mechanical Engg.
21.	Akhilesh Gedam Memorial Prize	Highest CGPA in B. Tech. Electronics & Comm. Engg.
22.	Shri Prashant Palamkar Memorial Prize	Highest CGPA in B. Tech. Mining Engg.
23.	Late Dr. M.K. Joshi Prize	Highest CGPA in B. Tech. Metallurgical & Materials Engg.
24.	Prof. S. D. Adane Gold Medal	Highest CGPA in B. Arch.
25.	Late Dr. V.M. Pangarkar Prize	Highest CGPA in B.Arch.
26.	Poornima Prize	Highest SPI by girl student in Final year B. Arch (Part II) Exam Summer 2008
27.	Late Shri B.M. Gupta Prize	Highest CGPA in M. Tech. Industrial Engg. Program
28.	Shri Bhide Memorial Prize	Highest CGPA in M. Tech. Environmental Engg. Program
29.	Purna Award – I	Highest CGPA (First) in M. Tech. Environmental Engg. Program
30.	Purna Award – II	Highest CGPA (Second) in M. Tech. Environmental Engg.

SN	Name of the Award	Criteria
		Program
31.	Dr. S.S. Kulkarni Prize	Highest CGPA in M. Tech. Structural Engg. Program
32.	Ar. Bharat Yamsanwar Award	Highest CGPA in M. Tech Urban Planning Program.

List of Awardees:

S N	Name of Awardees	Name of Award
1.	G.B. Murlikrishna B Tech Electrical & Electronics Engg.	Sir Visvesvaraya Medal Late Shri N.G. Joshi Prize Late Dr. A.G. Paithankar Medal Late Mahamahopadhyay Padmavibhushan Dr. V.V. Mirashi Gold Medal Academic Excellence Prize Watwe Education Trust Prize Shri L.J. Sane Prize
2.	Piplewar Shikha Suresh, B Tech Civil Engg	Institute Medal Academic Excellence Prize Watwe Education Trust Prize Late Shri Vishnu Diwakar Alias Bhausahab Gijre Prize P.J. Sahastrabudhe Memorial Prize Late Shri C.T. Gharpure Prize Late Prof. M.S. Joshi Gold Medal Late Amol Krishnarao Kawadakar Medal Late Shri S.S. Amin Prize
3.	Sahodar Gade, B Tech Civil Engg.	Late Ms. Pratibha Bujade Gold Medal
4.	Bhoyar Raj Dinkar, B Tech Chemical Engg	Institute Medal Academic Excellence Prize
5.	More Nilesh Angadrao, B Tech Computer Science Engg	Institute Medal Academic Excellence Prize

6.	Gupta Sachin, B Tech Electronics & Communication Engg.	Institute Medal Academic Excellence Prize Akhilesh Gedam Memorial Prize
7.	Paul Piya Parthapratim, B Tech Electronics & Communication Engg.	In Memory of Ms. Madhur Dahake Gold Medal
8.	Paldiwal Bharat Dinesh, B Tech Mechanical Engg.	Institute Medal Academic Excellence Prize Watwe Education Trust Prize
9.	Sria Majumdar, B Tech Mechanical Engg.	In Memory of Shri Hemant Karkare instituted by the Institute Late Smt. Shalini Pangarkar Prize Late Dr. V.N. Joshi Prize
10.	Konjengbam Shamukton Singh, B Tech Mechanical Engg.	Late Shri J.M. Gawande Prize
11.	Sidharth Sankar Jena, B Tech Mining Engg.	Institute Medal Academic Excellence Prize Shri Prashant Palamkar Memorial Prize
12.	Sajan Kumar Mittal, B Tech Metallurgical & Materials Engg.	Institute Medal Academic Excellence Prize Late Dr. M.K. Joshi Prize
13.	Shingarey Surbhi Amol, B. Arch.	Institute Medal Academic Excellence Prize Prof. S. D. Adane Gold Medal Late Dr. V. M. Pangarkar Prize
14.	R. Ramalakshmi, B. Arch.	Poornima Prize
15.	Manvar Nikunj Parsotambhai, M Tech CAD-CAM Program	Academic Excellence Prize
16.	Govindrajan Prasad, M Tech Industrial Engg	Academic Excellence Prize Late Shri B.M. Gupta Prize

17.	Kapse Arvind Ashok, M Tech Heat Power Engg	Academic Excellence Prize
18.	Middi Ravi, M Tech Integrated Power Systems	Academic Excellence Prize
19.	Mayuri Jaiswal, M Tech VLSI Design	Academic Excellence Prize
20.	Yadukishore K., M Tech Computer Science Program	Academic Excellence Prize
21.	Lakshmi Sowjanya Pali, M Tech Materials Engg.	Academic Excellence Prize
22.	Thiyam Tamphasana Devi, M Tech Water Resources Engg.	Academic Excellence Prize
23.	Safi Shail Devang, M Tech Environmental Engg.	Academic Excellence Prize Shri Bhide Memorial Prize Purna Award – I
24.	Prabha Anita Krishnan, M Tech Environmental Engg.	Purna Award – II
25.	Agrawal Amber Ramesh, M Tech Structural Engg.	Academic Excellence Prize Dr. S.S. Kulkarni Prize
26.	Govinda Krishna M., M Tech Structural Dynamics & Earthquake Engg.	Academic Excellence Prize
27.	Tanushree Mahadeo Kamble, M Tech Urban Planning	Academic Excellence Prize Ar. Bharat Yamsanwar Award

11.9 Training and Placement Statistics

Branch	Placed
Civil	44
Chemical	38

Mechanical	27
Electrical	31
Electronics & Communication	38
Comp.Sc. & Engg.	33
Metallurgical & Materials	22
Mining	5
	238
%	82.39 %
M.Tech	42
Number of students placed with Dream Job	179
Total Jobs	459

PLACEMENT - 2010-11 (Normal Job + Dream Job)

INDUSTRIES	C	M	E	N	T	R	Ch	G	M.Tech.	TOTAL
Normal Job	44	27	31	38	22	33	38	5	42	280
Dream Job	11	36	42	28	12	30	10	6	4	179
Total	55	63	73	66	34	63	48	11	46	459

Normal Job

PLACEMENT - 2010-2011

S.N.	INDUSTRIES	C	M	E	N	T	R	Ch	G	M.Tech.	TOTAL
1.	Persistent Systems Ltd.	1	-	-	16	-	7	1	-	2	27
2.	Larsen & Toubro Ltd.	4	11	12	-	5	-	4	-	1	37
3.	Shapoorji Pallonji & Co Ltd.	3	1	-	-	-	-	-	-	-	04
4.	Vedanta	-	-	-	-	-	-	-	3	-	03
5.	Consolidated Construction Consortium Ltd.	7	-	-	-	-	-	-	-	1	08
6.	Thermax Ltd.	-	4	-	-	-	-	3	-	-	07
7.	Kirloskar Pneumatic Co. Ltd.	-	1	-	-	-	-	-	-	-	01
8.	Uhde India Pvt. Ltd.	1	4	2	-	-	-	-	-	-	07

S.N.	INDUSTRIES	C	M	E	N	T	R	Ch	G	M.Tech.	TOTAL
9.	Bharat Forge Ltd.	-	-	-	-	4	-	-	-	-	04
10.	Bharat Bijlee Ltd.	-	-	3	-	-	-	-	-	-	03
11.	Infosys Ltd.	1	1	8	10	4	11	9	2	10	56
12.	Tata Consultancy Services Limited	04	-	1	10	3	9	12	-	16	55
13.	ACC Ltd.	-	-	1	-	-	-	2	-	-	03
14.	Larsen & Toubro Ltd., ECC Division	09	03	-	-	-	-	-	-	-	12
15.	Zensar Technoogies Ltd.	-	-	-	-	-	3	-	-	-	03
16.	Larsen & Toubro Infotech Ltd.	1	-	-	-	-	1	-	-	-	02
17.	Geometric Ltd.	2	-	-	1	-	-	1	-	-	04
18.	3DPLM Limited	2	-	-	-	-	-	-	-	-	02
19.	Indiabulls Real Estate Ltd.	2	-	-	-	-	-	-	-	-	02
20.	Infocepts Ltd.	-	-	-	1	1	-	-	-	1	03
21.	Welspun Maxsteel Ltd.	-	-	2	-	2	-	4	-	-	08
22.	Adani Power Ltd.	1	-	-	-	-	-	-	-	-	01
23.	TVS Motors Co.	-	1	-	-	-	-	-	-	-	01
24.	Hindusthan National Glass & Industries Ltd.	-	1	1	-	1	-	-	-	-	03
25.	Tata Consulting Engineers Ltd.	1	-	-	-	-	-	-	-	4	05
26.	Nagarjuna Construction Co.	2	-	-	-	-	-	-	-	-	02
27.	Novatech Software Pvt. Ltd.	-	-	-	-	-	1	-	-	-	01
28.	Wipro Technologies	-	-	-	-	-	1	2	-	3	06
29.	L&T Ramboll	3	-	-	-	-	-	-	-	2	05
30.	Thyssenkrupp	-	-	-	-	2	-	-	-	-	02
31.	Wipro (VLSI Division)	-	-	1	-	-	-	-	-	2	3
	Total	44	27	31	38	22	33	38	5	42	280

C - Civil

R - Comp.Sci. & Engineering

M - Mechanical

G - Mining

E - Electrical & Electronics

T - Metallurgical & Materials

N - Electronics & Communication

Ch - Chemical

Dream Job

PLACEMENT - 2010-11

S.N.	INDUSTRIES	C	M	E	N	T	R	Ch	G	M.Tech.	TOTAL
1.	Indian Oil Corporation Ltd.	1	3	4	-	-	-	-	-	-	08
2.	ACE Calderys Ltd.	-	-	-	-	3	-	-	-	-	03
3.	Microsoft IT	-	-	-	-	-	1	-	-	-	01
4.	Bajaj Auto Ltd.	-	5	-	-	-	-	-	-	-	05
5.	Thoughtworks Technologies India Pvt. Ltd.	-	-	-	1	-	-	-	-	-	01
6.	ZS Associates India Pvt. Ltd.	2	1	3	2	1	2	3	-	-	14
7.	Coal India Ltd.	-	1	3	-	-	-	-	6	-	10
8.	Tata Motors Ltd.	-	2	1	3	2	-	-	-	-	08
9.	NVIDIA Corporation	-	-	-	-	-	1	-	-	-	01
10.	John Deere India Private Ltd.	-	-	-	1	-	3	-	-	-	04
11.	ABB Limited	-	-	2	1	-	-	-	-	-	03
12.	Oracle India Pvt. Ltd.	-	-	1	4	-	13	-	-	1	19
13.	Barclays Technology Centre India Pvt. Ltd.	-	-	1	-	-	1	-	-	-	02
14.	Telco Construction Equipment Co. Ltd. (TELCON)	-	1	-	-	-	-	-	-	-	01
15.	Pepsico India Holdings Pvt. Ltd.	-	-	2	-	-	-	-	-	-	02
16.	Production Modelling India Pvt. Ltd.	-	1	-	-	-	-	-	-	-	01
17.	Tata Steel Ltd.	-	2	2	-	-	-	-	-	-	04
18.	MECON Ltd.	-	2	1	-	-	-	-	-	-	03
19.	NTPC Ltd.	2	6	4	4	-	-	-	-	-	16
20.	Schneider Electric Co. Ltd.	-	-	5	3	-	-	-	-	-	08
21.	ITC Ltd. - Paperboards and Specialty Paper Division	-	-	-	-	-	-	1	-	-	01
22.	Bharat Heavy Electricals Ltd.	4	8	9	-	6	6	-	-	-	33

S.N.	INDUSTRIES	C	M	E	N	T	R	Ch	G	M.Tech.	TOTAL
23.	ACG Worldwide – PAM Pharmaceutical & Allied Machinery Co. Pvt. Ltd.		-	-	1	-	-	-	-	-	01
24.	GSK Pharmaceuticals Ltd.		-	-	-	-	-	1	-	-	01
25.	Hindustan Petroleum Corporation Ltd.	2	2	2	1	-	-	-	-	-	07
26.	Bennett, Coleman & Co. Ltd.	-	-	-	1	-	3	-	-	-	04
27.	Brahmos Aerospace Pvt. Ltd.	-	1	-	1	-	-	1	-	-	03
28.	Lafarge India Pvt. Ltd.	-	-	2	-	-	-	1	-	-	03
29.	Cummins India Ltd.	-	-	-	-	-	-	-	-	3	03
30.	Engineers India Ltd.	-	1	-	-	-	-	1	-	-	02
31.	Hindustan Unilever Ltd.	-	-	-	-	-	-	2	-	-	02
32.	Rancore Technologies (RIL)	-	-	-	5	-	-	-	-	-	05
	Total	11	36	42	28	12	30	10	6	4	179