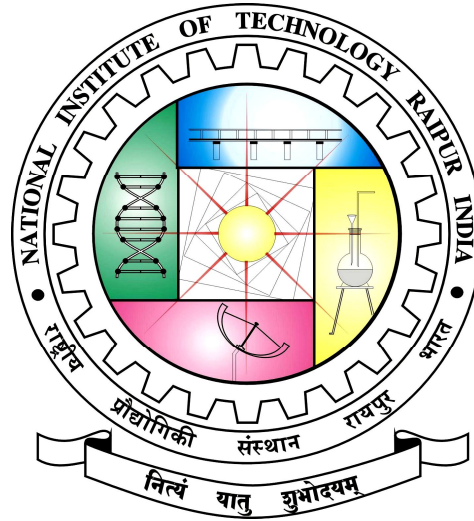


ANNUAL REPORT

(Including Audited Accounts)

2011-2012

(April 01, 2011 – March 31, 2012)



**NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR,
G.E. ROAD, RAIPUR 492 010
CHHATTISGARH, INDIA.**

*An Institute of National Importance Under
Ministry of Human Resource Development,
Government of India*

PAPERS TO BE LAID ON THE TABLE OF LOK/RAJYA SABHA
ANNUAL REPORT & ANNUAL ACCOUNTS
2011-2012

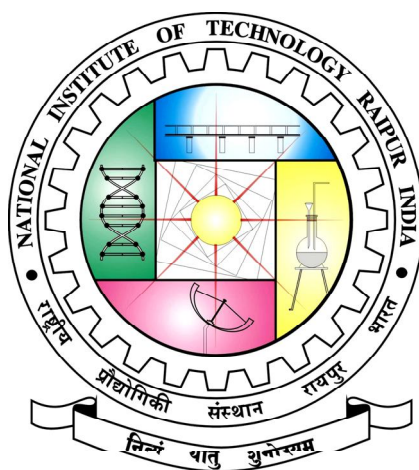
(AUTHENTICATED)

(DR. SHASHI THAROOR)

MINISTER OF STATE IN THE
MINISTRY OF HUMAN RESOURCE DEVELOPMENT

NEW DELHI

DATED :



NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR,
RAIPUR

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INTRODUCTION

VISION

“AN ACADEMIC PAR EXCELLENCE, FULFILLING THE NEEDS, ASPIRATIONS AND EXPECTATIONS OF SOCIETY THROUGH TECHNOLOGICAL INNOVATIONS AND CULTURAL DEVELOPMENT IN UNISON WITH GLOBAL TRENDS.”

MISSION

“IMPARTING EDUCATION BY EXERCISING ETHICAL STANDARDS BASED ON HUMAN VALUES IN PROMOTING TECHNOLOGY AND HUMAN RESOURCES TO BOOST SOCIO-ECONOMIC DEVELOPMENTS.”

1.1 Historical Background

National Institute of Technology, Raipur, (Formally known as Govt. Engineering College Raipur) situated in the capital of the newly incepted state of Chhattisgarh, has proven to be 'avant-garde' in the field of Science and Technology over past few decades in this region. With sweet memories of foundation laid by our first president Hon'ble Dr. Rajendra Prasad on 14th September 1956 and subsequent inaugurated by our first Prime Minister Hon'ble Pt. Jawaharlal Nehru, the institute started with two departments of Metallurgical and Mining Engineering housed in the heart of magnificent building that has towering head and strong long arms stretching East and West on the northern side of Howrah – Mumbai National Highway No. 6 called Great Eastern Road, leading to Bhilai.

The college was started in 1956 with two branches and since then it has never looked back. Stride after stride aloud medallion after medallion of success kept coming on. Presently, this is the only NIT with maximum number of branches available in the country. The students of this college have brought laurels to the institute. They are very well placed and working in responsible position in Government organizations, Public Sectors, Private Sectors, Multinational companies, CSIR organizations, Universities, Colleges in India and abroad.

The institute is now playing its important role of shaping not only the human resource of the newly born state but also in providing the technological support to the state in achieving higher and still higher goals

1.2 Campus & Location

The Institute is located at Raipur, the capital city of Chhattisgarh, a mineral rich region having enormous potential for development with seemingly inexhaustible natural resources. The Institute is spread over an area of 85 acres. The institute is 5 KM from the main railway station and 14 KM from the airport. The city of Raipur is situated on Mumbai Howrah route of Indian Railways at a distance of 831 KM from Howrah and 311 KM from Nagpur.

The location of the institute, in the mineral rich region, which has ample resources of coal, iron ore and other minerals, has given it a unique advantage of being in touch with the current industrial scenario. Many industries, such as those of cement, steel, alloy, mines, etc. are located in the vicinity of the institute. This is the only institute, not only in the present state but in the old state of Madhya Pradesh also, having the maximum number of branches. The institute offers undergraduate, post graduate and Ph.D. academic programmes.

The campus is completely planned, one consisting of the main Institute building, six hostel blocks including two separate for girl's, residential quarters for teaching and non-teaching staff, canteen, bank, estate office for campus maintenance, a well equipped dispensary and a well maintained guest house. The campus also hosts a separate NCC office looking to the requirements of the students for NCC training. The campus has got an additional facility of a local railway station Sarswati Nagar meant especially for the benefit of the students coming from the nearby areas. The campus is away from hubbubs of the city yet easily accessible.

Under the expansion and development plans of the institute recently, two separate buildings, one for Architecture and another for IT department, are under construction. Separate wing with classrooms and laboratories for Electronics and Communication Engineering has already been constructed. Looking to the increased number of girl students, one more separate girl's hostel for 200 students is completed. One Boy's Hostel for 800 Student is at completion stage. 200 Acres of land is allotted for the new campus in Rakhi & Bharenga.

2. BOG AND OTHER COMMITTEES

2.1 Board of Governors

1	Shri Vijay R Kirloskar CMD Kirloskar Electric Company Ltd. Bangalore	Chairman
2	Dr. (Mrs.) S K Pandey Director, NIT Raipur	Member (till 12 th Dec. 2011) (Ex-Officio)
3	Dr. S S Gokhle Director (I/c), NIT Raipur	Member (from 23 rd Dec. 2011) (Ex-Officio)
4	Sp. Secretary/ Add. Secretary / Joint Secretary (Technical) Ministry of Human Resource Development, Department of Higher Education, New Delhi	Member Nominee from MHRD
5	Financial Adviser, DHE Ministry of Human Resource Development, Department of Higher Education, New Delhi	Member Nominee from MHRD
6	Shri Kamal Sarda CMD, Sarda Energy & Minerals Ltd. Industrial Growth Center, Phase-I Siltara, Raipur	Member Nominee of Government of Chhattisgarh.
7	Shri A K Sharma Chief Engineer(EC), OSD(Technical Education, B-12, Shriram Nagar Phase-I Shankar Nagar, Raipur	Member Nominee of Government of Chhattisgarh

8	Dr. C M Agarwal Professor, Department of Mechanical Engineering, MANIT - Bhopal	Member
9	Prof.(Mrs.) Krishna Pramanik Professor, Department of Biotechnology & Medical Engineering, NIT - Rourkela	Member
10	Dr. A M Rawani Dean (Academic) & Professor Department of Mechanical Engineering, NIT –Raipur	Member
11	Dr. S Sanyal Associate Professor & Head Department of Mechanical Engineering, NIT - Raipur	Member
12	Dr. Shrish Verma Registrar (I/C) NIT- Raipur	Secretary (till 3 rd Oct. 2011, Forenoon)
13	Dr. Ravindra Sharma Registrar, NIT Raipur	Secretary (From 3 rd Oct. 2011, Afternoon)

2.2 Finance Committee

1	Shri Vijay R Kirloskar CMD Kirloskar Electric Company Ltd. Bangalore	Chairman
2	Dr. (Mrs.) S K Pandey Director, NIT Raipur	Member (till 12 th Dec. 2011) (Ex-Officio)
3	Dr. S S Gokhle Director (I/c), NIT Raipur	Member (from 23 rd Dec. 2011) (Ex-Officio)
4	Financial Adviser Ministry of Human Resource Development, Department of Higher Education, New Delhi	Member Nominee from MHRD
5	Dr. C M Agarwal Professor, Department of Mechanical Engineering, MANIT - Bhopal	Member
6	Dr. A M Rawani Dean (Academic) & Professor Department of Mechanical Engineering, NIT –Raipur	Member
7	Dr. Shrish Verma Registrar (I/c), NIT- Raipur	Member Secretary (till 3 rd Oct. 2011, forenoon) (Ex-Officio)
8	Dr. Ravindra Sharma Registrar, NIT Raipur	Member Secretary (From 3 rd Oct. 2011) afternoon (Ex-Officio)

2.3 The Senate

1	Dr. (Mrs.) S. K. Pandey	Chairperson of Senate & Director (till 12 th Dec. 2011)
2	Dr. S S Gokhle	Chairperson of Senate & Director (I/c) (From 23 rd Dec. 2011)
3	Dr. D.K. Marothia	Professor, ION, Raipur
4	Er. L. N. Tiwari	Secretary, Institution of Engineers, Raipur (C.G.)
5	Dr. Jai Laxmi Thakur	V.C., Bastar University
6	Dr. K D Permar	Professor, Head of Department Electrical Engineering, from Sep. 2011
7	Dr. A. S. Thoke	Dean (Research & Consultancy) & Professor, Dept. of Electrical Engineering from Sep. 2011
8	Dr. M. K. Verma	Head & Professor, Dept. of Civil Engineering from Sep. 2011
9	Dr. A. M. Rawani	Dean (Academics Affairs) & Professor, Dept. of Mechanical Engineering from Sep. 2011
10	Dr. R.K. Tripathi	Dean (Planning & Development) from Sep. 2011 & Head & Associate Professor, Dept. of Civil Engineering till Sep. 2011
11	Mr A.P. Rajimwale	Dean (Students Welfare) & Associate Professor, Dept. of Metallurgical Engineering from Sep. 2011
12	Dr R. P. Pathak	Head & Associate Professor, Dept of Mathematics
13	Dr (Smt) F. Khan	Head & Associate Professor, Dept. of Chemistry
14	Dr (Smt) Sadhna Agrawal	Head & Associate Professor, Dept. of Physics, Chief Warden (Girls hostel) till Sep. 2011
15	Dr. A. K. Shrivastav	Head & Associate Professor, Dept. of Physics, from Sep. 2011

16	Dr. (Mrs.) Subhrata Gupta	Head & Associate Professor, Electrical Engineering Dept. till Sep. 2011
17	Dr. Abir Bandyopadhyay	Head & Associate Professor, Dept. of Architecture till Sep. 2011
18	Shri D. Sanyal	Head & Associate Professor, Dept. of Architecture from Sep. 2011
19	Dr. (Ms.) S. L. Sinha	Head & Associate Professor, Dept. of Computer Science & Engineering
20	Dr. (Mrs) A.B.Soni	Dean (F&W) from Sep. 2011 & Head & Associate Professor, Dept. of Chemical Engineering till Sep. 2011
21	Dr. P. K. Choudhari	Head & Associate Professor, Dept. of Chemical Engineering form Sep. 2011
22	Shri B. Mazumdar	Head & Associate Professor, Dept. of Biotechnology & Biomedical till Sep. 2011
23	Shri A. K. Poonia	Head & Associate Professor, Dept. of Biotechnology & Biomedical from Sep. 2011
24	Dr. Manoj Pradhan	Chief Warden – Boys Hostel
25	Shri P Y Dhekne	Head & Associate Professor, Dept. of Mining Engineering till Sep. 2011
26	Shri B. R. Parate	Head & Associate Professor, Dept. of Mining Engineering from Sep. 2011
27	Dr P Diwan	Head & Associate Professor, Dept. of Applied Geology
28	Shri Rahul Salhotra	Head & Associate Professor, Dept. of Applied Mechanices
29	Dr. Sameer Bajpai	Head & Associate Professor, Dept. of Humanities & TPO
30	Dr. S. Sanyal	Head & Associate Professor, Dept. of Mechanical Engineering

31	Shri Harendra Bikrol	Head & Associate Professor, Dept. of MCA, till Sep. 2011
32	Shri M. Atulkar	Head & Associate Professor, Dept. of MCA, from Sep. 2011
33	Shri Shailesh Vaidya	Assistant Workshop Superintendent
34	Dr. Shrish Verma	Registrar (I/c) (till 3 rd Oct. 2011) (Forenoon), Head & Associate Professor, Dept. of IT & E&TC
35	Dr. Ravindra Sharma	Registrar, NIT Raipur (From 3 rd Oct. 2011) (Afternoon)

2.4 Building & Works Committee

1	Dr. (Mrs.) S. K. Pandey	Chairperson & Director (till 12 th Dec. 2011)
2	Dr. S S Gokhle	Chairperson & Director(I/C) (from 23 rd Dec. 2011)
3	Shri Rajesh Singh	Deputy Secretary, MHRD, New Delhi
5	Dr. R K Tripathi	Dean (Planning & Development)
6	Shri V P Singh	Executive Engineer , CPWD
7	Shri Vijay Gahane	Assistant Engineer(Electrical), CPWD
8	Dr. S Sanyal	Head & Associate Professor, Mechanical Engineering
9	Dr. Shrish Verma	Registrar (I/c) (till 3 rd Oct. 2011) (Forenoon)
10	Dr. Ravindra Sharma	Member Secretary & Registrar (From 3 rd Oct. 2011) (Afternoon)

3. ADMINISTRATION

3.1 Administrative Officers & Deans

Dr. (Mrs.) S K Pandey	Director (till 12 th Dec. 2011)
Dr. S S Gokhle	Director(I/C) (from 23 rd Dec. 2011)
Dr. Ravindra Sharma	Registrar (since 3 rd Oct. 2011) (Afternoon)
Dr. Shrish Verma	Registrar (I/c) (till 3 rd Oct. 2011) (Forenoon)
Dr. A M Rawani	Dean (Academic Affairs)
Dr. (Mrs) A.B.Soni	Dean (Faculty Welfare)
Dr. A. S. Thoke	Dean (Research & Consultancy)
Mr A.P. Rajimwale	Dean (Students Welfare)
Dr.R.K.Tripathi	Dean (Planning & Development)
Shri Ajaii Sharma	Deputy Registrar (Admin)
Shri S. K. Dogra	Deputy Registrar (F&A)

4. ACADEMIC AND OTHER DETAILS

4.1 Courses Offered

Under Graduate courses are offered in following disciplines

1. Biomedical Engineering
2. Biotechnology
3. Chemical Engineering
4. Civil Engineering
5. Computer Science & Engineering
6. Electrical Engineering
7. Electronics & Telecommunication Engineering
8. Information Technology
9. Mechanical Engineering
10. Metallurgical Engineering
11. Mining Engineering
12. Architecture

Post Graduate courses are offered in following disciplines

(a) M.Tech

1. Applied Geology
2. Chemical Engineering (Chemical Process Design)
3. Mechanical Engineering (Energy System & Pollution)
4. Civil Engineering (Water Resource Engineering)
5. Electrical Engineering (Computer Technology)

(b) Master of Computer Applications

4.2 Admission Procedure

B.Tech. :

The admission to 1st year of B.Tech. Programme is made through the All India Engineering Entrance Examination (AIEEE) conducted by CBSE and as per the guidelines framed by Ministry of Human Resource Development, Govt. of India, Department of Higher Education.

M. Tech. :

The courses leading to M.Tech. are open to those who have obtained the B.E./B.Tech./M.Sc. in relevant discipline or any degree recognized as equivalent there to by the N.I.T. Raipur with 60% marks or 6.5 CGPA in aggregate in the qualifying examination. However, the eligibility criteria may vary from time to time as per decision of the Senate.

Relaxation up to 5% of marks or 0.5 CGPA can be allowed by Senate for sponsored Candidates with proven research or professional experience.

Regular Students:

Only GATE qualified candidates are admitted to M.Tech. Programmes. Seats are reserved for various categories i.e. ST/SC/OBC as per norms. When GATE qualified candidates are not available, admissions are given to those who are not qualified in GATE on the basis of merit as detailed in P.G. regulation.

Sponsored Students:

- i) Few seats are also available for sponsored candidates. Sponsored candidates are not eligible to receive scholarship even if they are GATE qualified.
- ii) The candidates must have a total of minimum two years full time work experience in the sponsored organization which should be a reputed one.

- iii) There is no age restriction. However, preference is given to those who are below 45 years of age.
- iv) Sponsorship certificate in proper proforma is required from the employer at the time of admission.

M.C.A. :

The admission to 1st year of MCA programme is made through the NIT MCA Common Entrance Test(NIMCET) conducted by NIT and as per the guidelines framed by Ministry of Human Resource Development, Government of India.

Ph.D. Courses:

The Institute Provides facilities for research including that for the degree of Doctor of Philosophy (Ph.D.) in Engineering, Science, Humanities and Social Sciences. Total Fifty students have been registered for perusing Ph.D. Degree in this academic year.

Students:

National Institute of Technology Raipur has always been the preferred destination of the bright students. Students of N.I.T. Raipur also known for their excellence in socio-culture activities and in sports. This multilingual and multicultural environment is particularly conducive to its future development. The alumni of NIT Raipur have made a mark in industry and public life. They are taking significant interest in the affairs of the Institute and will continue to do so in future. Huge number of alumni dedicated to further development of the Institute.

4.3 Admission Statistics

Under Graduate (B.Tech)

Departments	Sanctioned Intake	Admissions
Architecture	62	62
Bio. Medical Engineering	62	47
Bio. Technology	62	56
Chemical Engineering	62	61
Civil Engineering	78	79
Computer Science & Engineering	92	92
Electrical Engineering	92	91
Electronics& Telecommunication Engineering	92	92
Information Technology	92	90
Mechanical Engineering	92	92
Metallurgical Engineering	92	93
Mining Engineering	77	76
Total	955	931

Post Graduate (M.Tech)

Departments	Sanctioned Intake	Admissions
Applied Geology	15	14
Master of Computer Applications	92	82
Civil Engineering	17	6
Chemical Engineering	25	2
Mechanical Engineering	17	12
Electrical Engineering	25	21
Total	191	137

4.4 Scholarship Details

Sr.No	Name of Scholarship	Sponsored by	UG / PG	No of Students	Amount Involved
1	Post Metric Scholarship for SC/ST/OBC	Tribal Welfare Dept. of C.G.	UG/PG	321	12656850
2	Minority Scholarship	Tribal Welfare Dept. C.G.	UG/PG	4	188770
3	Other State Scholarship for SC/ST/OBC/Gen	Other State	UG/PG	208	7832783
4	Minority Scholarship	Other	UG/PG	4	124680
5	M.Tech	NIT Raipur	PG	51	3838603
6	Ph.D	NIT Raipur		18	2540265
Total				606	27603236

4.5 Examination and Evaluation

Examinations are being conducted by the institute under academic autonomy granted to it by MHRD through its Gazette notification no. 34 Dated 06.06.2007. The institute has its own scheme of examination. The institute has adopted the transparent system of evaluation. Students can see their answer books after valuation. Presently marks and absolute grading system have been adopted for results declaration.

4.6 Result Statistics

1st Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	78	52	26	66.67
2	Bio Medical Engineering	64	25	39	39.06
3	Bio Technology	75	35	40	46.67
4	Chemical Engineering	72	40	32	55.56
5	Civil Engineering	98	73	25	74.49
6	Computer Science & Engineering	111	71	40	63.96
7	Electrical Engineering	102	71	31	69.61
8	Electronics & Telecomm. Engineering	107	71	36	66.36
9	Information Technology	111	73	38	65.77
10	Mechanical Engineering	106	76	30	71.70
11	Metallurgical Engineering	123	73	50	59.35
12	Mining Engineering	96	43	53	44.79

2nd Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	59	14	45	23.73
2	Bio Medical Engineering	32	15	17	46.88
3	Bio Technology	45	25	20	55.56
4	Chemical Engineering	53	34	19	64.15
5	Civil Engineering	73	47	26	64.38
6	Computer Science & Engineering	88	45	43	51.14
7	Electrical Engineering	89	66	23	74.16
8	Electronics & Telecomm. Engineering	93	67	26	72.04
9	Information Technology	81	57	24	70.37
10	Mechanical Engineering	92	66	26	71.74
11	Metallurgical Engineering	88	41	47	46.59
12	Mining Engineering	67	41	26	61.19

3rd Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	53	32	21	60.38
2	Bio Medical Engineering	32	19	13	59.38
3	Bio Technology	45	27	18	60.00
4	Chemical Engineering	52	40	12	76.92
5	Civil Engineering	72	56	16	77.78
6	Computer Science & Engineering	88	63	25	71.59
7	Electrical Engineering	89	65	24	73.03
8	Electronics & Telecomm. Engineering	91	34	57	37.36
9	Information Technology	80	51	29	63.75
10	Mechanical Engineering	92	61	31	66.30
11	Metallurgical Engineering	86	64	22	74.42
12	Mining Engineering	67	49	18	73.13

4th Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	48	21	27	43.75
2	Bio Medical Engineering	9	3	6	33.33
3	Bio Technology	12	8	4	66.67
4	Chemical Engineering	68	50	18	73.53
5	Civil Engineering	85	58	27	68.24
6	Computer Science & Engineering	89	58	31	65.17
7	Electrical Engineering	99	77	22	77.78
8	Electronics & Telecomm. Engineering	102	67	35	65.69
9	Information Technology	87	59	28	67.82
10	Mechanical Engineering	91	78	13	85.71
11	Metallurgical Engineering	80	69	11	86.25
12	Mining Engineering	47	24	23	51.06

5th Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	50	21	29	42.00
2	Bio Medical Engineering	8	3	5	37.50
3	Bio Technology	15	7	8	46.67
4	Chemical Engineering	68	50	18	73.53
5	Civil Engineering	86	55	31	63.95
6	Computer Science & Engineering	90	57	33	63.33
7	Electrical Engineering	103	61	42	59.22
8	Electronics & Telecomm. Engineering	88	65	23	73.86
9	Information Technology	81	62	19	76.54
10	Mechanical Engineering	92	70	22	76.09
11	Metallurgical Engineering	75	69	6	92.00
12	Mining Engineering	54	32	22	59.26

6th Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	43	17	26	39.53
2	Bio Medical Engineering	19	7	12	36.84
3	Bio Technology	24	18	6	75.00
4	Chemical Engineering	56	37	19	66.07
5	Civil Engineering	68	52	16	76.47
6	Computer Science & Engineering	78	63	15	80.77
7	Electrical Engineering	83	59	24	71.08
8	Electronics & Telecomm. Engineering	76	57	19	75.00
9	Information Technology	49	43	6	87.76
10	Mechanical Engineering	77	67	10	87.01
11	Metallurgical Engineering	77	67	10	87.01
12	Mining Engineering	51	35	16	68.63

7th Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	45	35	10	77.78
2	Bio Medical Engineering	15	12	3	80.00
3	Bio Technology	27	21	6	77.78
4	Chemical Engineering	53	41	12	77.36
5	Civil Engineering	60	55	5	91.67
6	Computer Science & Engineering	75	68	7	90.67
7	Electrical Engineering	80	66	14	82.50
8	Electronics & Telecomm. Engineering	73	69	4	94.52
9	Information Technology	49	44	5	89.80
10	Mechanical Engineering	76	74	2	97.37
11	Metallurgical Engineering	77	68	9	88.31
12	Mining Engineering	48	40	8	83.33

8th Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	37	37	0	100.00
2	Bio Medical Engineering	23	19	4	82.61
3	Bio Technology	27	22	5	81.48
4	Chemical Engineering	42	36	6	85.71
5	Civil Engineering	58	53	5	91.38
6	Computer Science & Engineering	62	58	4	93.55
7	Electrical Engineering	61	58	3	95.08
8	Electronics & Telecomm. Engineering	60	59	1	98.33
9	Information Technology	53	53	0	100.00
10	Mechanical Engineering	59	55	4	93.22
11	Metallurgical Engineering	59	55	4	93.22
12	Mining Engineering	36	34	2	94.44

9th Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	40	32	8	80.00

10th Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Architecture	39	39	0	100.00

M. C. A.					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Master of Computer Applications	82	67	15	81.71
2	Master of Computer Applications	38	25	13	65.79
3	Master of Computer Applications	38	34	4	89.47
4	Master of Computer Applications	63	54	9	85.71
5	Master of Computer Applications	62	59	3	95.16
6	Master of Computer Applications	57	57	0	100.00

M. Tech 1st Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Applied Geology	14	14	0	100.00
2	Chemical Engineering	2	2	0	100.00
3	Civil Engineering	12	12	0	100.00
4	Electrical Engineering	21	20	1	95.24
5	Mechanical Engineering	11	11	0	100.00

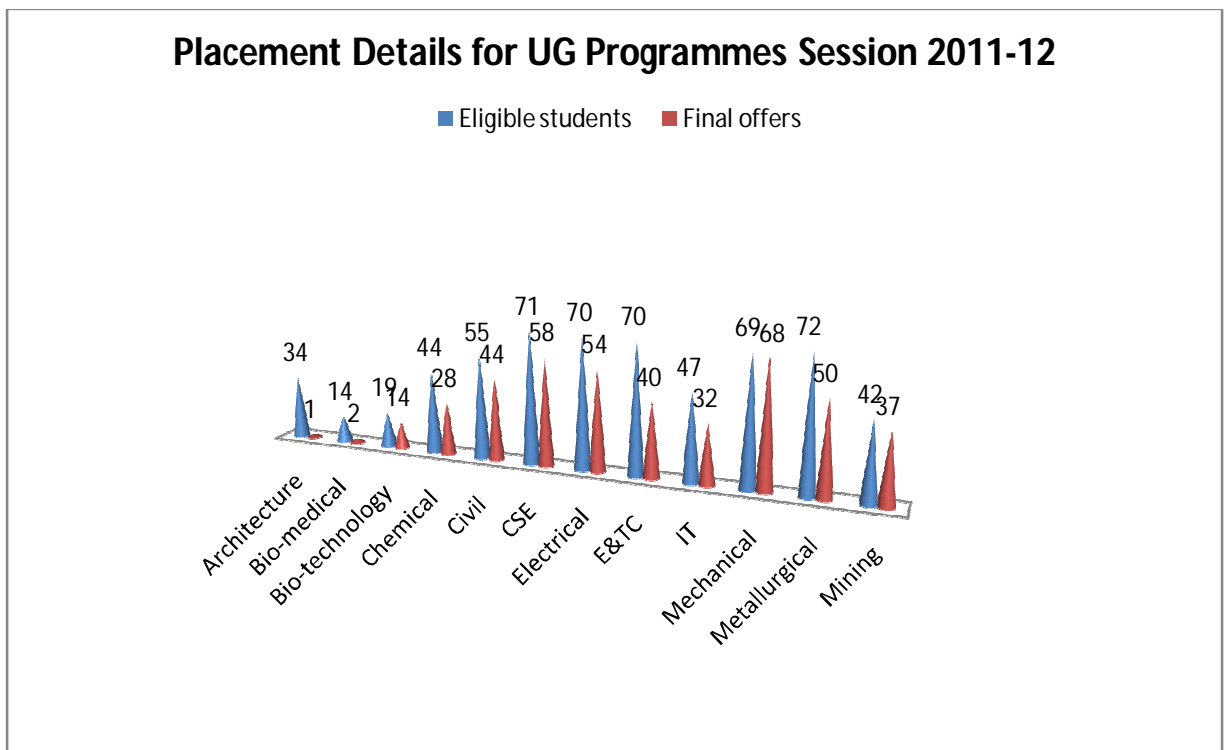
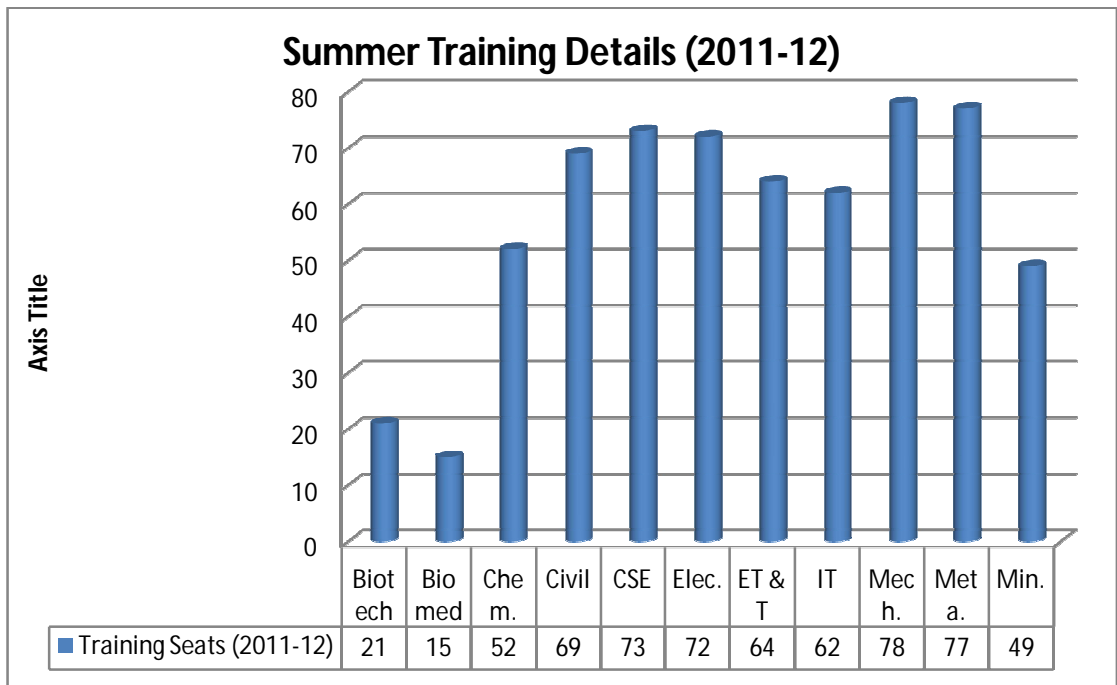
M. Tech 2nd Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Applied Geology	14	14	0	100.00
2	Chemical Engineering	7	7	0	100.00
3	Civil Engineering	6	6	0	100.00
4	Electrical Engineering	16	16	0	100.00
5	Mechanical Engineering	13	10	3	76.92

M. Tech 3rd Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Applied Geology	14	14	0	100.00
2	Chemical Engineering	7	7	0	100.00
3	Civil Engineering	6	6	0	100.00
4	Electrical Engineering	16	16	0	100.00
5	Mechanical Engineering	12	12	0	100.00

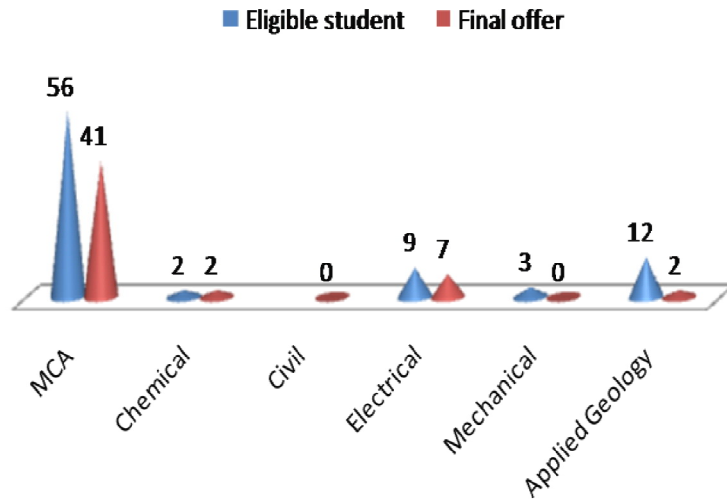
M. Tech 4th Semester					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Applied Geology	0	0	0	0.00
2	Chemical Engineering	10	10	0	100.00
3	Electrical Engineering	2	2	0	100.00
4	Civil Engineering	11	11	0	100.00
5	Mechanical Engineering	12	12	0	100.00

M. Tech Applied Geology Yearly Pattern					
S. No.	Branch	No. of Students			% of Passing
		Appeared	Passed	Failed	
1	Applied Geology (2 Year)	12	11	1	91.67

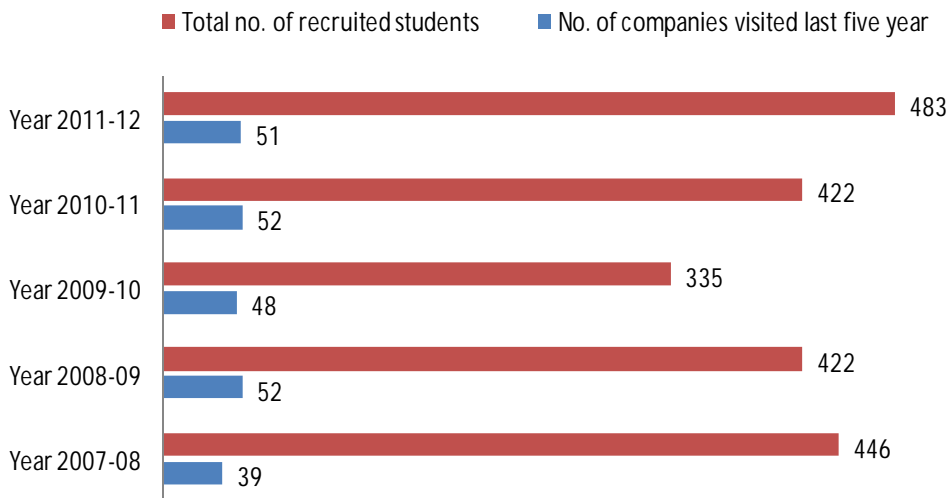
4.7 Training & Placement Details



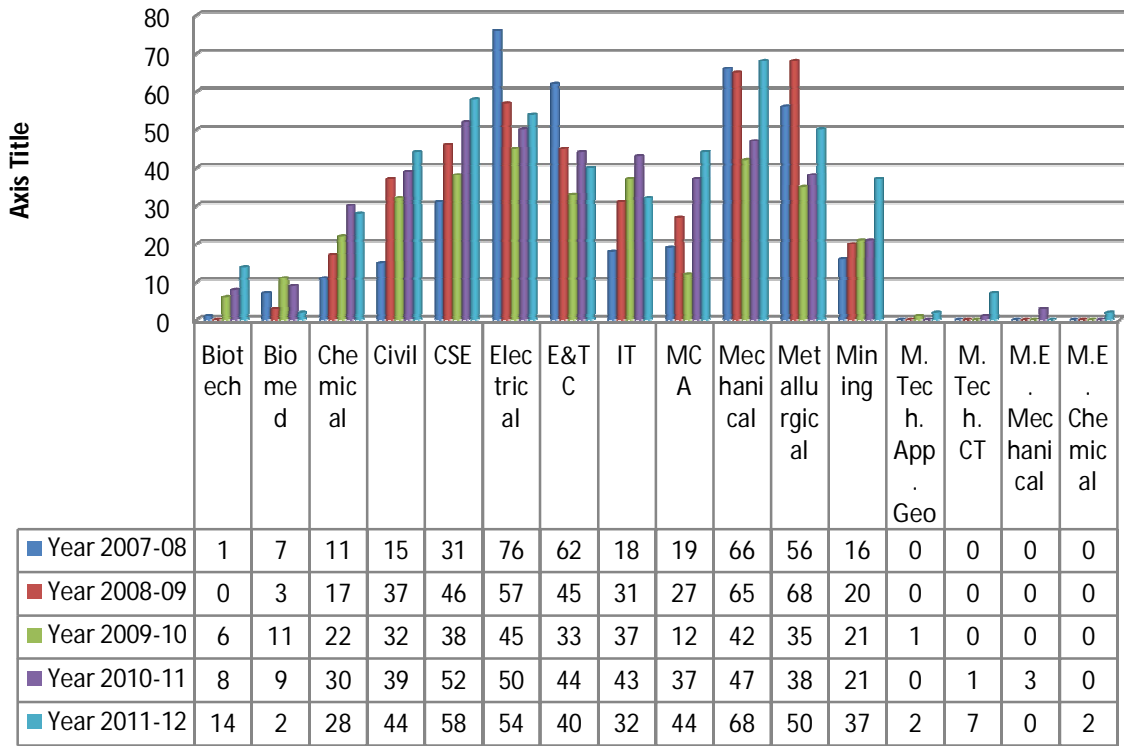
Placement details for PG programmes session 2011-12



Placement details overall last five years



Performance review of last five years (Branch-wise)



5.0 DETAILS OF DEPARTMENTS & OTHER ACTIVITIES

5.1 Departments

DEPARTMENT OF APPLIED GEOLOGY

Dr.P. Diwan	HOD & Associate Professor	M.Tech., Ph.D.
Dr. N.Vishwakarma	Assistant Professor	M.Tech., Ph.D.
Shri D.C.Jhariya	Assistant Professor	M.Tech.

Thesis (M.Tech)

Supervised by	-	Dr. P. Diwan
Name of the Scholar	-	1. Ms. Kabita Patel 2. Ms. Supriya Dewangan 3. Mr. Souvik Acharya 4. Mr. Yogendra Singh
Title of the Thesis	-	A Dissertation on ore Geology, Exploration, Mining and Environmental Control at Malanjkhand Copper Project, Dist. Balaghat (M.P.)
Supervised by	-	Dr. N. Vishwakarma
Name of the Scholar	-	1. Ms. Chanchal Singh 2. Ms. Poonam Sahu 3. Mr. Rakesh Nageshwar 4. Mr. Satyajeit Mishra
Title of the Thesis	-	A Dissertation On Ore Geology, Exploration, Mining and Environment Control at Lead Zinc Deposit of Dariba Bethumni Belt, Rajasthan.

Supervised by	-	Mr. D. C. Jhariya
Name of the Scholar	-	1. Ms. Chanchal Singh 2. Ms. Poonam Sahu 3. Mr. Rakesh Nageshwar 4. Mr. Satyajeit Mishra
Title of the Thesis	-	A Study of Manganese Deposit with Special reference to Geology, Exploration, Exploitation, Geotechnical Application, Mining Method and Environmental Control in and Around Bharweli Mine District – Balaghat (M.P.)

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Dr. N. Vishwakarma attended National Seminar on Emerging Trends in Scientific Research held at Dept. of Geology, Govt. V.Y.T.P.G Auto. College, Durg (C.G.) during 11&12 October 2011, & presented paper on “Temperature-Pressure conditions of metamorphism for Calc-silicate gneisses from Asind, Distt. Bhilwara, Rajasthan.”

Publication

- Research paper on “Physical and Infra-red characteristics of Diamond from Behradih Kimberlite, Bastar Craton, India” by D. Mainkar, T. Gupta, S.C. Patel, B. Lehmann, P. Diwan, F.V. Kaminski and G. K. Khachatryan was presented at 10th International Kimberlite Conference, Bangalore, India (6-11 Feb. 2012).
- Paper on “Emerging trends in geochemical analytical Instrumentation techniques: An overview” by P. Diwan, S.D. Deshmukh. In National Seminar on Emerging Trends in Scientific Research held at Dept. of Geology, Govt. V.Y.T.P.G Autonomous College, Durg (C.G.) during 11&12 October 2011.

- Research paper on “Geochemical characteristic of Amphibolites from Asind , District Bhilwara, Rajasthan, India” by H. Thomas and N. Vishwakarma was published in the Asian Journal of Chemistry, Vol. 12 (2011).
- Research paper on “Implications of Geochemistry in support of Palaeo-Proterozoic Tectonothermal Evolution of Bhopalpatnam Granulite Belt, Bastar Craton, Central India.” By Sandeep Vansutre, K.R. Hari and Neeraj Vishwakarma has been accepted on 02.12.2011 to be published in the Journal of the Geological Society of India.
- Research Paper Topic “Nitrate Pollution in the Groundwater Around Sagar Town, Madhya Pradesh- India” was presented by Mr. D.C. Jhariya International Conference – PSRC 2012 Organized by Planetary Scientific Research Centre Bangkok, Thailand During March 17-18, 2012.
- Paper on “Environmental aspects of water pumping from the wells in coal bed methane potential areas in different coal fields of India” By Abhaynand Yadav, D.C. Jhariya, Md. Qaisarul Haque, Neelratan Singh In National Seminar on Emerging Trends in Scientific Research held at Dept. of Geology, Govt. V.Y.T.P.G Autonomous College, Durg (C.G.) during 11&12 October 2011.
- Paper titled “Occurrences of columbite in Bastar Craton” was presented by Siddharth Singh and Rakesh Verma M. Tech Students of Applied Geology, In National Seminar on Emerging Trends in Scientific Research held at Dept. of Geology, Govt. V.Y.T.P.G Autonomous College, Durg (C.G.) during 11&12 October 2011.
- Paper titled “Mineralization in Chhattisgarh Conglomerate” was presented by Piyush Sharma, Deepak Tiwari In National Seminar on Emerging Trends in Scientific Research held at Dept. of Geology, Govt. V.Y.T.P.G Autonomous College, Durg (C.G.) during 11&12 October 2011.

- Paper titled “On The Status Of Diamond Potential In Chhattisgarh” was presented by Munesh K. Sahu and Rohit K. Sahu M. Tech Students of Applied Geology, In National Seminar on Emerging Trends in Scientific Research held at Dept. of Geology, Govt. V.Y.T.P.G Autonomous College, Durg (C.G.) during 11&12 October 2011.

DEPARTMENT OF APPLIED MECHANICS

Prof. Rahul Salhotra	Associate Professor / HOD	M.Tech.
Shri Satish Kumar Dewangan	Assistant Professor	M.Tech.
Dr. Nitin Kumar Jain	Assistant Professor	M.Tech & PhD

Seminar / Workshops / Conferences / Short term Courses / Organized/ Attended:

- Mr. Satish Kumar Dewangan Attended a AICTE STTP in IIT Chennai from 10th to 14th March 2012 on TCFD (Theoretical and Computational Fluid Dynamics).
- Mr. Satish Kumar Dewangan Attended a four Week Online Advanced course Multiphase Flow Modeling in March –April 2012 from Center for Computational Technologies Pvt Ltd.

Any other activities

Experimental stress analysis facility is in process.

CFD facilities is being progressively implemented throughout the institute

DEPARTMENT OF ARCHITECTURE

Shri. Debasis Sanyal	HOD & Associate Professor	B.Arch., M.Arch.
Dr. Abir Bandyopadhyay	Associate Professor	B.Arch., M.Plan, Ph.D.
Mrs. Swasti Sthapak	Associate Professor	B.Arch., M.Arch
Shri Himanshu Poptani	Assistant Professor	B.Arch., M.Arch.

Seminar / Workshops / Conferences / Short term Courses /Organized / Attended:

- Ar. Himanshu Poptani successfully completed “Professional Certificate in Environmental Planning and Management” from CEPT University, Centre for Continuing Education
- Ar. Rinku Parashar, “Conservation of Heritage Buildings”. Workshop on Heritage Conservation of Buildings in Chhattisgarh”. Archaeological Survey of India, Raipur, 23-12-11.
- Ar. Debashis Sanyal, “Heritage of Chhattisgarh”. Workshop on Heritage Conservation of Buildings in Chhattisgarh”. Archaeological Survey of India, Raipur, 23-12-11.
- Ar. A. Raghunandan, “Practical building Conservation Work”, Workshop on Heritage Conservation of Buildings in Chhattisgarh”. Archaeological Survey of India, Raipur, 23-12-11.
- Ar. Chandan Kumar, “Maintenance of Heritage Buildings”, Workshop on Heritage Conservation of Buildings in Chhattisgarh”. Archaeological Survey of India, Raipur, 23-12-11.

Publication

- Dr. Abir Bandyopadhyay, “Modern Architecture of India-In Search of Identity”, *ABACUS*, spring 2011, Vol.6, NO.1, pp. 1-6.
- Dr.Abir Bandyopadhyay, Mr.Pranav Mishra “ Developing The Building Form For An Office Building In Hot-Dry Composite Climate— An Intuitive Approach”, *The Journal of the Indian Institute of Architects*, July 2011, Vol. 76 issue 7, pp. 15-18.
- Ar. D. Sanyal, “*Role Of Renewable Energy In Development Of Sustainable Housing In Developing Countries*”, Environmental Earth Series, Survival and Sustainability: Environmental Concerns in the 21st Century, Springer, 2011, ISBN 978-3-540-95990-8, pp. 425-434.

- Ar. D. Sanyal, “Deriving Major Development Strategies for Eco-City in Asian Context”, *11th Asian Urbanization Conference*, Hyderabad, 12.12.2011, pp. 226.

DEPARTMENT OF BIOMEDICAL ENGINEERING

Mr A K Poonia	HOD	B.E, M. Tech.
Mr Bikesh Kumar Singh	Assistant Professor	B.E., M.Tech.

Thesis (M.Tech)

Supervised by	-	Bikesh Kumar Singh
Name of the Scholar	-	Sudeshna
Title of the Thesis	-	Comparative analysis of filtering techniques of breast ultrasound images.

Seminar / Workshops / Conferences/ Short term Courses / Organized / Attended:

- Mr Bikesh Kumar Singh, “Winter school on Digital Image Processing, Sponsorer Rourkela on 13/12/2011 to 18/12/2011.

Publication

- Bikesh Kumar Singh, Anamika Yadav and Shailaja Singh, “ANN based Classifier System for Digital Mammographic Images” *International Journal of Computer Applications*, Vol. 35(13), pp. 39-42, December 2011.
- Bikesh Kumar Singh, A.S. Thoke, Keshri Verma and Ankita Chandrakar, “Image Information Retrieval From Incomplete Queries Using Color And Shape Features” *Signal & Image Processing : An International Journal (SIPIJ)* Vol.2, No.4, pp. 213-220, December 2011.
- Neelam Marshkole, Bikesh Kumar Singh and A S Thoke, “Texture and Shape based Classification of Brain Tumors using Linear Vector Quantization”,

International Journal of Computer Applications 30(11), pp. 21-23, September 2011.

- Neelam Marshkole, Bikesh Kumar Singh and A.S.Thoke, “Texture and Shape Based Classification of Brain Tumors Using Back-Propagation Algorithm”. International Journal of Computer Science and Information Technologies, Vol. 2(5), pp. 2340-2342, October 2011.
- Bikesh Kr. Singh, “Mammographic Image Enhancement, Classification and Retrieval using Color, Statistical and Spectral Analysis” International Journal of Computer Applications 27(1), pp. 18-23, August 2011.
- Mohd. Imroze Khan, Bhibhudendra Acharya, Bikesh Kumar Singh and Jigyasa Soni, “Content Based Image Retrieval Approaches for Detection of Malarial Parasite in Blood. Images” International Journal of Biometrics and Bioinformatics (IJBB), Volume (5) : Issue (2) , pp. 97-110, May 2011.
- Shailaja Singh, Anamika Yadav and Bikesh Kumar Singh, “Performance Analysis of Mammographic Image Enhancement Techniques for Early Detection of Breast Cancer” in proceedings of International Conference Parallel, Distributed Computing technologies and Applications (PDCTA-2011), published by Springer (LNCS) in Communications in Computer and Information Science (CCIS), Volume 203, Part 1, pp. 439-448, September 2011.
- Anamika Yadav and Bikesh Kumar Singh, and Shailaja Singh “Comparative Analysis and Evaluation of Enhancement Techniques for Digital Mammograms” in Proceedings of 2nd IEEE, International Conference on Computer and Communication Technology (ICCCT-2011) held at Motilal Nehru National Institute of Technology , Allahabad, pp. 159-163, September 2011.
- Bikesh Kumar Singh, A.S. Thoke and Keshri Verma “ An Overview and Comparative Study of Segmentation Techniques for Extraction of Tongue

Region for Computerized Tongue Diagnosis” in proceedings of International Conference Parallel, Distributed Computing technologies and Applications (PDCTA-2011), published by Springer (LNCS) in Communications in Computer and Information Science (CCIS), Volume 203, Part 1, pp. 473-483, September 2011.

- Ankita Chandrakar, A.S Thoke, and Bikesh Kumar Singh, “Indexing and Retrieval of Medical Images Using CBIR Approach” in proceedings of International Conference Parallel, Distributed Computing technologies and Applications (PDCTA-2011), published by Springer (LNCS) in Communications in Computer and Information Science (CCIS), Volume 203, Part 1, pp. 393-403, September 2011.

DEPARTMENT OF BIO TECHNOLOGY

Mr A K Poonia	HOD	B.E, M. Tech.
Dr. Lata S. B. Upadhyay	Assistant Professor	M. Sc., Ph. D.
Dr. Pratima Gupta	Assistant Professor	M. Sc., Ph. D.

Research & Development

- Project entitled “Chemical and enzymatic modification of NSAID to overcome their side effect” for a period of two years (2012-14) by Chhattisgarh Council of Science and Technology (Rs. 2,00,000/-), Principle Investigator: Lata S. B. Upadhyay.
- Project entitled “Lipase catalyzed bio diesel production from non edible oils by lipolytic bacteria” for a period of three years (2012-2015) by Department of Science and Technology (Rs.19,00,000/-) Principle Investigator: Lata S. B. Upadhyay.

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Lata S. B. Upadhyay participated in Induction training program on “value education” conducted by Center for Education in Universal Values, N.I.T, Raipur from 09.03.2012 to 14.03.2012.
- Ashwini Kumar attended the workshop on “Tissue engineered scaffold: Fabrication and Characterization” at NIT Rourkela in March 2012.
- Prashant Katiyar attended HANDS ON TRAINING PROGRAM in (B.M.H.R.C) ON COBAS AMPLICOR, FACs, Lyophilizer (Vaccum drying) in 2011
- Sheela Yadav attended a National Conference named Twenty Seventh National Convention of Environmental Engineers (India), Mangalore.
- Sharmistha Banerjee Participated in Workshop on “Intellectual Property Rights”, held at BIT, Mesra (Ranchi) in December 2011.
- “Microbial fuel cell for electricity generation by exoelectrogenic bacteria” by Gupta et al, International Conference of Renewable energy , Dec. 2011, Bhubneswar.

Publication

- Gupta et al., 2012. Comparative study of Microbila fuel cell for electricity generation by enriched exoelectron generating bacteria from environmental samples. *Asian Journal of Biotechnology*. 4; 137-142
- Gupta et al. 2012. Isolation of cellulose degrading bacteria and determination of its cellulolytic potential. *International Journal of Microbiology*. DOI: 2012/578925
- Lata Sheo Bachan Upadhyay and Nishant Verma “Enzyme Inhibition Based Biosensor: A Review”, *Analytical Letters*, 2012 (DOI: 1080/00032719.2012.713069).

- Prashan Katiyar, Role of Caspase in programmed cell death in multicellular organism published in International journal of Biomedical Research in December 2011

DEPARTMENT OF CHEMICAL ENGINEERING

Dr. P.K. Choudhari	HOD & Associate Professor	BE, M. Tech., Ph. D
Mr Bidyut Mazumdar	Associate Professor	M. Tech., MBA
Dr (Mrs) A B Soni	Associate Professor	B.E, M Tech., Ph.D
Mr A K Poonia	Associate Professor	B.E, M. Tech.
Mr V K Singh	Associate Professor	B.E, M. Tech.
Dr. Amit Keshav	Assistant Professor	B.E, M.Tech, Ph.D
Mr. Dharam Pal	Assistant Professor	B.E., M.Tech

Thesis (M.Tech.)

Supervised by	-	Anil Kumar Poonia
Name of the Scholar	-	Chetan Sharma
Title of the Thesis	-	“Some studies on treatment of simulated automotive exhaust by catalytic converter”
Supervised by	-	V.K. Singh
Name of the Scholar	-	Manjari Jha
Title of the Thesis	-	Study of Performance of Reheating Furnace of a steel plant by using PHAST (Process Heat. tool) Assessment and survey.
Supervised by	-	Dharm Pal
Name of the Scholar	-	Ms. Neha Budhwani
Title of the Thesis	-	“Removal of polycyclic aromatic hydrocarbons present in tyre pyrolytic oil using low cost natural absorbents ”

Supervised by	-	Dharm Pal
Name of the Scholar	-	Mr. Sandeep Kumar Soni
Title of the Thesis	-	“kinetics of mass transfer accompanied chemical Reaction”

Laurels & Distinctions

- Mr. Dharm Pal received best conference paper award in an international conference ICEES' 12 held at Bangkok, Thailand on 17-18 March 2012.

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Dharm Pal attendant one week refresher course on “finite Element Method” held NIT Raipur.
- Parmesh Kumar Chaudhari visited to Singapore for presentation of paper on “2012 International Conference on Future Environment and Energy Engineering”, Dated Feb 26-28, 2012. The conference was organized by Asia-pacefic Chemical, Biological & Environmental Engineering Society.
- Dharm Pal, M.Tech Attended International conference on Chemical, Ecological & Environmental sciences” held at Bangkok, Thailand

Publication

- P. K. Chaudhari, I. M. Mishra and Shri Chaand, “ Kinetics of catalytic themolysis of biodigester effluenr. Chemical Engineering Communication, 199(2012) 1-15.

DEPARTMENT OF CHEMISTRY

Dr. (Mrs) Fahmida Khan	HOD & Associate Professor	M.Sc., Ph.D.
Dr. (Mrs) Kavita Tapadiya	Assistant Professor	M.Sc, Ph.D.
Dr. Shyama Prasad Mahapatra	Assistant Professor	M.Sc., Ph.D.

Research & Development

- Dr. S. P. Mahapatra: Co-investigator: Preparation and characterization of Microcellular elastomer nano-composites for packaging, vibration isolation, semi conducting and electro-magnetic interference shielding application
- Dr. (Mrs.) K. Tapadia: Co-investigator: Chemical and enzymatic modification of NSAID to overcome their side effect.

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Fahmida Khan “Synthesis and Analytical Review of Hydroxamic Acid for Separation Science and Nuclear fuel Reprocessing” Invited Talk delivered at the All India Conference-2012 on “Chemical Science: “Integrated Efforts for Sustainable Development & Ecological Resilience”, organized by Chhatrapati Shivaji Institute of Technology, Bhilai (C.G.), 20-21 January 2012
- Kavita Tapadia attended Gas chromatography mass spectrometry determination of antidepressants drug imipramine in a single drop of human urine sample, Petromass, IX International Mass Spectrometry Conference on Petrochemistry, Environmental and Food Chemistry, 2011, held in Moscow, Russian Federation on November, 14-15, 2011.
- Kavita Tapadia attended International workshop on advanced material Science and Astrophysics, Pt. R.S.S. University, Raipur, 19-21, Feb, 2012.
- Kavita Tapadia attended “How to participate International and National conferences, Symposia, Seminars, Workshops and Training Courses”, Pt. R.S.S. University, Raipur, 24-02 March, 2012.
- Kavita Tapadia attended Induction Training program on Value Education, at NIT, Raipur, 09-14 March, 2012.
- S. K. Tiwari, S. P. Mahapatra, B. Sahoo, S. K. Pandey, Physico-Mechanical Properties of Multiwalled Carbon Nanotube Reinforced Chlorobutyl Elastomer

- Nanocomposites, International Conference, APM-2012, 10-12 Feb, by LARPM, Central Institute of Plastic Engg. and Tech., Ahmedabad, India, OP, , Page 185.
- S. K. Tiwari and S. P. Mahapatra, Chlorobutyl Elastomer Nanocomposites as Effective Barrier Materials, NanoSciTech 2012, International Conference, OL, 16-18 Feb 2012, Punjab University, Chandigarh, India.
 - S. K. Tiwari and S. P. Mahapatra, Morphology and Visco-Elastic Properties of Chlorobutyl Elastomer Nanocomposites: Effect of Multiwalled Carbon Nanotube Loading, OP-10, Page 28, Fourth Conference on Recent Advances in Polymer Technology, March 2-3, 2012, Deptt. of Chemical Technology, North Maharashtra University, Jalgaon, India.
 - J. Saji, S. P. Mahapatra, S. Agrawal, D. Sahu, Physical and Mechanical Properties of Multiwalled Carbon Nanotube Reinforced Silicon Elastomer Nanocomposites, International Conference, IMPC-2012, 23-25 March, OP, Page: MG University, Kottayam, Kerala, India.
 - S. K. Tiwari, B. P. Sahoo and S. P. Mahapatra, Identification of Crosslink Precursors in Chlorobutyl Elastomer Composites, National Conference, ITMAST-2012, T4/12/019, Page 68, 8th April 2012, CCEM, Kabir Nagar Raipur, India.
 - Dr.(Mrs.),F. Khan: Paper entitled “Reaction Mechanism of the Ceric oxidation of Benzo hydroxamic acid with different acid medium” has been accepted as invited lecture to be presented in 13th Florida Heterocyclic and synthetic IUPAC sponsored conference (FloHet-2012) at the University of Florida in Gainesville, March 4-7, 2012.

Publication

- S.Ganesh, Fahmida Khan, M.K.Ahmed and S.K.Pandey, Sequential Determination of Free Acidity and Hydrazine in presence of Hydrolysable Ions. Radiochim. Acta 99, 587-591 (2011)

- S.Ganesh, Fahmida Khan, M.K.Ahmed and S.K.Pandey, Potentiometric Determination of Free Acidity in presence of hydrolysable Ions And sequential determination of hydrazine. *Talanta* 85(2011) 958-963.
- S.Ganesh, F.Khan, M.K.Ahmed, P.Velavendan, N.K.Pandey, U.Kamachi Mudali and S.K.Pandey, “Determination of ultra traces amount of uranium in raffinates of Purex process by laser fluorimetry”, *J.Radioanal.Nucl.Chem* DOI 10.1007/s 10967-011-1431-1.
- S.Ganesh, Fahmida Khan, M.K.Ahmed, P.Velavendan, N.K.Pandey, U.Kamachi Mudali and S.K.Pandey, “Spectrophotometric determination of hydrazine with *para*-dimethylaminobenzaldehyde in aqueous streams of purex process”, *I. Journal of Nucl. Energy Science and Engineering*, 2,1 (2012) 1-4
- S.Ganesh, Fahmida Khan, Sonalika Agrawal, M.K.Ahmed and S.K.Pandey “Spectrophotometric determination of Uranium with Thiocyanate, *CSV TU Research Journal*, Vol. 04, No. 01, 2011.
- Kavita Tapadia, Kamlesh Shrivastava, Lata Sheo Bacchan Upadhyay GC–MS Coupled with Hollow-Fiber Drop-to-Drop Solvent Microextraction for Determination of Antidepressants Drugs in Human Blood Sample, *Chromatographia*, (2011), 74: 437–442, DOI 10.1007/s10337-011-2096-1
- S. P. Mahapatra, D. K. Tripathy and Y. Lee, Electrical Response of Microcellular EPDM Rubber Composites: Complex Dielectric Modulus Formalism and Current-Voltage Characteristics, *Polymer Bulletin*, Published Online, 03 February 2012.
- S.Ganesh, Fahmida Khan, Sonalika Agrawal, and M.K.Ahmed “Determination of Uranium in water samples with thiocyanate” Paper presented at National Seminar on Recent Trends in Chemical Sciences and Future Prospects, Oct.11-12,2011, Organised by Dept. of Chemistry(DSI-FIST Sponsored) Govt.V.Y.T.PG autonomous College,Durg(C.G.) paper id OP-7, page 13.

- S.Ganesh, Fahmida Khan, Sonalika Agrawal, and M.K.Ahmed “Spectrophotometric Determination of Phosphate in water samples” Poster presented at National Seminar on Recent Trends in Chemical Sciences and Future Prospects, Oct.11-12,2011, Organised by Dept. of Chemistry(DSI-FIST Sponsored) Govt.V.Y.T.PG autonomous College,Durg(C.G.) paper id PP-24 page 52.
- Sonalika Agrawal Fahmida Khan, S.Ganesh,, and M.K.Ahmed “On site monitoring of trace level of Nickel by Ni-DMG strip paper in water samples”paper presented at the All India Conference-2012 on “Chemical Science: “Integrated Efforts for Sustainable Development & Ecological Resilience”,organized by Chhatrapati Shivaji Institute of Technology, Bhilai (C.G.), 20-21January2012, paper id Che A1218,page 157.
<http://www.springerlink.com/content/p76h615262645771/>

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr. Shobha Lata Sinha	HOD & Associate Professor	M.E, Ph.D.
	(Mechanical Engg)	
Shri. Naresh Kumar Nagwani	Assistant Professor	M.Tech.
Shri. Dilip Singh Sisodiya	Assistant Professor	M.Tech.
Shri. Pradeep Singh	Assistant Professor	M.Tech.

Thesis (Doctoral)

Supervised by	-	Dr. S. L. Sinha
Name of the Scholar	-	Mr D Sakhare
Title of the Thesis	-	Design & Development of Catalytic Converter for reducing NOx emission from Diesel Engine
Name of the Scholar	-	Mr S B Thool

Title of the Thesis	-	Numerical Simulation of Air Flow & Contamination Control in Surgical Site of Hospital
Name of the Scholar	-	Mr Tikendra Kumar Verma
Title of the Thesis	-	Numerical Simulation of Contamination Control in Intensive care unit of Hospital
Name of the Scholar	-	Mr R K Yadav
Title of the Thesis	-	Performance of I C Engine using Alternative Fuel
Name of the Scholar	-	Mr S K Dewangan
Title of the Thesis	-	CFD for Multiphase flow
Name of the Scholar	-	Mr Mohan Hari
Title of the Thesis	-	Heat Exchanger Design
M.Tech		
Name of the Scholar	-	Ms Disha Dewangan
Title of the Thesis	-	Electrification of Un-electrified Remote Village by Hybrid Bio-solar Power Plant for Providing Minimum Energy Needs.
Thesis (M.Tech)		
Supervised by	-	Naresh Kumar Nagwani
Name of the Scholar	-	Mr. Sanjay Chakraborty
Title of the Thesis	-	Study and Performance Analysis of Incremental k-means and DB Scan Clustering Algorithms
Name of the Scholar	-	Mr. Neeraj Sharma
Title of the Thesis	-	Study and Performance Analysis of Incremental Apriori Algorithms

Laurels & Distinctions

- **Dr.S.L.Sinha (Head of Department)**

1. Selected for “ Rajiv Gandhi Excellence Award” by India International Friendship Society in June 1, 2011.
2. Selected for “ Glory of India Award” by India International Friendship Society in Jan 1, 2012.

- **Prof. Dilip Singh Sisodia:- MIEEE,MACM,LMIE,LMIETE**

1. Selected for “ Rajiv Gandhi Excellence Award” by India International Friendship Society

- **Prof. Pradeep Singh(MIEEE,MACM,LMIE,LMIET)**

Awarded IASc-INSA-NASI SRF to work with Prof. Nikhil R. Pal, Indian Statistical Institute, Kolkata

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Dr. S.L. Sinha attended International Conference ICAER 2011. IIT Bombay, Mumbai on Dec 9-11, 2011.
- Prof. Dilip Singh Sisodia attended Convergence of Technology, Management and Global Business, National Institute of Technology, Raipur, CG on Dec 20, 2011.
- Prof. Dilip Singh Sisodia attended International Conference on Computer, Electrical, and Systems Sciences, and Engineering (ICCESSE 2011), Singapore on Sept-2011.
- Prof. Dilip Singh Sisodia attended Value education for Teachers of NIT Raipur, National Institute of Technology, Raipur, CG on 09-03-12 to 4-03-12.
- Naresh Kumar Nagwani attended IEEE, ICT& Knowledge Engineering, Siam University Bangkok on Jan 2012.
- Naresh Kumar Nagwani attended to present paper in International conference in Bangkok.

- Pradeep Singh & Dilip Singh Sisodia attended International conference in Singapore to present paper.
- Dr. S.L.Sinha attended international Conference ICAER 2011 “Hybrid Power System: A Step Towards Utilisation of Clean Renewable Energy Resource for the Development of Rural Areas in India”, at IIT Bombay, Mumbai held on Dec 9-11, 2011.
- Dr. S.L.Sinha attended "Performance Of Diesel Engine Using Blends of Conventional Diesel, Bio-diesel & Alcohol As Fuel" in International Conference ICAER 2011, IIT Bombay, Mumbai held on Dec 9-11, 2011.
- Dr. S.L.Sinha attended “Hybrid Power System: A Step Towards Utilisation of Clean Renewable Energy Resource for the Development of Rural Areas in India in the proceedings of International Conference on “Advances in New Renewable Energy Sources” organized by Shri Rawatpura Sarkar Group of Institutions on May15, 2011.

Publication

- Naresh Kumar Nagwani, Sandeep Kumar Gonnade, “Recovery of loss of packet in network using constant packet reordering”, International Journal of Communication Network & Security, Volume-1, Issue-1, 2011.
- Naresh Kumar Nagwani, Dr. Shrish Verma, “BugML: Software Bug Markup Language”, International Journal of Computer Applications (0975 – 8887), Volume 26– No.2, pp.42-47, July 2011.
- Sanjay Chakraborty, Naresh Kumar Nagwani, “Analysis and Study of Incremental DBSCAN Clustering Algorithm”, International Journal of Enterprise Computing and Business Systems, Vol. 1 Issue 2 July 2011.
- Sanjay Chakraborty, Naresh Kumar Nagwani, “Performance Comparison of Incremental K-means and Incremental DBSCAN Algorithms” , International

Journal of Computer Applications 27(11):14-18, August 2011. Published by Foundation of Computer Science, New York, USA.

- Naresh Kumar Nagwani, Shrish Verma, “A Frequent Term and Semantic Similarity based Single Document Text Summarization Algorithm”, International Journal of Computer Applications 17(2):36-40, March 2011. Published by Foundation of Computer Science.

DEPARTMENT OF CIVIL ENGINEERING

Dr. M.K.Verma	Head & Professor	B.E., M.Tech., Ph.D.
Dr. R. K. Tripathi	Associate Professor	B.E., M.Tech., Ph.D.
Dr. Samir Bajpai	Associate Professor	B.E., M.Tech., Ph.D.
Dr. U. K. Dewangan	Associate Professor	B.E., M.Tech., Ph.D.
Dr. G. D Ramtekkar	Associate Professor	B.E., M.E., Ph.D.
Shri Ajay Vikram Ahirwar	Assistant Professor	B.E , M.Tech.
Mr. Laxmikant Yadu	Assistant Professor	B.E , M.E.
Mr. Shirish V. Deo	Assistant Professor	B.E., M.E.
Dr. (Mrs.) C.P. Devatha	Assistant Professor	B.E., M.E., Ph.D.

Laurels & Distinctions

- M.K. Verma, Biography being published in ‘Who's Who in Science and Engineering, 2011-2012’.

Thesis (Doctoral)

Name of the Scholar	-	Mr. N. P. Dewangan
Title of the Thesis	-	Response modeling of Raipur lime stone aquifer under natural uncertainty with special focus to its excitation under distant Earthquake.
Name of the Scholar	-	Mrs Shraddha Sharma

Title of the Thesis - **Some Aspect of Computational Mechanics in Inverse Problem in Structural System Identification**

Name of the Scholar - Manoj Kumar Tiwari

Title of the Thesis - **A study on environmental sustainable management of industrial solid waste and its environmental impact for Durg Bhilai Region**

Thesis (M.Tech)

Name of the Scholar - Shashikant Dani

Title of the Thesis - **“Study of sustainable ground water recharging pattern for Block Dharsiwa of Raipur”**

Name of the Scholar - Kamal Narayan sahu

Title of the Thesis - **“Assessment and management of ground water for the Kharun Basin using Visual MODFLOW”**

Name of the Scholar - Sukhendra Modak

Title of the Thesis - **. “Application of ArcGIS for Estimation of Basin potential and reservoir planning (A Case study- Kharun River Basin)”**

Name of the Scholar - Sanjay Kr Srivastava

Title of the Thesis - **“Optimization Modelling for Crop Planning of Hasdeo Bango”**

Seminar /Workshops / Conferences / Short term Courses / Organized / Attended:

- M.K. Verma attended IAENG International Conference on Bioinformatics, Hong Kong, March 14-16, 2012.
- M.K. Verma, Key Note speaker ‘World Water Day’ Organized by The Institute of Engineers (India) on 22nd March 2012.

- M.K. Verma attended 44th Annual Convention, Raipur organized by Indian Water Works Association from 7th – 9th January 2012.
- M.K. Verma attended National Symposium on Bioinformatics: Challenges in the post-genomic era, Organized by University of Jammu on 2nd February 2012.
- M.K. Verma chaired a session of 27th National Convention of Civil Engineers and National Seminar on Integrated Development of Towns as Growth Centers at Raipur Chhattisgarh, 2011.
- M.K. Verma attended 72nd Annual Session of Indian Road Congress at Lucknow, November 3 to 6, 2011.
- Rakesh Kumar Tripathi attended International Conference of Advances in Materials and Techniques for Infrastructure Development (AMTID 2011) on 28th September 2011 to 30th September 2011 from National Institute of Technology Calicut, 673601 Kerala (India).
- Rakesh Kumar Tripathi attended Integrated Development of Towns as Growth Centers on 15th Oct. 2011 to 16th Oct. 2011 from IEI (India) C G State Center Raipur and N I T Raipur
- Rakesh Kumar Tripathi attended 44th Annual Convention of Indian Water Works Association at Raipur on 7th Jan. 2012 to 9th Jan. 2012 from Indian Water Works Association.
- Rakesh Kumar Tripathi attended National Conference URVA TECH on “Industry Institute Interaction for Emerging Technologies”. On 17th March 2011 from SSITM Junwani Bhilai (Chhattisgarh)
- Rakesh Kumar Tripathi attended Workshop on “Structural Behaviour and Design” for Structural Engineers. on 15th Dec. 2011 from Bhilai Institute of Technology Bhilai.
- Rakesh Kumar Tripathi attended Integrated Development of Towns as Growth Centers, on 15th Oct. 2011 to 16th Oct. 2011 from IEI (India) C G State Center Raipur and N I T Raipur

- S. Bajpai & Hina Chawda attended 2012, ‘Humanization of Teacher Education through Existence Based Human Centric Consciousness-Developing Value-Education’, Proceedings of International Seminar on Teacher Education for Peace and Harmony, Feb 11-13, 2012, Organized by IASE Deemed University, Gandhi Vidya Mandir Sardar Shahar.
- S. Bajpai & Hina Chawda attended 2012. Education in Universal Values for Global Peace and Harmony: Some Experiments in Technical Education. International Seminar on Teacher Education for Peace and Harmony, Feb 11-13, 2012, Organized by IASE Deemed University, Gandhi Vidya Mandir Sardar Shahar
- Bajpai Samir attended National Seminar on “Integrated Development of Towns as Growth Centres” on 15 October 2011 to 16 October 2011 from The Institution of Engineers Chhattisgarh State Centre, Raipur
- Bajpai Samir attended International Seminar on Teacher Education for Peace and Harmony on 11.02. 2012 to 13.02. 2012 from IASE Deemed University, Gandhi Vidya Mandir Sardar Shahar.
- Bajpai Samir attended 44th Annual Convention of IWWA and National Seminar on Water Issues on 7.01.2012 to 09.01.2012 from IWWA Mumbai
- Bajpai Samir attended Short Term Course on “Design and Rehabilitation of Highway Pavements” on 19 November 2011 to 21 November 2011 from Transportation Engineering Section, Civil Engineering Dept., IIT Kharagpur
- Bajpai Samir attended Indo-Norwegian Workshop on Potential for Increased Use of Mineral Wastes in Cement and Concrete on 20.12.2011 to 20.12.2011 (1-day) from National Council for Cement & Building Materials, India in Association with SINTEF, Norway.
- Bajpai Samir attended Training Programme on DPR Preparation for Rural Road Projects under ADB on 19.12.2011 to 23.12.2011 (5-day) from Indian Academy of Highway Engineers.

- Delivered expert lecture on the topic “Concrete for good construction”, for the engineers of the Public Works Department, Govt. of C.G.
- Dr. U. K. Dewangan delivered Expert Lecture on the Short term Course on Finite Element Method- Organized by the Dept. of Mechanical Engg., NIT Raipur.
- Dr. C. P. Devatha attended “Induction Training Program on Value Education for Teachers of N.I.T. Raipur” from 09/03/12 to 14/03/12 at NIT Raipur.
- Dr. C. P. Devatha attended “CEOP-AEGIS 2nd Advanced Training Session at NIT Rourkela, India” from 16/04/12 to 20/04/12.
- Dr. C. P. Devatha attended “Advanced Engineering Optimization Through Intelligent Techniques” short term training at SVNIT, Surat, India” from 14/05/12 to 18/05/12.
- Dr. C. P. Devatha attended “Waste Treatment and Cleaner Technologies” short term training at NIT Raipur from 28/05/12 to 01/06/12.
- Dr. C. P. Devatha delivered Invited Lecture on Topic “AS-Biofilm Systems- An Overview” in “Waste Treatment and Cleaner Technologies” short term training at NIT Raipur held from 28/05/12 to 01/06/12.

Research & Development

- Damage detection & Structural Health Monitoring of a Structure
- Inverse Problems of System Identification
- Computational Mechanics (used Random Noisy Data)

Publication

- Yadu L K, Tripathi R K and Singh D (2011). “Laboratory Performance Evaluation of Stabilized Black Cotton Soil with Rice Husk Ash” CSVTU Research Journal (ISSN 0974-8725) Vol-4, No.-1, pp 50-55.

- Ahmad I, Patel A, Verma M K and Tripathi R K (2011). "Fuzzy Logic Based Inflow Prediction Model For Reservoirs of Mahanadi Basin" First International Conference on Emerging Trends in Soft Computing and ICT (SCICT 2011). 16-17 March 2011 G G Vishwavidhyalaya Bilaspur (India). Pp 95-98
- Yadu L K, Singh D and Tripathi R K (2011). "Strength Characteristics of Rice Husk Ash Stabilized Black Cotton Soil" International Conference on Advances in Materials and Techniques for Infrastructure Development (AMTID 2011). 28-30 September 2011 NIT Calicut (India). Paper No T022.
- Yadu L K and Tripathi R K (2011). "Potential of Disposed Jute Bags for Sustainable Civil Construction Works in Chhattisgarh State. 25-26 January 2011, organized by S S Technical Campus Bhilai (India).
- Tripathi R K and Tripathi N (2011). "Institute Industry Interaction" National Conference on Role of Science and Technology for Sustainable Development of Chhattisgarh. 25-26 January 2011, organized by S S Technical Campus Bhilai (India). PP 25-26.
- Tripathi R K and Tripathi N (2011). "Institute Industry Interaction" National Conference on Industry Institute Interaction for Emerging Technologies. 17-18 March 2011, organized by S S I T M Bhilai (India). PP 6-9.
- Verma M K, Tripathi R K and Ahmad I (2011). "Assessment of Asian Cities on the basis of Green City Index" 27th National Convention of Civil Engineers and National Seminar on Integrated Development of Towns as Growth Centers. 15-16 October 2011, organized by Institution of Engineers (India) C G State Center Raipur. pp 23-29.
- Verma G, Tripathi R K and Verma M K (2011). "Integrated Township Planning: Need of the Hour" 27th National Convention of Civil Engineers and National Seminar on Integrated Development of Towns as Growth Centers. 15-16 October 2011, organized by Institution of Engineers (India) C G State Center Raipur. pp 79-83.

- Yadu L K, Tripathi R K and Patel A (2011). “Smart Buildings and Photovoltaic Based Cooling System” 27th National Convention of Civil Engineers and National Seminar on Integrated Development of Towns as Growth Centers. 15-16 October 2011, organized by Institution of Engineers (India) C G State Center Raipur. pp 150-153.
- U. K. Dewangan (2011) “Structural Damage Prediction with few Measurements”, International Journal Of Engineering Science and Technology,(IJEST), ISSN: 0975-5462, Vol. 3, No. 10, October 2011, Pp 7585- 7597.
- U. K. Dewangan (2011) “Development of A Structural Health Monitoring System”, International Journal of Research In I, Management and Engineering(IJRIME), Vol 1 Issue 4, ISSN -2249-1619, Pp 184- 194.
- U. K. Dewangan (2011) “Element Location In System Identification”, Indian Journal Of Applied Research, Vol 1 Issue 3, December, ISSN -2249-555x, Pp 89- 91
- System Identification With Noisy Data- U. K. Dewangan & S. V. Barai- System Identification With Noisy Data- International Journal Of Advanced Technology In Civil Engineering, ISSN: 2231 –5721, Volume-1, Issue-2, 2012
- U. K. Dewangan Et Al. / International Journal Of Engineering Science And Technology (IJEST) Structural Damage Existence Prediction With Few Measurements U. K. Dewangan,
- Published Paper entitled “Experimental Evaluation of Activated Sludge– Biofilm Reactor: Influence of Composite Media” Arun Kumar Thalla, Devatha Chella, and Michel Torrijos in Journal of Hazardous, Toxic, and Radioactive Waste, Vol. 16, No. 2, April 1, 2012. ©ASCE, ISSN 2153- 5493/2012/2-134– 141.

- Presented Paper entitled “Regional Flood Estimation by Index flood and Station Year Method” in National Conference on “HYDRO 2011” at SVNIT, Surat, India during 29/12/2011 to 30/12/2011.
- Bajpai Samir, Verma, M.K., 2011, An Evaluation of Urban Growth in Context of Census 2011”. Proceedings of 27th National Convention of Civil Engineers & National Seminar on “Integrated Development of Towns as Growth Centres”. The Institution of Engineers Chhattisgarh State Centre, Raipur under the aegis of Civil engineering Division Board of the Institution of Engineers (India) Kolkata.pp 112-114.
- Dewangan U.K., Tiwari Manoj Kumar, Bajpai Samir, 2011, Durg-Bhilai Twin City: Poulation Growth and Environmental Problems. Proceedings of 27th National Convention of Civil Engineers & National Seminar on “Integrated Development of Towns as Growth Centres”. The Institution of Engineers Chhattisgarh State Centre, Raipur under the aegis of Civil engineering Division Board of the Institution of Engineers (India) Kolkata.pp 112-114.
- Bajpai Samir, Golden Jubilee National Seminar on “Mining Technology for Sustainable Development” on 18.11.2011 to 19.11.2011 from The Indian Mining & Engineering Journal
- Dr. U. K. Dewangan and S. V. Barai (2011) “System Identification with Noisy Data”, International Conference on Advances in Civil Engineering, (ICACE-2011), 17th and 18th December 2011, Bhubneshwar (India). pp. 21 - 26

Books

- M. K. Verma, Shobha Maliwal, C. P. Devatha, “Integrated River Basin Planning of Beda River Sub Basin Using Arc-GIS”, Lambert Academic Publishing GbmBH & Co. KG, Germany. (ISBN: 978-3-8473-0434-0).

- Ashish Patel, Jyotsna Choubey, M. K. Verma, “Identification and Analysis of Suitable Drug Like Compound for NDM-1”, Lambert Academic Publishing GbmBH & Co. KG, Germany. (ISBN: 978-3-8473-0094-6).
- Ishtiyag Ahmad, Ashish Patel, M. K. Verma, “Application of Fuzzy Logic in Developing Rainfall-Runoff Model for MRP Complex”, Lambert Academic Publishing GbmBH & Co. KG, Germany. (ISBN: 978-3-8473-0541-5).
- M. K. Verma, R. K. Tripathi and Shashank Tiwari, “Evaluation of Peak Ground Acceleration at Hasdeo Bango and Dudhawa Dam Sites: Chhattisgarh State”, Global Media Publications, New Delhi.
- C. R. Sahu, M. K. Verma, R. K. Tripathi, “Deterministic Seismic Hazard Analysis of Tandula and Balar Dam Sites”, Global Media Publications, New Delhi.
- T. R. Sahu, R. K. Tripathi, M. K. Verma, “Assessment of Seismic Hazard for Ravishankar and Sikaser Dam: Chhattisgarh State”, Global Media Publications, New Delhi.
- Pramod Khare, R. K. Tripathi, M. K. Verma, “Study of Earthquake Engineering and Seismic Hazard Analysis for Kodar and Sondur Dam Sites: Chhattisgarh State”, Global Media Publications, New Delhi.

DEPARTMENT OF ELECTRICAL ENGINEERING

Dr. K.D. Permar	Professor (HOD)	B.E. M.E. & Ph.D.
Dr. A.S. Thoke	Professor (Dean R&C)	B.E, M.Tech & Ph.D.
Dr. (Mrs) S. Gupta	Associate Professor	M.Tech, Ph.D.
Dr. P.D. Dewangan	Associate Professor	B.E. & M.Tech & Ph.D.
Mrs. Varsha Singh	Assistant Professor	B.E & M.Tech.
Dr.(Mrs) Anamika Yadav	Assistant Professor	B.E., M.Tech & Ph.D.
Mr. Narendra Londhe	Assistant Professor	M.Tech & Ph.D
Mrs. Ebha Koley	Assistant Professor	B.E & M.E.

Mr. Swapnajit Pattnaik Assistant Professor M.Tech & Ph.D

Thesis (Doctoral)

- Name of the Scholar** - Mr. Narendra Londhe
Title of the Thesis - **Behavioral Study of Ultrasound Wave Propagation in Biological Tissues**
- Name of the Scholar** - Mr. Swapnajit Pattnaik
Title of the Thesis - **Development of improved performance switch mode converter for critical load application**

Thesis (M.Tech)

- Name of the Scholar** - Pritam Singh
Title of the Thesis - **Face Detection & recognition using ANN**
- Name of the Scholar** - Neelam Marskole
Title of the Thesis - **Development of computer aided diagnostic system for retrieval & classification of brain MR images using ANN**
- Name of the Scholar** - Ankita Chandrakar
Title of the Thesis - **Image information retrieval for incomplete queries using colour, texture and shape features**
- Name of the Scholar** - Miss Shailja
Title of the Thesis - **ANN based Computer Aided Diagnosis system for enhancement, Retrival, and classification of mammographic images**
- Name of the Scholar** - Miss Reshmita Sharma
Title of the Thesis - **ANN Based Open Conductor Fault Detector/ Classifier and Distance Locator for Protection of Double Circuit Transmission Lines**
- Name of the Scholar** - Ashwika Rathore

Title of the Thesis	-	Designing of Steganography Technique based on Encryption and Scattering
Name of the Scholar	-	Rashmi Tiwari
Title of the Thesis	-	Wavelet based Palm print Authentication System
Name of the Scholar	-	Vikas Dilliwar
Title of the Thesis	-	Parallel Boolean Function Minimization
Name of the Scholar	-	Rashmiprava Singh
Title of the Thesis	-	Wireless communication through Bluetooth Devices in Personal Area Network
Name of the Scholar	-	Koushlendra Sharma
Title of the Thesis	-	Performance Improvement through TCP E-Vegas Wired Network(submitted)
Name of the Scholar	-	Saroj Kr. Pandey
Title of the Thesis	-	Energy Efficient IEEE 802.11-MAC Protocol for Wireless Sensor Network (submitted)
Name of the Scholar	-	Abhinav Jain
Title of the Thesis	-	Application of ANN to six phase transmission lines protection against ground faults(submitted)
Name of the Scholar	-	Neha Bajpai
Title of the Thesis	-	Simulation of Unified Series Shunt compensator for Power Quality Improvement (submitted)
Name of the Scholar	-	Mohit Gupta
Title of the Thesis	-	A low complexity near lossless image compression for telemedicine' compression for telemedicine' (submitted)
Name of the Scholar	-	Mitul Kumar Ahirwal
Title of the Thesis	-	EEG signal estimation using ICA/PCA' (submitted)

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Pritam Singh, A.S. Thoke, Kesari Verma attended “Face Detection Cum Face Recognition. ICCESSE 2012”: International Conference on Computer, Electrical, and Systems Sciences, and Engineering, Medried, Spain (March 28-March 30), 2012.
- Shailaja Singh, Dr. Anamika Yadav and Bikesh Singh attended “Performance Analysis of Mammographic Image Enhancement Techniques for Early Detection of Breast Cancer”, paper no. 196, International Conference on Parallel, Distributed Computing technologies and Applications (PDCTA-2011), September 23~25, 2011, Tirunelveli, Tamil Nadu, India.
- Ebha Koley, Anamika Yadav, A.S. Thoke, and Tejas Kodiyar attended “Protection of six phase transmission line against phase to phase fault” paper no. 714, International conference on Advances in computer, electronics and Electrical engineering, Hotel VITS, Mumbai, 25-27 Mar’ 2012.
- Mitul Kumar Ahirwal, Narendra D. Londhe attended “Offline Study of Brain Computer Interfacing for Hand Movement Using OpenViBE,” IEEE International Conference on Process Automation, Control and Computing (IEEE-PACC2011) 20-22 July 2011 at Coimbatore
- Kaushlendra Sharma, Mrs.Varsha Singh attended “Analysis and Report on Congestion Control Behaviour of TCP Versions”, WECON-2011, CHITKARA UNIVERSITY, CHANDIGARH
- Varsha Singh,Swapnajit Pattnaik attended “A Novel Multilevel Inverter with Fuzzy Logic Controller” International Conference on Advanced energy resources ICAER_2011, 09-11 Dec 2011 , IIT Mumbai
- Mr. Arpit Jain, Mrs. Varsha Singh attended “A Survey on Topologies of Multilevel Inverters “ july 22-23 ,2011, proceeding of soft computing II, VIT university, Vellore.
- Kaushlendra shrama,Mrs.Varsha Singh, Rakesh Tripathi attended

“Comprehensive Analysis of TCP”, 4th international conference IEEE-ICCSIT CHENGDU CHINA, 2011.june 10-12

- Kaushlendra Sharma, Mrs. Varsha Singh attended “Analysis and Report on Congestion Control Behavior of TCP Versions”, WECON-2011,CHITKARA UNIVERSITY,CHANDIGARH, pp 180-182 , july 18-20 , 2011
- Varsha Singh,Swapnajit Pattnaik, Mitali Shrivastava attended “Artificial Neural Network Based Harmonic Optimization of Multilevel Inverter to Reduce THD”, Intl. Conf. on Advances in Computer, Electronics and Electrical Engineering ,Mumbai. Pp 229-233, 24-25 March 2012.
- Manish Singh Chaudhary, Mrs.Varsha Singh attended “Simulation and Study of AODV Routing Protocol under CBR and TCP Traffic 2012”, International Conference on Electronics Computer Technology (ICECT 2012)
- Neha Bajpai, S.Gupta attended “Power quality improvement in classical AC voltage controller using PWM technique” International conference of nanoscience Engg.and technology(ICNEAC-2011) 8-10 july 2011 ,Swarnandhra College if Engg.& Tech. Narsapur, A.P. India.
- Dharmendra ,S.Gupta attended optimal co-ordination of directional overcurrent relay: A genetic approach” IEEE student conference on Electrical Electronics and computer science (SCEECS IEEE 2012) MANIT Bhopal(MP) March 1-2,2012
- Dharmendra, S.Gupta attended “Use of genetic approach for optimal co-ordination of directional over current relay” IEEE student conference on Electrical Electronics and computer science (SCES IEEE 2012) MNNIT Allahabad(UP) March 16-18,2012.
- Neetu Ahirwar, Swapnajit Pattnaik attended “Advanced Images Analysis Based System for Automatic Detection and Classification of Malaria Parasite in Blood Images.” IJITKM, International Journal of Information Technology and Knowledge Management, Vol 5, no-1, 2011.

- Anamika Jain, A.S. Thoke, R. N. Patel and Reshmita Sharma attended “Open Conductor Fault Detection/classification of using artificial neural network”, Proceedings of National Conference MOSDES 2011 at Chennai 11.04.2011.
- Anamika Jain, A.S. Thoke, R.N. Patel attended “Modelling and testing of fuzzy based impedance relay using matlab/simulink”, paper no. MS 101, Proceedings of National Conference AREST 2011 at Jaipur.
- Anamika Jain, A.S. Thoke, R. N. Patel and Reshmita Sharma attended “A neural network based algorithm for detection/Classification of open conductor faults”, paper no. NFS 101, Proceedings of National Conference AREST 2011 at Jaipur.
- S.K.Pandey, S.Pattnaik attended “Delay sensitive and longevity of wireless sensor network using anycast technique”, TECHNOLOGIA ,MPC CET, Bhilai
- Kaushlendra sharma, Mrs.Varsha Singh, “Parametric Concept of TCP Clones”, NCPES-2011, KOTA RAJASTHAN.April 23-24 ,2011
- Mrs.Varsha Singh,Swapnajit Pattnaik,M itali Shrivastava attended “PWM multilevel inverter to reduce total harmonic distortion” 35th National system conference, IIT Bhvneshwar, 09-11 DEC.2011
- Mrs.Varsha Singh ,Arpit Jain attended "A survey on Topology of MLI Published in proceedings of IInd National Conference Soft Computing SOFTCOMP'11" VIT university, July 22,23 2011, VELLORE
- Madusmita Das, Varsha singh, Swapnajit Pattnaik, “Improved Dynamic Response of DSTATECOM using GA”, National Conference ETEIC-2012 proceeding, April 6-7th 2012 Anand Engg College Agra.
- Nazil Parveen ,S.Gupta, Kesari Verma, “Facial expression recognition system using facial characteristic points and ID3.NCRT CST-2012, CMR college of Engineering and Technology,Hydrabad (A.P.)” Jan 27-28, 2012.
- Dr. A. S. Thoke organized “a workshop on convergence of technology, Management & global business” by Prof. Rajagopal on 20.12.2011

- Dr. N.Londey attended short term course “Medical Signals and Image Processing” held from 13-06-2011 to 17-06-2011(One week) Continuing Education Centre, IIT Roorkee and Attended a one day workshop on ‘Convergence of Technology, Management and Global Business’, on 20th Dec 2011, held at NIT Raipur
- Varsha Singh attended “International conference, **ICAER** -2011, IIT Mumbai,09-11 DEC 2011” Induction training program on Value Education(9-13) March 2012
- Anamika Yadav, A.S. Thoke, S.Gupta, Ebha Kolay, VarshaSingh, N.D. Londhe attended “Training Programme on MiPower at N. I. T. Raipur- 28th, 29th and 30th March 2012”.

Books

- Anamika Jain, ANN Based Fault Detection, Classification and Distance Location, LAMBERT Academic Publishing (LAP) GmbH & Co. KG, 978-3-8465-4563-8, 2011.
- Shailja Singh, Anamika Yadav and Bikesh Kumar Singh, Advances in Parallel distributed computing, “First International conference on Parallel distributed Computing Technologies and applications, PDCTA 2011, Tirunelveli, Tamil Nadu, India, September 2011 Proceedings”. Springer, Performance Analysis of Mammographic Image Enhancement Techniques for Early Detection of Breast Cancer. Page 439-448.

Publication

- Ankita Chandrakar, A.S.Thoke, and Bikesh Kumar Singh, "Indexing and Retrieval of Medical Images Using CBIR Approach" in proceedings of International Conference Parallel, Distributed Computing technologies and

Applications (PDCTA-2011), published by Springer (LNCS) in Communications in Computer and Information Science (CCIS), Volume 203, Part 1, pp. 393-403, September 2011.

- Ebha Koley, Anamika Jain, A.S. Thoke, Subhojit Ghosh and Abhinav Jain, "Detection and Classification of Faults on Six Phase Transmission Line Using ANN" paper no. 334, IEEE Conference ICCCT-2011 at MNNIT, Allahabad Sep 2011, pp. 100-103.
- Dr. (Mrs.) Anamika Yadav, Bikesh Singh and Shailaja Singh, "Comparative Analysis of different Enhancement Methods on Digital Mammograms", Paper no. 316, IEEE Conference ICCCT-2011 at MNNIT, Allahabad Sep 15-17, 2011, pp. 159-163.
- S.K.Pandey,S.Pattnaik, "Analysis of Energy Efficient end-to-end dealy for wireless sensor Network",IFRSA's International Journal of computing,Vol-1,issue 3,PP-553-558,2011
- Anjali Chandra, Mohammad Imroze Khan, Samiksha Soni and Bibhudendra Acharya "Multi-resolution Discrete Cosine Transform Based Image Compression", Proceeding of International Conference on Advanced Computing, Communication and Networks [ICACCN-11], organized by Universal Association of Computer and Electronics Engineers (UACEE). Chandigarh, India, 2-3 June, 2011, pp 158-162. doi>10.1145/1947940.1948052
- Aniruddha Kanhe, Bibhudendra Acharya and R.B Deshmukh, "Design and implementation of the Low Power 0.64mW, 380 KHz Continuous Time Sigma Delta ADC" Fourth International Conference on Emerging Trends in Engineering & Technology (ICETET-11), Mauritius, 18-20 Nov. 2011, pp. 280 – 283. DOI: 10.1109/ICETET.2011.68

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Dr. Shrish Verma	Associate Professor	M.Tech., Ph.D.
Shri Sujay Chakraborty	HOD & Assistant Professor	M.Tech.
Shri Saikat Majumdar	Assistant Professor	M.Tech.
Shri. Bibhudendra Acharya	Assistant Professor	M.Tech.

Laurels & Distinctions

- Mr. Bibhudendra Acharya received following awards: Awarded with “Rajiv Gandhi Excellence Award” by India International Friendship society at New Delhi on 26th August, 2011.
- Awarded with “The Best Citizens of India Award-2011” by International publishing house, New Delhi.

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Mr. Bibhudendra Acharya attended and presented research paper in the 4th International Conference on Emerging Trends in Engineering & Technology (ICETET-11), Mauritius from 18 Nov.,2011 to 20 Nov.,2011.
- Mr. Bibhudendra Acharya attended the short term course on VLSI Design and CAD Tools conducted at Department of Electronics and Communication Engineering, National Institute of Technology, Rourkela from June 20 to June 29, 2011.
- Mr. Bibhudendra Acharya attended the Winter School on Digital Image Processing (WiSDIP – 2011) at Department of Computer Science Engineering, National Institute of Technology, Rourkela from 13 December, 2011 to 18 December, 2011.
- Mr. Bibhudendra Acharya attended the workshop on Convergence of Technology, Management and Global Business at NIT Raipur on 20 December, 2011.

- Mr. S Majumder attended on Short Term course Telecommunication networks with state-of-the-art hands-on experiments" June 20-27, 2011 at Indian Institute of Technology Kharagpur.
- S Majumder, S Verma, "Joint source-channel decoding of IRA code for hidden markov source", Proceedings of Recent Advances in Information Technology, 15-17 March, 2012, ISM Dhanbad.
- Mohammad Imroze Khan, Samiksha Soni, Bibhudendra Acharya and Anjali Chandra “Fusion of Cryptography and Steganography for Advance Data hiding” Proceeding of National Conference on “Advancement in Computational Techniques & Applications (NCACTA-2011), Shri Vaishnav Institute of Management, Indore, M.P., India. (IEEE Mumbai chapter) June 18, 2011.
- Saikat Majumder, Shrish Verma presented paper “Rate adoptive distributed source channel coding using IRA code for wireless sensor networks” presented in International conference on Information Technology & mobile communication (AIM) 2011, Nagpur.
- Pradeep Singh, K D Chaudhary and Shrish Verma. Article "Investigation Of The Interrelationships Between Different Versions Of Open Source Software Defects And Object Oriented Metrics" at ICECECE 2011 : International Conference on Electrical, Computer, Electronics and Communication Engineering at Singapore 28-30,September 2011.

Publication

- Bibhudendra Acharya, Himanshu Agrawal, Ankit Modi and Upendra Kumar Agrawal “Combined Implementation of Robust Cryptosystem for Non-invertible Matrices based on Hill Cipher and Steganography”, ACEEE Int. J. on Network Security , Vol. 02, No. 02, Apr 2011, pp. 15-17. DOI: 01.IJNS.02.02.167

- Anjali Chandra, Bibhudendra Acharya and Mohammad Imroze Khan, “Retinex Image Processing: Improving the Visual Realism of Color Images” International Journal of Information Technology & Knowledge Management (ISSN 0973-4414) Vol-IV, Issue-II of June 2011, pp. 371-377.
- Mohammad Imroze Khan, Bibhudendra Acharya, Bikesh Kumar Singh and Jigyasa Soni, “Content Based Image Retrieval Approaches for Detection of Malarial in Blood Images” in International Journal of Biometrics and Bioinformatics (IJBB), CSC Journals, Volume 5, Issue 2 of June 2011, pp. 97-110.
- Dilip Singh Sisodia and S.Verma “Application of Weblogs to Construct Smart Web servers to handle user Traffic efficiently’ International Journal of Advanced Computer Engineering and Architecture (IJACEA), Vol. 1, No. 1, June 2011 Number 7.
- Dilip Singh Sisodia and S.Verma “Intelligent Web Mining for Business Applications” International Journal of Computing (IJC), Vol. 1, Issue 3, July 2011.
- Pradeep Singh, K D Chaudhary and Shrish Verma. Article: An Investigation of the Relationships between Software Metrics and Defects. International Journal of Computer Applications 28(8):13-17, August 2011. Published by Foundation of Computer Science, New York, USA
- Anjali Chandra, Mohammad Imroze Khan, Samiksha Soni and Bibhudendra Acharya “Multi-resolution Discrete Cosine Transform Based Image Compression”, Proceeding of International Conference on Advanced Computing, Communication and Networks [ICACCN-11], organized by Universal Association of Computer and Electronics Engineers (UACEE). Chandigarh, India, 2-3 June, 2011, pp 158-162. doi>10.1145/1947940.1948052

- Aniruddha Kanhe, Bibhudendra Acharya and R.B Deshmukh, “Design and implementation of the Low Power 0.64mW, 380 KHz Continuous Time Sigma Delta ADC” Fourth International Conference on Emerging Trends in Engineering & Technology (ICETET-11), Mauritius, 18-20 Nov. 2011, pp. 280 – 283. DOI: 10.1109/ICETET.2011.68

DEPARTMENT OF HUMANITIES

Dr. Samir Bajpai	HOD & Associate Professor (Civil Engg)	B.E., M.Tech., Ph.D.
Dr Jaya Dwivedi	Assistant Professor	M.A., Ph.D.
Dr Anoop Tiwari	Assistant Professor	M.A., Ph.D.

DEPARTMENT OF INFORMATION TECHNOLOGY

Mr. Sudhakar Pandey	HOD & Assistant Professor	M.Tech.
Mr. Satya Prakash Sahu	Assistant Professor	M.Tech.
Mr. Rakesh Tripathi	Assistant Professor	M.Tech.
Mr. Sanjay Kumar	Assistant Professor	M.Tech.

Thesis (M.Tech.)

Supervised by	-	Satya Prakash Sahu
Name of the Scholar	-	Satya Verma
Title of the Thesis	-	“Secured & Authentic Communication by Combined approach of Digital Watermarking & Steganography”, awarded on June 2011.
Name of the Scholar	-	Rasmiprava Singh
Title of the Thesis	-	“Bluetooth based Wireless Personal Area Network”, awarded on June 2011.

Research & Development

- Walker system funded by DST and investigated by Dr. Shrish Verma and Rakesh Tripathi.

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Sudhakar Pandey, Attended International conference on Advance in Computing and Emerging E- learning Technologies, ICAC2ET 2012, 9-10th March 2012 hotel change village, Singapore.
- Sudhakar Pandey, Attended workshop on “Convergence of Technology Management and Global Business” on 22-December 2011, organized in NIT Raipur
- Satya Prakash Sahu, attended Short term course on “Telecommunication Networks with State-of-the-Arts Hands-on- Experiments”, during 20th June 2011 to 27th June 2011 organized at IIT Kharagpur.
- Satya Prakash Sahu, attended Workshop on “Software Engineering Applications for Computer Networks (SEA-CN’11)”, 8th to 10th December 2011, organized by NIT Rourkela (Odisha).
- Satya Prakash Sahu, attended Workshop on “Convergence of Technology, Management at Global Business”, 20th December 2011, organized by NIT Raipur (CG).
- Satya Prakash Sahu, attended One week Short Term Course on “Advanced Engineering Optimization Through Intelligent Techniques”, during June 20-27, 2011 organized by NIT Surat (Gujrat) .
- Rakesh Tripathi, Attended International Conference WASET, Zurich, Switzerland, 15-17 Jan.2012.
- Sanjay Kumar, Attended Short term course on “Telecommunication Networks with State-of-the-Arts Hands-on- Experiments”, during 20th June 2011 to 27th June 2011 organized at IIT Kharagpur.

- Sanjay Kumar, Attended Winter School on “Digital Image Processing” between 12- December to 17- December 2011 at NIT Rourkela .
- Sanjay Kumar, Attended Workshop on “Convergence of Technology Management And Global Business” on 20- December 2011. at NIT Raipur
- Sanjay Kumar, Attended International Conferences on “Recent Advances in Information Technology” at ISM Dhanbad from 15- 17- March 2012.
- Sudhakar Pandey, Dr. Neetu Agrawal, “A conglomerate approach design an efficient routing algorithms for MANET”, International Conference on Advance in Computing and Emerging E- learning Technologies, 2012, 9-10th March 2012 Singapore.
- Sudhakar Pandey, “E-learning & language in NIT Raipur and RIT Raipur C.G. India ”, Dr Anoop Kumar Tiwari , Sudhakar Pandey, International Conference on Education & Management Innovation , Singapore 26-28, feb 2012.
- Rakesh Tripathi ,N. Marchang,Swetha Sirothia,”Convex Hull Based Localization Mechanism” WASET , Zurich ,Switzerland 15-17 Jan 2012.

Publication

- Sudhakar Pandey, SK Dwivedi , NK Shukla , “Hybrid network model for post Disaster Relief operation” , IJSCE, vol.1, issue-6 Jan 12 , Page :424 – 420.
- Sudhakar Pandey ,Dr N.K. Shukla ,S.K. Dwivedi, “Directional Antenna Based SASAA –MAC Protocol for MANET ” , IJACSIT vol.1, No.1 , Sept.11,page57-67.

DEPARTMENT OF MATHEMATICS

Dr. R.P. Pathak	HOD & Associate Professor	M.Sc, Ph.D.
Dr. Arvind Kumar Sinha	Assistant Professor	M.Sc, M.Phil, Ph.D
Dr. Gorakh Nath	Assistant Professor	M.Sc, Ph.D

Laurels & Distinctions

- Dr. Gorakh Nath : Summer research fellowship by Indian Academy of Sciences, Bangalore at IISc , Bangalore (India).

DEPARTMENT OF M. C. A.

Mr. Harendra Bikrol	HOD & Associate Professor	B.E., M.Tech
Mr. Mithilesh Atulkar	Associate Professor	B.E., M.Tech
Mrs. Manju Pandey	Assistant Professor	M.C.A
Dr.(Mrs.) Priyanka Tripathi	Assistant Professor	M.C.A., Ph.D.
Dr. (Mrs.) Kesari Verma	Assistant Professor	M.C.A., Ph.D.

Seminar /Workshops / Conferences / Short term Courses / Organized / Attended:

- Mr. Mithilesh Atulkar, Mr. Harendra Bikrol, Dr. (Mrs.) Priyanka Tripathi, Dr. (Mrs.) Kesari Verma & Mrs. Manju Pandey, Convergence of Technology, Management and Global Business on 20/12/2011.
- Research paper presentation titled Evaluation of Indian Academic website using LSP method in Las Vegas on 18th to 21st July 2011 by Dr. (Mrs.) Priyanka Tripathi and Mrs. Manju Pandey.

Publication

- Manju Pandey, Nilay Khare, S.C. Shrivastava, "New Aggregation Operator for Triangular Fuzzy Numbers based on the Arithmetic Means of the L- and R- Apex Angles", International Journal of Computer Science Engineering and Technology, Vol. 2, Issue 3, March 2012, Pages 990-992
- Manju Pandey, Nilay Khare, S.C. Shrivastava, "New Aggregation Operator for Triangular Fuzzy Numbers based on the Arithmetic Means of the Slopes of the

- L- and R- Membership Functions", International Journal of Computer Science and Information Technologies, Vol. 3 (2), March-April 2012, Pages 3775-3777
- Manju Pandey, Nilay Khare, S.C. Shrivastava, "New Aggregation Operator for Trapezoidal Fuzzy Numbers based on the Arithmetic Means of the Left and Right Apex Angles", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 2, Issue 3, March 2012, Pages 430-433
 - Priyanka Tripathi, Manju Pandey & Divya Bharti, "Cognitive Approach Towards the Maintenance of Web-sites Through Quality Evaluation in Operative Phase", International Journal of Human Computer Interaction (IJHCI), Vol. 2, Issue 2, July/August 2011

Any other activities

- This year also NIT Raipur acted as one of the participating institute and NIMCET examination test centre of NIMCET – 11 conducted by Maulana Azad National Institute of Technology Bhopal.

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. A.M. Rawani	Professor	M.Tech. Ph.D.
Dr. S.Sanyal	HOD & Associate Professor	B.E., M.E., Ph.D.
Dr. Shobha Lata Sinha	Associate Professor	M.E, Ph.D.
Shri Rahul Salhotra	Associate Professor	M.Tech
Dr. S.D.Patle	Associate Professor	M.Tech, Ph.D.
Dr. Anil Kr.Tiwari	Associate Professor	M.Tech, Ph.D.
Dr. S. P. S. Matharu	Associate Professor	B.Tech, M.Tech, Ph.D.
Shri G.K. Sahu	Assistant Professor	M.Tech.
Shri. Ravindra Kumar Yadav	Associate Professor	M.Tech.
Shri. Suraj Kumar Mukti	Assistant Professor	M.E.

Shri. Vivek Kumar Gaba	Assistant Professor	M.E.
Dr. Subhankar Bhowmick	Assistant Professor	M.E.,Ph.D.

Thesis (M.Tech.)

Supervised by	-	Prof. R. Salhotra
Name of the Scholar	-	Mr. Madhulesh Yadav
Title of the Thesis	-	Comparative Study of Modified Disc Type Solar Cooker.
Name of the Scholar	-	Mr. Vinod Kr. Singh
Title of the Thesis	-	Energy Exergy Analysis of a Steam Power Plant
Supervised by	-	Dr. Shubhankar Bhowmick
Name of the Scholar	-	Purna Nashine
Title of the Thesis	-	“Combustion Modeling of Diesel Engine using bio diesel as a secondary fuel”

Research & Development

- Dr. S. P. S. Matharu, Design, development & fabrication of a test rig for performance evaluation of Rolling Element Bearings (AICTE Project under Research Promotion Scheme) .

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Mr. Ravindra Kumar Yadav, “Performance of Diesel Engine Using Blends of Conventional Diesel, Bio-diesel & Alcohol As Fuel” in International Conference ICAER 2011, IIT Bombay, Mumbai held on Dec 9-11, 2011.
- Dr. A. M. Rawani, Arranged one day workshop on “convergence of Technology, Management & Global business” on December – 2011
- Dr. S. Sanyal, Delivered Expert lecture on Structural Synthesis of Mechanism at AICON 12, CSIT Durg.

- Dr. S. Sanyal, Attended One day National Workshop at New Delhi on " Drafting of Commercial Agreements" 30.03.12, organised by ASSOCHAM.
- Dr. Anil Kumar Tiwari, The present a technical paper in International Conference on Mechanical and Robotics Engineering (ICMRE 2012) at Phuket 83000, Thailand from 26th May to 27th May 2012 has received "BEST PAPER" award from conference authorities the paper has been titled "Conceptual Analysis of Desalination working on Humidify and Dehumidify techniques using Solar Air Heater".
- Dr. S. Sanyal, "Structural Identification of Distinct Inversions of Planar Kinematic Chains", 17 - 19 May 2011, International Conference on Mechanical, Automotive and Aerospace Engineering, ICMAAE'11, Kuala Lumpur, Malaysia.

Publication

- " 3D Analysis of Stress Concentration Factor and Deflection in Thin Isotropic and Orthotropic Plates with Central Circular Hole subjected to Transverse Loading", N. K. Jain and S. Sanyal, International Journal of Mechanical Engineering Research and Development (IJMERD), ISSN 2248 – 9347(Print), ISSN 2228 – 9355(Online), Volume 1, Number 2, May- October (2011).
- "Interaction Effect of Auxiliary Holes for Mitigation of Stress Concentration in Isotropic Plate with Central Circular Hole Subjected to In-Plane Loading", Shubhrata Nagpal, S. Sanyal and N.K. Jain, International Journal of Mechanics and Solids, ISSN 0973-1881 Vol. 6, Number 2 (2011), pp. 149-156.
- "Structural Identification of Distinct Inversions of Planar Kinematic Chain", Sanyal Shubhashis, IIUM Engineering Journal, Special Issue, Mechanical Engineering, 2011, pp 87 – 94.

- “Comparative Study of Stress Concentration and it’s Mitigation Techniques in Flat Plate with Singularities”- A Critical Review, Shubhrata Nagpal¹, Dr. Nitin Jain² and Dr. S. Sanyal³, ENGINEERING JOURNAL, 2011.

DEPARTMENT OF METALLURGICAL ENGINEERING

Prof. P. Y. Dekhne	HOD & Associate Professor	B.E. M.Tech
Prof. A. P. Rajimwale	Associate Professor	B.E. M.Tech
Dr. Manoj K Chopkar	Assistant Professor	B.E., M.Tech. Ph.D
Prof. Manwendra Tripathi	Assistant Professor	B.E. M.Tech
Prof. Manoranjan K. Manoj	Assistant Professor	B.E. M.Tech

Laurels & Distinctions

- Dr. Manoj Chopkar Selected as Member of Editorial Board of ISST Journal of Mechanical Engineering (IJME)

DEPARTMENT OF MINING ENGINEERING

Shri P.Y Dhekne	HOD & Associate Professor	B.E, M.Tech
Dr.Manoj Pradhan	Associate Professor	B.E, M.Tech, Ph.D
Shri B.R Parate	Associate Professor	B.E, M.Tech
Shri M.D Patel	Associate Professor	B.E, M.Tech
Shri P.K Dewangan	Associate Professor	B.E, M.Tech
Dr. Nawal Kishore	Assistant Professor	B.E, M.Tech, Ph.D.
Dr. Ravi Krishnarao Jade	Assistant Professor	B.E, M.Tech, Ph.D.

Laurels & Distinctions

- Dr. M. Pradhan, Nominated by Ministry of Environment and Forest, Govt. Of India as member of State Expert Appraisal Committee for Environment Clearance.

- Dr. N. Kishore, Nominated as external reviewer by Deptt. of Mining Engg. I.T.,BHU,Varanasi for the project entitled “Development of E-Content on Slope Engineering” sponsored by MHRD,New Delhi.
- Dr. R. K. Jade, Chaired and Co-chaired the Technical Session in the National Golden Jubilee Seminar, Minetech-2011, held at Raipur on 18-19 Nov.2011.

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Dr. M. Pradhan & Prof. P. Y. Dhekne organised National Seminar on Mining Technology for Sustainable Development, MineTech 2011 , Nov.18-19,2011 at Raipur
- Dr. M. Pradhan & Prof. P. Y. Dhekne attended the International Symp. On Mine Planning and Equipment Selection at Almaty and present the technical paper.(Oct.12-14,2011)
- Prof. P. Dewangan, Dr. N. Kishore & Dr. R. K. Jade, Members of organizing committee of the National Golden Jubilee Seminar on Mining Technology for Sustainable Development held at Raipur on 18-19 Nov.2011 (IE&MJ-Minetech-2011)
- Prof. P. Dewangan, Dr. R. K. Jade & Dr. N. Kishore has attended a one-day Workshop on Convergence of Technology, Management and Global Business on Dec.20,2011 at NIT,Raipur.
- Dr. N. Kishore has participated in the Short Term Course on “Rock Mechanics for Practicing Engineers” conducted by IIT,Kharagpur as Continuing Education Programme from Jan.11-15,2012.
- Dr. N. Kishore Has participated in the Induction Training Program on ‘Value Education’ at NIT, Raipur from 9thMarch to 14thMarch2012.
- Dr. M. Pradhan & Prof. P. Y. Dhekne Republic of Kazakhstan for attending the International Symp. On Mine Planning and Equipment Selection at Almaty and present the technical paper.(Oct.12-14,2011)

- Dr. Jade R.K. & Dr. Pradhan M (2011), “Coal to Liquid Fuel Technology- Present and Future” International Conf. on Technological Challenges and Management Issues for Sustainable Development of Mining Industries, Aug 4-6, NIT, Rourkela.
- Vansutr S, Pradhan M & Singh A (2011), “Gemstone Mineralisation in Bastar Chhattisgarh and its Possible Role in Human Resource Development” National Seminar on Mining Technology for Sustainable Development, Nov 18-19, Raipur
- Headu Smiriti, Singh V.K. & Pradhan M (2011), “Effect of Accelerator on the Rate of Chemical Gassing of Bulk Emulsion Explosives” National Seminar on Mining Technology for Sustainable Development, Nov 18-19, Raipur
- Singh V. K.& Pradhan M.(2011), “Environment Clearance Process for Mining Projects”, National Seminar on Mining Technology for Sustainable Development, Nov 18-19, Raipur
- Dhekne, P.Y. & Panigrahi, D.C.(2011), “Effect of the Condenser Design on the Performance of an Air Cooling Machine” Int.Symp. of Mine Planning and Equipment Selection, Oct.12-14,2011, Almaty, Kazakhstan.

Publication

- Patel, M.D. , Parate, B.R.(2012), “Acid Mine Drainage-Its Occurrence and Control Aspects: An Overview” The Indian Mining & Engineering Journal, Vol. 51, No 02,
- Dewangan P, Pradhan M & Kishore N. (2012) “Use of Coal Combustion Residue in Mining Industry for Sustainable Development of Mining and Power Sector Together” The Indian Mining and Engineering Journal, Vol 50, No 02, pp24-31 (ISSN00195944)

- Jade, R. K., Pradhan, M.(2011), “Technological Issues in Implementation of High Wall Mining in India”, The Indian Mining & Engineering Journal, Vol. 50, No 04, pp 8-12.
- Pradhan M (2011), “Effect of Charge Diameter on the VOD of Bulk Emulsion Explosive” International Symp. On Mine Planning and Equipment Selection, Oct 12-14, Almaty, Republic of Kazakasthan
- N.Kishore, P.Dewngan & P.Y.Dhekne(2012), “Method of Drawing Balancing Diagram”, The Indian Mining & Engineering Journal,India,Vol.51,No.03,P.18-21.
- Dr. M. Pradhan, Biographical data included in “Morquis Who’s Who in the World 2012”, USA, Edition 29.

Any other activities

- Dr. M. Pradhan, Principal Consulting editor of Indian Mining & Engineering Journal.
- Dr. M. Pradhan, Research papers reviewed “Assessment of Blastability Index (BI) for Rock Engineering Application by Fuzzy Sets” Reviewed for Scientia an Elsevier.
- Dr. M. Pradhan, Ministry of Environment and Forest, Govt.of India as Member of State Expert Appraisal Committee (SEAC) for Environment Clearance.
- Prof. P. Y. Dhekne, Co-chairman of the Session on Explosive and Blasting session MineTech-2011 held at Raipur on Nov.18-19, 2011.

DEPARTMENT OF PHYSICS

Dr. (Mrs.) Sadhana Agrawal	HOD & Associate Professor	M.Sc., M. Phil., Ph.D.
Dr. A.K. Srivastav	Associate Professor	M.Sc., Ph.D.
Dr. Bijay Kumar Sahoo	Assistant Professor	M.Sc. Ph.D.
Dr. Ayush Khare	Assistant Professor	M.Sc. Ph.D.

Seminar/ Workshops / Conferences / Short term Courses / Organized / Attended:

- Dr. Ayush Khare, Attended QIP Short Term Course on Emerging Trends in Carbon Nanotubes organized by Department of Mechanical Engg. and Material Science, IIT Kanpur during November 7-11, 2011.
- Visited Selangor, Malaysia in July 2011 to present research paper entitled “Optical and Structural Properties of Nanocrystalline CdS Thin Films Grown by Chemical Bath Deposition” in International Conference and Workshop for Nano Materials Synthesis and Characterization (INSC-2011) organized by The X-ray Application society of Malaysia.
- Three faculty members visited abroad to present the research paper (Dr. B.K. Sahoo, Dr. S.M. Saini & Dr. Ayush Khare)

Publication

- Ayush Khare, D. S. Kshatri and R. B. Sahu, “Structural and Optical Properties of Chemically Deposited Nanocrystalline CdS Films”, Journal of Ovonic Research 7 (2) (2011) 36-43.
- Ayush Khare and R. B. Sahu, “Optical and Structural Properties of Nanocrystalline CdS Thin Films Grown by Chemical Bath Deposition”, Advanced Materials Research 364 (2012) 65-69.
- Ayush Khare, D.S. Kshatri and S.K. Sharma, “Characterization and Optical Properties of Eu and Dy Doped SrAl₂O₄ Phosphors”, Journal of International Academy of Physical Sciences, 15 (2012) 1-6.
- Ayush Khare, R. B. Sahu and Suchinder K. Sharma, “Effects of NaF on Optical and Structural Properties of Cd_xZn_{1-x}S Nano Crystalline Films”, Optik-International Journal of Light and Electron Optics 123 (2012) 1133-37.

- Ayush Khare, “Factors Affecting the Electro - optical and Structural Characteristics of Nanocrystalline $Zn_{1-x}Cd_xS$ Films”, Journal of Physics and Chemistry of Solids, 73 (7) (2012) 839-845.
- Ayush Khare and R. B. Sahu, In proceedings of International Conference for Nano Materials Synthesis and Characterization (INSC-2011) organized by The X-ray Application Society of Malaysia, July 4-5, 2011 p.68.
- National Conference on Recent Trends in Physics of Solids organized by Department of Physics, Govt. VYTPG Autonomous College, Durg during October 11-12, 2011 p.57.
- D. S. Kshatri and Ayush Khare, In proceedings of International Conference on Nanomaterials and Technology (ICNANO-2011) organized by Delhi University, Delhi during December 18-21, 2011 p.117.
- Project submitted/ under consideration: (i) Research project entitled “An investigation on optical and structural characteristics of nanocrystalline (Zn-Cd)S thin films using polymers” is under consideration with DST, New Delhi. (ii) Research project entitled “An investigation on the Optical and Structural Characteristics of Some Ferroelectric Materials” is under consideration with CCOST, Raipur.

Any other activities

- Dr. Ayush Khare, One article entitled “Takneeki Shiksha Evam Neitik Moolya” was published in SHIKSHAYAN, the annual Hindi magazine of Rajbhasha Unit of MHRD, New Delhi.

6 CENTRAL FACILITIES

6.1 LABORATORIES

Departments wise details of Laboratories

Name of Department	Name of Laboratories and other facilities available
Applied Geology	Optical Lab, Geological Museum, Remote Sensing & GIS Lab, ROCK/ORE Cutting Polishing Lab, Field Geology Lab, Hydrogeology Lab
Architecture	Climatology, Model Making Workshop, Building Material Museum, Computer, Architecture
Biomedical Engineering / Biotech	Computer Lab, Anatomy & Physiology Lab, Bio Chemistry Lab
Chemical Engineering	Waste water treatment, Mass Transfer, Heat Transfer, Fluid Mechanics, Reaction Engineering, Chemical Technology, Fuel Technology Laboratory, Computer Centre, Environmental Lab, Instrumentation & Process Control, Simulation & Modeling
Chemistry	UG Lab, PG Lab, Research Lab
Civil Engineering	Computer Centre, Concrete Technology, Environmental Engineering, Geotech Engineering, Hydraulics, Structural Engineering, Survey Laboratory, Transportation Engineering, Water Resources Engineering
Computer Science and Engineering	Advanced Software Engg. Lab, Computer Programming Lab, Advanced Computer Network, Linux Unix Lab
Electrical Engineering	High Voltage, Research Lab, Workshop, Instrumentation, Electronics Lab, M.Tech Lab Electronics Devices and Electronic Workshop,

Electronics & Telecommunication Engineering	Instrumentation, Microwave and Optical Communication, Computer Programming, Digital Signal Processing, Microprocessor, Electronic and Tele Communication, Digital Electronics, Analog Electronics
Information Technology	Computer Networking, Data Base Management, Electronic and Tele Communication, Operating System (Unix/Linux), Graphics, Image &Multimedia
Mechanical Engineering	Strength of Material, Automobile Engineering, Heat and Mass Transfer, Energy Conversion, Thermodynamics, Refrigeration, Dynamics, CAD&CAM, Meteorology and Instrumentation, Turbo-machinery, I C Engines, Engineering Mechanics, Workshop, PG Computer Lab
Metallurgical Engineering	Foundry Laboratory, Heat Transfer and Furnace Lab, Project Lab, Materials Science Lab, Instrumentation Lab, X-Ray diffraction Lab, Electro Metallurgy Lab, Physical Met & Metallography, Fuel Technology Lab
Mining Engineering	Mine Environment Lab, Rock Mech. Lab, General Mining Lab, Computer Lab, Mine Survey Lab, Mineral Dressing Lab
Physics	General Lab, Laser and Fiber Optics Lab, Research Lab

6.2 LIBRARY

The college library constitutes a huge central library, which supports the teaching, research and continuing education programs of the institute. All the students, faculty members, and employees of the institute are entitled to make use of the library facilities. The library is situated on the 2nd floor of the building and covers a total carpet area of 1640 square meter. It has more than One Lakh books available for students of various disciplines. It also has a rich reference section.

There is a separate reading section subscribing several newspapers and magazines. There is a separate departmental library in Architectural Department as well with number of books and journals.

6.3 DISPENSARY

The Institute has a dispensary with following staff:

Dr. Sanjeev Pandey Medical Officer M.B.B.S.

All the staff & Students of the Institute avail the medical facilities from the dispensary. Also the Dispensary has an ambulance for carrying the patients for emergency treatment.

6.4 GAMES & SPORTS

1. ALL INDIA INTER NITS TOURNAMENT, AT VNIT NAGPUR

Our Institute participated in all India inter NITs Tour. VNIT Nagpur from 20th to 22th January 2012 of all 06 games there is Football, Cricket, Volleyball, Basketball, Chess & Table Tennis, 65 Students are participate this tournament.

We are Secured Runner up in Basketball & Volleyball & individual performance in table Tennis Mr. Chirag Munat 6th Semester Mining is secured 1st position in tournament.

Mr. Prateek Boyga in Volleyball & Mr. Chetan Roy Chowdhary Awarded Best players of the tournament.

2. ALL INDIA INTER NIT'S HANDBALL AND SWIMMING TOUR.

All India inter NITs, Handball & swimming tournament organised by Sardar Vallabh Bhai Patet NIT Surat from 17th to 19th February 2012.

Our Handball (Boy's) team Runner up in this tournament.

3. ALL INDIA INTER NIT'S KWO-KHO, BADMINTON, TABLE TENNIS

Above tournament organised by Mahatma Gandhi NIT Allahabad From 17th to 19th February 2012 our Kho-Kho Boy's, Badminton (Girls & Boy's) & Table Tennis (Girls & Boy's) teams are participate in this tournament.

Kho-Kho (Boy's) team & Table Teniss (Boy's) team are secured 3rd position in this tournament & Mrs. V. Nitisha is secured 3rd position in individual event of Badminton.

4. INTER BRANCHES TOURNAMENTS

We are organise institute level inter Branches tournament of Table Tennis, Badminton, Chess & Kho-Kho tournament from 26-08-2011 to every Holidays.

In this tournament we are select the players for NIT team.

5. ANNUAL SPORTS FEST "SAMAR"-12

Department of Physical Education & Sports organised with students sports committee last 3-4 year back Annual sports fest SAMAR-12. Successful sports festival in this session we are arrange from 10-13 February 2012 this festival.

Fist time we are organise in Flood Light Seven Athletics' Events.

6.5 HOSTELS & STAFF QUARTERS

The institute has 5 No's of boys Hostels (A, B, C, D & F). Each hostel has a capacity of 100 students. There are facilities for residing UG as well as PG students, There are three girl's hostels (E, G and PG Girl's hostel), Hostel E has a Capacity of 100 students, hostel G & PG Girl's Hostel has a capacity of 20 students each. Each hostel is well equipped, with Sports facility like carom, chess, volleyball, football, cricket & table-tennis. There is sufficient infrastructure like iron cots, chairs, tables for the students. In hostel campus there is also a gymnasium for work out by students. Maintenance of hostel is done by the Estate Office.

There are sufficient numbers of quarters for the staff members.

**OFFICE OF THE DIRECTOR GENERAL OF AUDIT
(CENTRAL RECEIPT), NEW DELHI,
BRANCH AT AUDIT BHAVAN, JHANSI ROAD
GWALIOR-474002 (M.P.)**

No. AMG-II/SAR/NIT/2011-12/19/

Dated: 26.03.2013

To,

The Director,
National Institute of Technology,
GE Road, Raipur-492010
(Chhattisgarh)

Sub: - Separate Audit Report on the accounts of the National Institute of Technology, Raipur for the year 2011-12.

Sir,

Please find enclosed herewith a copy of the Separate Audit Report (SAR) on the accounts of National Institute of Technology, Raipur for the year 2011-12. You are requested to ensure that the SAR and the audited accounts are adopted by the Board of Governors before placing the same before the Parliament.

The dates of placement of the above Report on the table of both houses of Parliament may please be intimated and a copy of the printed material may be provided to the undersigned for information.

It may be ensured that the previous SAR is presented in the Parliament simultaneously along with the current SAR.

It may please be noted that the Management letter is not to be placed before Parliament.

Kindly acknowledge receipt.

Encl: 1. Separate Audit Report
2. Management letter

Yours faithfully,


Director (Central)

Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of National Institute of Technology, Raipur for the year ended 31 March 2012

We have audited the attached Balance sheet of National Institute of Technology, Raipur (NIT) Raipur as at 31st March 2012, Income & Expenditure Account and the Receipts & Payments Account for the year ended on that date under section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with section 22(2) of the National Institutes of Technology Act, 2007. These financial statements are the responsibility of NIT's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

- (i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- (ii) The Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the format approved by the Government of India, Ministry of Finance.

(iii) In our opinion, proper books of accounts and other relevant records have been maintained by the NIT as required under Section 22(1) of the Act, in so far as it appears from our examination of such books.

(iv) We further report that:

A. Balance Sheet

Assets

1. Fixed Assets (Schedule-5) - ₹ 64.41 crore

1.1 This does not include ₹ 8,86,279/- being value of books purchased and taken to stock during 2011-12. This resulted in understatement of Fixed Assets by ₹ 8.52 lakh (₹ 8.86- ₹ 0.34 depreciation) and understatement of Current Liabilities by ₹ 8.86 lakh as payments to the firms were not made till the year end, and understatement of expenditure by ₹ 0.34 lakh due to depreciation not charged.

2. Current Assets, Loans and Advances etc. (Schedule -7) – ₹ 9.67 crore

2.1 This does not include ₹ 44.33 lakh lying in inoperative bank accounts with State Bank of India, GCET branch. This resulted in understatement of Current Assets by ₹ 44.43 lakh.

Effect of Audit comments

The net effect of the audit comments was that the Liabilities, Assets & Expenditure were understated by ₹ 8.86 lakh, ₹ 52.95 lakh and ₹ 0.34 lakh respectively.

B. Grant-in-Aid

During the year, the NIT received grant-in-aid of ₹ 34 crore. In addition, it had unspent balance of ₹ 20.23 crore of the previous year and internal revenue of ₹ 18.54 crore. Thus out of total available grants of ₹ 72.77 crore, the NIT utilized ₹ 46.24 crore leaving unutilized balance of ₹ 26.53 crore.

(v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income & Expenditure Accounts dealt with by this report are in agreement with the books of accounts.

(vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts subject to the significant matters stated above and other matters mentioned in the Annexure give a true and fair view in conformity with the accounting principles generally accepted in India:

(a) In so far as it relates to the Balance Sheet, of the state of affairs of the NIT, Raipur as at 31st March 2012; and

(b) In so far as it relates to the Income & Expenditure Account of the surplus for year ended on that date.

Place: New Delhi

Date: 26.03.2013

For and on behalf of the C&AG of India



Director General of Audit

Annexure

1. Adequacy of Internal Control System.

The internal control system may be improved in following areas:

- (i) The Institute has not prepared its own Accounting Manual.
- (ii) Vouchers were not serially numbered.
- (iii) Surprise check of cash was not being carried out periodically.
- (iv) Bank reconciliation statements were not being prepared regularly.

2. Adequacy of Internal Audit System.

The internal audit system was found to be inadequate as the internal audit wing had not submitted any report to the management.

3. System of physical verification of Assets

Physical verification of assets has not been conducted during the year.

4. System of physical verification of inventories.

Physical verification of inventories has not been conducted during the year.

5. Payment of statutory dues

No irregularity was noticed in the payment of statutory dues.


Audit officer (AMG-II)

FINANCIAL STATEMENT AS ON 31ST MARCH ,2012

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

BALANCE SHEET AS ON 31.03.2012

SOURCES OF FUNDS	Schedule	As on 31.03.2012	As on 31.03.2011
<u>CORPUS/CAPITAL FUND AND LIABILITY</u>			
CAPITAL/CORPUS FUND	1	22,50,00,000.00	15,00,00,000.00
RESERVE AND SURPLUS	2	8,41,88,709.97	7,36,20,164.06
PROVIDENT/EARMARKED/ENDOWMENT FUND	3	80,69,59,368.00	59,60,09,402.00
SECURED LOANS AND BORROWINGS		0.00	0.00
UNSECURED LOANS AND BORROWINGS		0.00	0.00
DEFERRED CREDIT LIABILITIES		0.00	0.00
CURRENT LIABILITIES AND PROVISION	4	7,08,60,836.89	6,98,34,521.89
TOTAL		1,18,70,08,914.86	88,94,64,087.95
<u>APPLICATION OF FUNDS</u>			
FIXED ASSETS	5	64,40,65,736.13	41,93,64,884.13
INVESTMENT- FROM EARMARKED/ENDOWMENT FUND	6	22,13,15,202.00	17,41,64,819.00
INVESTMENT(OTHERS)	6	22,50,00,000.00	15,00,00,000.00
CURRENT ASSETS,LOANS ADVANCES ETC	7	9,66,27,976.73	14,59,34,384.82
MISC EXPENDITURE (To the extent not written off)		0.00	0.00
TOTAL		1,18,70,08,914.86	88,94,64,087.95

CONTINGENT LIABILITIES AND
NOTES TO ACCOUNTS

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED 31st MARCH,2012

Particulars	Schedule	For the period ended on 31st March,2012	For the period ended on 31st March,2011
INCOME			
INCOME FROM SALE AND SERVICES	8	1,66,13,615.00	93,73,706.00
GRANTS/SUBSIDIES		12,00,00,000.00	5,00,00,000.00
FEES/SUBSCRIPTION	9	12,44,44,260.00	9,77,75,280.00
INCOME FROM INVESTMENTS		0.00	0.00
INCOME FROM ROYALTY PUBLICATIONS		0.00	0.00
INTEREST EARNED	10	3,36,94,940.00	2,24,20,774.00
OTHER FEES	11	46,78,883.00	62,36,702.00
OTHER INCOME	12	1,89,94,411.91	4,89,79,354.06
HOSTEL FEES	13	48,51,000.00	43,29,000.00
INCREASE/DECREASE IN STOCK OF FINISHED GOODS AND WORK IN PROGRESS		0.00	0.00
TOTAL(A)		32,32,77,109.91	23,91,14,816.06
EXPENDITURE			
ESTABLISHMENT EXPENSES	14	17,34,93,550.00	16,00,84,293.00
EXAM/SCHOLORSHIP EXPENSES	15	57,86,920.00	13,16,511.00
OTHER ADMINISTRATIVE EXPENSES	16	3,37,69,342.00	2,24,72,961.00
EXPENDITURE ON GRANT/SUBSIDIES ETC		0.00	0.00
DEPARTMENTAL OPERATING EXPENSES	17	26,41,434.00	21,85,611.00
HOSTEL EXPENSES	18	8,73,214.00	8,08,092.00
ESTATE OFFICE EXPENSES	19	32,56,477.00	21,83,214.00
DEPRICIATION	5	1,78,87,627.00	4,60,19,618.00
TOTAL(B)		23,77,08,564.00	23,50,70,300.00
BALANCE BEING EXCESS OF INCOME OVER EXPENDITURE(A-B)		8,55,68,545.91	40,44,516.06
TRANSFER TO SPECIAL RESERVE		-	-
TRANSFER TO GENERAL RESERVE		8,55,68,545.91	40,44,516.06
BALANCE BEING SURPLUS/DEFICIT CARRIED TO CORPUS/CAPITAL FUND		0.00	0.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

SCHEDULE- 1

CORPUS/CAPITAL FUND

PARTICULAR		As on	
		31.03.2012	As on 31.03.2011
		AMOUNT(IN RS)	AMOUNT(IN RS)
Balance at the beginning of the year	15,00,00,000.00		0.00
Add Contribution towards Corpus/Capital Fund	75000000.00		15,00,00,000.00
Less: Trf to Reserve and surplus	<u>0.00</u>	22,50,00,000.00	<u>0.00</u>
			15,00,00,000.00
Add/deduct Balance of Net Income transferred from Income & Expenditure Account		0.00	0.00
CLOSING BALANCE		22,50,00,000.00	15,00,00,000.00

SCHEDULE- 2

RESERVE AND SURPLUS

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
1. Capital Reserve		0.00		0.00
2. General Reserve				
As per last Accounts	7,36,20,164.06		21,95,75,648.00	
Addition during the year	8,55,68,545.91		40,44,516.06	
Trf to Corpus Fund	<u>75000000.00</u>	8,41,88,709.97	<u>15,00,00,000.00</u>	7,36,20,164.06
TOTAL		8,41,88,709.97		7,36,20,164.06

SCHEDULE- 3

PROVIDENT/EARMARKED/ENDOWMENT FUND

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
(i) Opening Balance of Provident Funds	4,79,54,020.00		0.00	
Addition to funds	<u>88,37,593.00</u>	5,67,91,613.00	<u>4,79,54,020.00</u>	4,79,54,020.00
(ii) Opening Balance of Plan Funds	0.00		5,59,71,046.87	
Add:Grant received/receivable	18,00,00,000.00		0.00	
Less:Utilisation of grant towards Objective of Funds	<u>18,00,00,000.00</u>	0.00	<u>5,59,71,046.87</u>	0.00
(iii) Opening Balance of Plan (OSC)Funds	12,86,90,057.87		7,38,07,685.00	
Add:Grant received/Receivable	4,00,00,000.00		15,00,00,000.00	
Less:Utilisation of grant towards Objective of Funds	<u>6,25,88,039.00</u>	10,61,02,018.87	<u>9,51,17,627.13</u>	12,86,90,057.87
Deffered Government Grant		64,40,65,736.13		41,93,65,324.13
CLOSING BALANCE		80,69,59,368.00		59,60,09,402.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

SCHEDULE- 4

CURRENT LIABILITIES AND PROVISION

A CURRENT LIABILITIES		As on 31.03.2012		As on 31.03.2011
PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
Funds				
Fund from erstwhile govt. college	13,95,049.89		13,95,049.89	
Poor student fund	9,50,195.00		9,50,195.00	
Amalgamated fund	36,750.00		36,750.00	
Aluminai Fund	2,65,000.00		0.00	
Project Fund(Unutilised)	17,06,445.00		3,83,054.00	
Student aid fund	3,27,000.00		1,53,950.00	
Virtual class room	10,99,080.00		0.00	
Training Programme CG govt	<u>1,18,870.00</u>	58,98,389.89	<u>2,58,000.00</u>	31,76,998.89
Other liabilities				
Net Caution money	62,26,000.00		46,72,000.00	
Admission fess refundable	81,660.00		3,45,505.00	
TDS payable	5,18,115.00		5,53,550.00	
Earnest money Deposit with NIT	8,14,014.00		11,90,775.00	
Security Deposit(Employee)	8,32,649.00		6,36,130.00	
Scholarships to Students	1,15,54,900.00		1,40,31,535.00	
Sundry Creditors	3,21,114.00		7,15,052.00	
Sundry Creditors(Capital goods)	20,85,548.00		66,99,288.00	
Scholarships to Students Section A/C	15,40,618.00		15,40,618.00	
Bal of A/c 30013468813	236.00		236.00	
Bridge loan	14,400.00		14,400.00	
Performance bank Guarantee	2,73,750.00		1,57,269.00	
Interest(GPF)	31,478.00		0.00	
Fine payable	0.00	2,42,94,482.00	<u>2,17,000.00</u>	3,07,73,358.00
TOTAL A		3,01,92,871.89		3,39,50,356.89
B PROVISIONS				
Salary Regular staff Payable	73,09,503.00		60,46,317.00	
PF Payable	1,98,100.00		3,15,060.00	
GPF Contribution Payable	10,800.00		21,900.00	
DPF Contribution payable	4,050.00		4,050.00	
GIS/FBF contribution payable	15,770.00		15,550.00	
NPS Contribution of NITRR payable	2,77,523.00		3,28,722.00	
NPS Contribution of Employees payable	2,77,523.00		3,28,722.00	
Salary Contract Staff payable	38,41,567.00		2,66,746.00	
Salary Daily wages payable	7,91,724.00		0.00	
Faculty Association payable	8,200.00		0.00	
Admission expenses payable	0.00		36,120.00	
Audit expenses payable	0.00		55,647.00	
Department Technical event payable	0.00		16,372.00	
Department consumable payable	435.00		20,836.00	

Department misc payable	4,785.00		12,925.00	
Horticulture expenses payable	0.00		9,500.00	
Hostel electricity payable	71,140.00		56,580.00	
Hostel maintainance payable	0.00		14,560.00	
Testing and Con remuneration payable	61,20,484.00		38,17,934.00	
Telephone Charges payable	10,651.00		20,327.00	
Travelling & Hotel Expenses payable	1,09,615.00		13,005.00	
Printing & Stationery payable	0.00		3,10,211.00	
Electricity Expenses payable	6,69,670.00		7,30,390.00	
Consultency and Legal charges payable	50,535.00		0.00	
Function and other activity payable	0.00		6,24,236.00	
Other Meeting Expenses payable	0.00		1,30,828.00	
CPDA Expenses payable	1,18,855.00		12,67,575.00	
Security Expenses payable	0.00		9,288.00	
Fuel Charges payable	8,478.00		9,195.00	
Repairs & Maintenance to Collage Building payable	0.00		15,995.00	
Repairs & Maintenance to Electrical payable	4,365.00		0.00	
Children Education Allowance payable	79,307.00		2,26,787.00	
LTC Expenses payable	0.00		1,03,536.00	
Medical Grant and Expenses payable	38,407.00		14,825.00	
Exam Expenses and remuneration payable	7,70,964.00		0.00	
Training & Placement payable	0.00		30,704.00	
Internet and Website maintainance payable	3,27,500.00		19,65,000.00	
Sports exp payable	0.00		60,598.00	
Repair Maint equipment payable	45,451.00		50,436.00	
Repair Maint Hostel payable	14,980.00		21,539.00	
Computer Consumable & Repairing payable	22,000.00		70,238.00	
Gardening expenses payable	2,000.00		0.00	
Indian coffee house expenses payable	1,25,000.00		0.00	
News paper exp payable	428.00		0.00	
Office expenses payable	4,577.00		0.00	
Scholarship to Phd Payable	2,91,941.00		0.00	
Scholarship to M tech Payable	3,75,226.00		0.00	
Leave salary payable	0.00		8,250.00	
Pension Director payable	0.00		17,250.00	
NIT Transit House contribution	0.00		1,50,000.00	
Provision for Gratuity	1,20,99,100.00		1,20,99,100.00	
Provision for leave Encashment	65,67,311.00	4,06,67,965.00	65,67,311.00	3,58,84,165.00
TOTAL B		4,06,67,965.00		3,58,84,165.00
TOTAL (A+B)		7,08,60,836.89		6,98,34,521.89

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

Schedule- 5 :

(A)Fixed Assets:

S.No.	Description of assets	Cost of Assets as on 01.04.2011	Addition During the year 2011-12	Disposal / Transfer of ASsets	Rate of Dep	Depriciation upto 31.03.2011	Depre ciation for 2011-12	WDV as on 01.04.2011	WDV as on 31.03.2012
1	Air Conditioners	20,73,426.00	2,31,640.00	-	12.77%	9,62,521.00	2,82,753.00	11,10,905.00	10,59,792.00
2	Campus development	18,78,190.00	-	-	3.02%	1,68,013.00	56,721.00	17,10,177.00	16,53,456.00
3	Computer & Networking	4,89,36,949.00	6,97,028.00	-	12.77%	2,32,01,213.00	62,98,952.00	2,57,35,736.00	2,01,33,812.00
4	Cooler Purchase	3,58,259.00	8,200.00	-	12.77%	75,980.00	46,478.50	2,82,279.00	2,44,000.50
8	Washing machine	10,000.00	-	-	12.77%	2,554.00	1,277.00	7,446.00	6,169.00
6	Education and other Software	79,92,726.00	19,09,904.00	-	12.77%	23,85,896.00	11,42,618.50	56,06,830.00	63,74,115.50
7	Eletrical & Light fitting	31,37,898.00	-	-	12.77%	15,17,028.00	4,00,710.00	16,20,870.00	12,20,160.00
8	Equipment & Instruments	3,00,52,545.00	50,87,914.00	-	12.77%	64,40,330.00	42,47,710.00	2,36,12,215.00	2,44,52,419.00
9	Fans	2,21,098.00	19,700.00	-	12.77%	22,460.00	30,750.00	1,98,638.00	1,87,588.00
10	Fax Machine	55,160.00	23,000.00	-	12.77%	24,830.00	8,513.00	30,330.00	44,817.00
11	Furniture & Fixtures	1,31,69,238.00	52,12,554.00	-	12.77%	39,77,026.00	20,18,890.00	91,92,212.00	1,23,85,876.00
12	Gas Pipeline Installation	86,569.00	-	-	12.77%	38,692.00	11,055.00	47,877.00	36,822.00
13	Gyser	19,662.00	1,41,313.00	-	12.77%	5,627.00	11,534.00	14,035.00	1,43,814.00
14	Gym and Sports equipment	5,75,227.00	-	-	12.77%	2,54,963.00	73,456.00	3,20,264.00	2,46,808.00
15	Infra. for traning and placement	6,95,000.00	-	-	12.77%	4,88,136.00	88,752.00	2,06,864.00	1,18,112.00
16	Laboratory development	28,92,373.00	-	-	3.02%	1,67,500.00	87,350.00	27,24,873.00	26,37,523.00
17	Library Books/Journals	1,21,60,565.00	97,35,503.00	-	7.69%	19,54,227.00	13,13,631.00	1,02,06,338.00	1,86,28,210.00
18	Motor Cars	37,61,834.13	-	-	7.69%	8,48,841.00	2,89,285.00	29,12,993.13	26,23,708.13
19	Musical Instrument	35,140.00	1,55,081.00	-	12.77%	6,731.00	15,114.00	28,409.00	1,68,376.00
20	Office equipment	1,58,507.00	-	-	12.77%	16,821.00	20,241.00	1,41,686.00	1,21,445.00
21	Oscilloscopes monochrome model	3,06,665.00	-	-	12.77%	2,15,386.00	39,161.00	91,279.00	52,118.00
22	Photocopier Machine	19,92,675.00	3,05,691.00	-	12.77%	8,85,636.00	2,73,983.50	11,07,039.00	11,38,746.50
23	Projector Purchase	15,41,451.00	34,32,752.00	-	12.77%	8,47,940.00	5,26,065.50	6,93,511.00	36,00,197.50
24	Refridgerator	1,52,300.00	-	-	12.77%	47,893.00	19,449.00	1,04,407.00	84,958.00
25	Misc assets	46,736.00	3,08,048.00	-	12.77%	12,832.00	40,652.00	33,904.00	3,01,300.00
26	T.V. Purchase	1,18,060.00	-	-	12.77%	53,547.00	15,076.00	64,513.00	49,437.00
27	UPS	11,46,436.00	1,43,781.00	-	12.77%	2,68,211.00	1,56,145.50	8,78,225.00	8,65,860.50
28	Voltage Stablizer	81,380.00	-	-	12.77%	19,193.00	10,392.00	62,187.00	51,795.00
29	Water Cooler,purifier and filter	14,76,135.00	1,04,235.00	-	12.77%	7,33,980.00	1,95,629.50	7,42,155.00	6,50,760.50
30	Writing and other boards	12,58,233.00	72,135.00	-	12.77%	3,75,611.00	1,65,282.00	8,82,622.00	7,89,475.00
	TOTAL	13,63,90,437.13	2,75,88,479.00	0.00		4,60,19,618.00	1,78,87,627.00	9,03,70,819.13	10,00,71,671.13
	(B) Capital Work in Progress	20,89,94,065.00	21,50,00,000.00					32,89,94,065.00	54,39,94,065.00
	TOTAL (A+B)	34,53,84,502.13	24,25,88,479.00					41,93,64,884.13	64,40,65,736.13

Deputy Registrar

Registrar

SCHEDULE- 6**A. INVESTMENT(FROM EARMARKED/ENDOWMENT FUND)**

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
FDR(GPF)	5,10,65,232.00		4,40,42,911.00	
FDR With SBI GCET Branch	3,02,49,970.00		13,01,21,908.00	
FDR with Canara Bank	140000000.00	22,13,15,202.00	0.00	17,41,64,819.00
TOTAL(A)		22,13,15,202.00		17,41,64,819.00

B. INVESTMENT(OTHERS)

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
FDR with Canara Bank	22,50,00,000.00	22,50,00,000.00	15,00,00,000.00	15,00,00,000.00
TOTAL(B)		22,50,00,000.00		15,00,00,000.00
TOTAL(A+B)		44,63,15,202.00		32,41,64,819.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

SCHEDULE- 7

LOANS,ADVANCES AND OTHER CURRENT ASSETS

A CASH AND BANK

		As on 31.03.2012		As on 31.03.2011
PARTICULAR		AMOUNT(IN RS)		AMOUNT
CASH BALANCE	70000.00	70,000.00		5,004.00
BANK BALANCE				
Canera Bank A/C No. 20996	54,81,204.00		1,60,41,479.00	
Non-Plan (saving) 30054181310	11,99,729.78		33,66,990.87	
State Bank of Indore 63027813713	4,80,871.00		4,50,432.00	
SBI Bank A/c 30042955244	11,93,183.00		1,30,37,601.00	
SBI Bank A/c 31794300805	38,552.00		0.00	
SBI Bank A/c 10071113698	12,96,332.95		12,48,039.95	
GPF Banl A/c 31255750394	3,49,119.00		18,76,651.00	
SBI Bank A/c 30007211525	<u>37,71,005.00</u>	1,38,09,996.73	<u>8,68,603.00</u>	3,68,89,796.82
TOTAL (A)		1,38,79,996.73		3,68,94,800.82

B) LOANS ADVANCES AND OTHER ASSETS

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
Earnest money deposited by NIT	1,46,175.00		4,27,360.00	
Festival Advances	48,109.00		48,109.00	
Advance to Staff	10,54,022.00		21,06,777.00	
T A Adnances	25,000.00		25,000.00	
LTC Advances	25,000.00		25,000.00	
Legal Charges Advances	0.00		8,000.00	
GPF Advances	<u>25,75,940.00</u>	38,74,246.00	<u>45,000.00</u>	26,85,246.00
OTHER CURRENT ASSETS				
FDR received from party	1,93,462.00		4,02,552.00	
TDS Receivable	2,758.00		8,758.00	
Service Tax(Cenvat Credit)	7,64,850.00		7,75,986.00	
Hostel Rent receivable	0.00		22,500.00	
Electricity and water ch receivable	17,854.00		0.00	
Employees outstanding	7,995.00		0.00	
Testing Fees receivable	497.00		0.00	
Misc amount receivable	0.00		35,000.00	
Interest Accrued	2,53,74,390.00		24,45,181.00	
Admission Fees Receivable	380.00		5,63,850.00	
Convocation Fees receivable	0.00		32,500.00	
CCB Fund receivable	5,11,548.00		0.00	
MHRD Grant receivable	5,20,00,000.00		10,00,00,000.00	
PF amount receiveble	0.00	<u>7,88,73,734.00</u>	20,68,011.00	<u>10,63,54,338.00</u>
TOTAL (B)		8,27,47,980.00		10,90,39,584.00
TOTAL(A+B)		9,66,27,976.73		14,59,34,384.82

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
SCHEDULES FORMING PART OF THE BALANCE SHEET
SCHEDULE- 8
INCOME FROM SALE & SERVICES

		As on 31.03.2012		As on 31.03.2011
PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
Prospectus Sale	0.00		0.00	
Tendor Form Sale	3,000.00		97,535.00	
Consultency Fee	1,42,77,478.00		59,04,823.00	
Testing Fee	23,33,137.00	1,66,13,615.00	33,71,348.00	93,73,706.00
TOTAL		1,66,13,615.00		93,73,706.00

SCHEDULE- 9
FEES/SUBSCRIPTION

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
Tuition Fees	10,99,59,180.00		8,66,75,880.00	
Identity card Fee	3,46,100.00		3,07,900.00	
Magazine fees	3,46,100.00		3,07,900.00	
Registration Fee	8,65,250.00		7,69,750.00	
Sports fees	8,65,250.00		7,69,750.00	
Computer maintainance fee	0.00		9,23,700.00	
LibraryFees	17,30,500.00		15,39,500.00	
Main Exam Fees(Acadamic year)	64,20,950.00		57,11,150.00	
Internet Fee	10,38,300.00		0.00	
Insurance Fee	20,07,380.00		0.00	
Training & placement fees	8,65,250.00	12,44,44,260.00	7,69,750.00	9,77,75,280.00
TOTAL		12,44,44,260.00		9,77,75,280.00

SCHEDULE- 10
INTEREST EARNED

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
Interest on FDR	3,07,22,486.00		1,92,39,680.00	
Interest on Savings	29,72,454.00		26,31,853.00	
Bank charges refund by bank	0.00		17,000.00	
TDS on Fixed deposit refunded	0.00	3,36,94,940.00	5,32,241.00	2,24,20,774.00
TOTAL		3,36,94,940.00		2,24,20,774.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

SCHEDULE- 11

OTHER FEES

PARTICULAR		As on		As on 31.03.2011
		31.03.2012		AMOUNT(IN RS)
Exam Fees	26,51,517.00		18,43,794.00	
Misc Fees	21,107.00		2,12,770.00	
Recruitment Fees	51,400.00		14,48,258.00	
Application and Registration Fee	4,05,500.00		2,07,800.00	
Exam Conduct received	43,000.00		0.00	
Phd fees	6,62,993.00		4,09,310.00	
Late Fees	2,16,034.00		1,66,076.00	
DASA Fees	0.00		33,194.00	
Fine	91,577.00		0.00	
Admission Fees Refund	4,34,755.00		0.00	
Convocation Fee	1,01,000.00	46,78,883.00	19,15,500.00	62,36,702.00
TOTAL		46,78,883.00		62,36,702.00

SCHEDULE- 12

OTHER INCOME

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
Electric & water charges received	93,764.00		4,31,802.00	
Donation received	0.00		1,20,000.00	
House and other rent	2,56,040.00		2,15,753.00	
Information rights	892.00		1,926.00	
Misc received	19,992.00		2,07,690.06	
Sponsorship	6,36,053.00		4,00,000.00	
Fine Received	0.00		11,06,896.00	
Guest house charges	47,250.00		17,400.00	
Income tax Refund	0.00		5,870.00	
Expenses reimbursed from Testing/Consultancy	51,242.00		70,192.00	
Project account	0.00		79,227.00	
Other amount credited by bank	1,551.91		0.00	
Other Admission Fees deduction	0.00		3,02,980.00	
Deferred Income charged on account of Depreciation	1,78,87,627.00	1,89,94,411.91	4,60,19,618.00	4,89,79,354.06
TOTAL		1,89,94,411.91		4,89,79,354.06

SCHEDULE- 13

HOSTEL FEES

PARTICULAR				AMOUNT(IN RS)
Hostel Rent and Electricity Charges received	48,51,000.00		43,29,000.00	
Hostel room Rent	0.00	48,51,000.00	0.00	43,29,000.00
TOTAL		48,51,000.00		43,29,000.00

NATIONAL INSTITUTE OF TECHNOLOGY

SCHEDULES FORMING PART OF THE BALANCE SHEET

SCHEDULE- 14

ESTABLISHMENT EXPENSES

PARTICULAR		As on		As on 31.03.2011
		31.03.2012		AMOUNT(IN RS)
Contract Salary and Daily wages	4,98,14,244.00		4,26,17,867.00	
Paid to Part time & contract lecturers	0.00		47,272.00	
Salary-regular staff	8,54,67,123.00		8,30,83,453.00	
DA Arrears	17,01,067.00		10,60,145.00	
Pay Arrears	66,53,917.00		50,09,103.00	
Children education allowance	12,14,117.00		8,69,350.00	
GPF/GIS Director salary	3,05,843.00		0.00	
Director Leave salary remittance	68,927.00		1,07,250.00	
Director Pension remittance	1,44,121.00		2,24,250.00	
PF	27,71,880.00		0.00	
LTC expenses	3,14,799.00		7,20,633.00	
DPF	2,79,958.00		0.00	
Faculty association raipur	16,400.00		0.00	
Family planning allowance	528.00		0.00	
FBF and GIS	1,89,640.00		0.00	
Pension	38,75,877.00		0.00	
Pension and Gratuity	0.00		15,46,365.00	
Telephone facility to staff	0.00		10,551.00	
NPS Contribution by NIT	28,80,109.00		22,69,816.00	
NPS Contribution of Employee	28,80,109.00		0.00	
Leave Encashment	1,08,622.00		3,98,339.00	
CPDA expenses	1,48,06,269.00		34,53,488.00	
Gratuity for employees	0.00		1,20,99,100.00	
Leave for employee	0.00	17,34,93,550.00	65,67,311.00	16,00,84,293.00
TOTAL		17,34,93,550.00		16,00,84,293.00

SCHEDULE- 15

EXAM/SCHOLORSHIP EXPENSES

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
AICTE and other exam remuneration to staff	28,15,819.00		2,28,039.00	
CSVTU Exam Remuneration	0.00		7,66,168.00	
Exam department Expenses	2,55,862.00		2,00,770.00	
Admission expenses	0.00		1,21,534.00	
PHd Scholarship	27,15,239.00	57,86,920.00	0.00	13,16,511.00
TOTAL		57,86,920.00		13,16,511.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

SCHEDULE- 16

OTHER ADMINISTRATIVE EXPENSES

PARTICULAR		As on		As on
		31.03.2012		31.03.2011
		AMOUNT(IN		AMOUNT(IN
		RS)		RS)
Testing and Consultancy Remuneration & expenses	83,25,580.00		31,55,002.00	
Conveyence expenses	2,825.00		1,155.00	
Service Tax Arrear and Interest	5,35,346.00		0.00	
Bank Charges	14,004.00		25,815.00	
NIT Transit house contribution	1,50,000.00		1,50,000.00	
Prize Money	0.00		2,00,000.00	
Training & placement expenses	3,54,855.00		2,97,222.00	
Transfer Grant	75,000.00		0.00	
BOG/Finance/HODs/Deans/ etc meeting expenses	1,62,151.00		4,97,191.00	
Functions & activities expenses	41,56,938.00		12,79,602.00	
Other Meeting and Conference expenses	1,05,458.00		3,95,226.00	
Advertisement	7,43,868.00		2,85,816.00	
Audit expenses	21,078.00		57,897.00	
Interest on TDS	42,500.00		22,595.00	
Internet charges and Web maintainance	22,23,544.00		19,77,135.00	
Consultancy and Legal Expenses	10,07,826.00		5,76,899.00	
GPF Interest shortfall	2,49,491.00		0.00	
Miscellaneous expenses	39,522.00		30,607.00	
Postage & stamp Expenses	60,000.00		1,20,386.00	
Printing & Stationery charges	17,21,906.00		11,77,622.00	
Travelling and Hotel expenses	11,66,191.00		5,49,164.00	
Recruitment expenses	2,66,210.00		40,709.00	
TDS 0809	0.00		1,02,442.00	
Library Expenses	2,76,283.00		52,653.00	
Medical grant & expenses	8,60,816.00		2,53,498.00	
Indian Coffee house expenses	14,41,666.00		1,17,011.00	
Water, Electricity & Telephone charges	88,13,853.00		83,34,808.00	
Convocation expenses	0.00		18,80,334.00	
Fuel charges	1,42,529.00		1,29,781.00	
Vehicle Repairs and Maintainance	1,08,341.00		86,699.00	
Insurance charges	1,05,468.00		75,424.00	
Sports,Yoga and other activity	4,37,129.00		1,73,646.00	
Office upkeep expenses	1,25,137.00		1,47,655.00	
Statutory expenses	33,827.00		9,369.00	
Honorarium	0.00	3,37,69,342.00	2,09,000.00	2,24,72,961.00
TOTAL		3,37,69,342.00		2,24,72,961.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

SCHEDULE- 17

DEPARTMENTAL OPERATING EXPENSES

PARTICULAR		As on		As on
		31.03.2012		31.03.2011
		AMOUNT(IN RS)		AMOUNT(IN RS)
Computer consumable expenses	12,19,625.00		7,24,263.00	
Department Misc Expenses	2,85,886.00		2,30,309.00	
Department/lab consumable expenses	7,26,356.00		4,71,728.00	
Workshop expenses	0.00		14,893.00	
Repair and maintainance instrument/equipments	2,90,222.00		4,89,748.00	
deparmental Technical events	1,19,345.00		1,20,948.00	
Department stationary expenses	0.00	26,41,434.00	1,33,722.00	21,85,611.00
		26,41,434.00		21,85,611.00

SCHEDULE- 18

HOSTEL EXPENSES

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
Hostel electric	8,50,250.00		4,56,250.00	
Hostel Maintanance	22,964.00		82,302.00	
Hostel Rent	0.00		2,52,010.00	
Hostel Telephone	0.00	8,73,214.00	17,530.00	8,08,092.00
TOTAL		8,73,214.00		8,08,092.00

SCHEDULE- 19

ESTATE OFFICE EXPENSES (Maintenance Expenses)

PARTICULAR		AMOUNT(IN RS)		AMOUNT(IN RS)
Guest house expenses	3,312.00		46,545.00	
Gardning & Horticulture	31,583.00		25,916.00	
Repair & Maintenance to Furniture	36,980.00		0.00	
Electrical maintainance	11,38,591.00		2,11,344.00	
Repair & Maintenance to College Building	7,87,140.00		9,80,901.00	
Repair & Maintenance to Hostel Building	9,61,384.00		3,05,689.00	
Repair & Maintenance to Staff Quarters	1,77,138.00		5,47,010.00	
Security service expenses	0.00		9,288.00	
Sanitary/cleaning Expenses	1,20,349.00	32,56,477.00	56,521.00	21,83,214.00
TOTAL		32,56,477.00		21,83,214.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULE - "20" SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO ACCOUNTS :

A. INSTITUTE OVERVIEW:

"The National institute of Technology, Raipur is established by an Act of Parliament called "The National Institute of Technology Act 2007" as Institute of National Importance, having status of deemed University to provide for instruction and research in branches of Engineering, Science and Technology and is fully funded by the Government of India, Ministry of Human Resource Development. The Institute prepares its Annual Accounts as per the Common format provided by the Government of India.

B. SIGNIFICANT ACCOUNTING POLICIES :

1. BASIS OF ACCOUNTING

"The Institute is governed by NIT act 2007.As per Government of India D.O.No. CDN/MF-CGA/98/99 DT 31.08.2000 the accounts of the Institute is prepared in Common accounting format applicable to all Central autonomous bodies.

The accounts of the Institute are prepared under Historical Cost convention and in accordance with applicable accounting standards, except where otherwise stated. For recognition of Income & Expenditure accrual basis of accounting is followed.

Cash basis of Accountng was being followed by the Institute up to financial year 2009-10.From Financial year 2010-11 onwards Accrual system of Accounting is applied."

2. USE OF ESTIMATES:

The preparation of financial statements requires estimates and assumptions to be made that affect the reported amount of assets and liabilities on the date of the financial statements and the reported amount of revenues & expenses during the reported period. Difference between the actual results and the estimates are recognised in the period in which the results are known / materialised.

3. REVENUE RECOGNITION:

"Mercantile method of accounting is employed unless otherwise specifically stated. However, where the amount is immaterial /negligible and/or establishment of accrual/ determination of amount are not possible, no entries are made for the accrual.

Following Major recognitions are there-

- (a) Misc. Fees received, rent received, recoveries against electricity and water, settlement of advance etc are accounted through Daily Fees Register. (i.e.DFR) and the DFR is accounted for on daily basis.
- (b) Interest on Deposits is accounted for on accrual basis.
- (c) Grants received for Capital and Revenue purposes are recognized on accrual basis of accounting.
- (d) Student Admission Fees and Hostel fees are accounted for on Academic Session basis i.e. July to June.
- (e) All other revenues are recognized on the basis of accrual system of accounting.

4. FIXED ASSETS

- i) Fixed Assets are stated at cost of acquisition inclusive of inward freight, duties and taxes and incidental and direct expenses related to acquisition. All material related cost, labour or contractor charges payable to outsider for work by them in respect of capital jobs are included in the cost of concerned capital assets.

- ii) In respect of projects involving construction, related pre-operational expenses (including interest on loans for specific project prior to its completion), and form part of the cost of the assets capitalized.
- iii) Fixed Assets received by way of non-monetary grants (other than towards the Corpus Fund), are capitalized at values stated, by corresponding credit to Capital Reserve.
- iv) All capital expenditure is accounted for through capital work-in-progress accounts. On commissioning of the assets, the expenditure is transferred to appropriate fixed assets accounts.

5. DEPRECIATION

- (i) The Govt. of India has recently directed that the Annual Accounts shall be presented in the modified format applicable to “Central Autonomous Bodies (Non-profit organizations and similar Institutions)”. As per this format depreciation is required to be charged on fixed assets on SLM(Straight line method) method as prescribed in Income tax act. .At the time of publication of this format IT act prescribe SLM and WDV(Written down value) method for charging of depreciation,but amended IT act thereafter discontinued charging of depreciation on SLM method except for the power generation company,Henceforth in the absence of any specific direction depreciation is charged on the basis of SLM method as per the rate prescribed for the power generation company under the Income Tax act.
- ii) Full cost of all small and low value assets each costing Rs.5000/- or less under lab equipments is fully charged to revenue in the year in which the assets are put to use. No part of the cost of such items shall therefore be included in the

cost of fixed assets nor shall any depreciation be charged thereon."

6. GOVERNMENT GRANTS/SUBSIDIES

- i) Government grants of the nature of contribution towards capital cost of setting up projects are treated as Capital Reserve.
- ii) Grants in respect of specific fixed assets acquired are shown as a deduction from the cost of the related assets.
- iii) Grants Relatable to depreciable fixed Assets are treated as deferred income and recognised in the Income and Expenditure account over the useful life of such assets i.e. such grants are allocated to income over the periods and in the proportions in which depreciation is charged. Accounting for cost of a capital asset is done in the normal course without considering any contribution, subsidy or grants towards the cost of the asset. Depreciation are been charged in the normal course on the 'full cost' of the asset.
- iv) Grants relatable to Non depreciable Assets are treated as ""capital reserve"".

7. INVESTMENTS

- i) Long Term Investments are stated at cost including directly attributable cost. A provision for diminution in the value of long term investments is made only if such is other than temporary, in the opinion of Management.
- ii) The surplus money of the Institute is invested in the fixed deposits in the nationalized banks, keeping in view the directives from the Finance Committee of the Institute and the guidelines provided by the Govt. of India, Ministry of Human Resource Development on the subject.
- iii) Current Investments are stated at lower of cost and fair value.

8. INVENTORY

"Items of inventories are measured at cost. Cost comprises of all cost of purchase, cost of conversion and other costs incurred in bringing the inventories to their present location and condition.

Cost of Consumables are charged to income and expenditure account as when purchased, as the total expenditure on Consumables comprises of very minor share i.e. less than 1% of total expenses.

9. CONTINGENT LIABILITIES:

Liabilities which are material and whose future outcome cannot be reasonably ascertained are treated as contingent and not provided for and disclosed by way of notes to the accounts.

10. EMPLOYEES RETIREMENT BENEFIT

- i) Liability towards gratuity payable on death/retirement of employees is accrued based on valuation. The valuation has been done in respect of those persons who have become entitled for the same.
- ii) Provision for accumulated leave encashment benefit to the employees is accrued and computed on the assumption that employees are entitled to receive the benefit as at each year end.
- iii) Short term and other long term employee benefits are recognized as an expense at the undiscounted amount in profit and loss account of the year in which the related service is rendered.

11. PROVISIONS

Provisions are recognized, where the Institute has any legal or constructive obligation or where reliable estimate can be made for the amount of the obligation and

as a result of past events, for which it is probable that an outflow of economic benefits will be required to settle the obligation at the balance sheet date. These are reviewed at each balance sheet date and adjusted to reflect the current best estimates.

12. FOREIGN CURRENCY TRANSACTIONS

Foreign currency transactions are recorded in the reporting currency, by applying to the foreign currency amount the exchange rate between the reporting currency and the foreign currency at the date of transaction.

13. CASH AND CASH EQUIVALENT

Cash and Cash equivalents in the balance sheet comprise cash at bank and in hand .

C. NOTES TO THE ACCOUNTS

1. BALANCE FUND OF GOVERNMENT ENGG COLLEGE:

"As per Government of India, Notification No. F.20-5/2004-TS.III Dt 29/11/2005 all Liabilities of the Institute up to 30.11.2005 will be borne by Chhattisgarh government. However the Notification is silent regarding transfer of Assets of Govt. engg. College to National Institute of Technology Raipur.

The list of fixed assets as well as liabilities of the Institute is not prepared as on 01.12.2005,Hence not reflected in the Balance sheet of National Institute of Technology Raipur.

The current assets of the Govt engg college in the form of Bank balances, Loans and Advances etc. are reflected in the books of Accounts of National Institute

of Technology Raipur under the head "Fund from Erstwhile govt engg college" in Schedule "D" CURRENT LIABILITIES AND PROVISION amounted to Rs 1395949.89.

2. TAXATION

In view of there being no taxable income under Income-tax Act 1961, no provision for Income tax has been considered necessary.

3. DEPRICIATION ON FIXED ASSETS IN 2011-12:

"Depreciation on Fixed Assets purchased in 2011-12 has been calculated as prescribed in common format of Accounting and charged to Income and Expenditure account. The same amount is recognized in Income and expenditure account in Schedule 12 under the head "Other Income" by corresponding debit to Deffered Government Grant.

PARTICULARS	DEPRICIATION FROM 01.04.2011 TO 31.03.2012
DEPRICIATION	17,887,627.00
TOTAL	17,887,627.00

The value of Fixed Assets dereased by Rs 17887627.00 and Deffered Government Grant reduced by the same amount in Balance sheet.

4. GPF (CORPUS) - SCHEDULE C

- i) The Institute has provided interest on GPF fund balance for the year 2010-11 and 2011-12.
- ii) The GPF corpus fund is invested in Fixed deposits till the statutory formalities are not completed."

5. RETIREMENT BENEFITS

The Disclosures with respect to Accounting Standard (AS -15) (Revised 2005) "Employee Benefits" are as under-

1. Defined Contribution Plans

Following amount has been recognized in Profit & Loss Account

PARTICULARS	As on 31.03.2012	As on 31.03.2011
Employers Contribution to New Pension Scheme	2,880,109.00	2,269,816.00

2. Defined Benefit Plan

- a) Provision for Gratuity is made on the basis of $\frac{1}{4}$ of the emolument (Pay) last drawn for each completed six monthly period of qualifying service subject to a maximum of $16\frac{1}{2}$ times of the last emolument drawn and restricted to a maximum limit of Rs.10,00,000=00 {applicable from 01.01.2006. • Dearness Allowance is included in 'emoluments' for determining the amount of Retirement / Death Gratuity as per rule.
- b) Provision for Leave is made as below:-

"Pay as on 31.03.2011+(D.A) * Earned leave/Half pay leave balance as on
31.03.2011

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6. FIXED ASSETS MANAGEMENT WORK

"As per Government of India, Notification No. F.20-5/2004-TS.III Dt 29/11/2005 the erstwhile Govt. Engg College upgraded as National Institute of Technology Raipur w.e.f. 01.12.2005.

The list of fixed assets as well as liabilities of the Institute was not prepared as on 01.12.2005,Hence the Balance sheet of National Institute of Technology Raipur reflects the Assets purchased after 01.12.2005 only.

However the work of preparation of Fixed asset Register purchased prior to conversion is in process and will be incorporated in the Balance sheet in future year."

7 "Prior period items

An amount of Rs 3.46 lakh included in Library books and journals,Rs 6.27 lakh included in Consultancy fees, Rs 17.74 lakh included in Contract salary and daily wages pertains to the year 2010-11 but omitted to taken in that year .

8 Corresponding figures for the previous year have been regrouped/rearranged, wherever necessary.

- 9 In the opinion of management there is no such events occurred after the date of balance sheet of material value which needs disclosure in the accounts.

- 10 Schedules 1 to 20 are annexed to and form an integral part of the Balance Sheet as at 31.03.2012 and the Income and Expenditure account for the year ended on that date.

National Institute of Technology, Raipur	2011-2012	
Receipts	1-Apr-2011 to 31-Mar-2012	
Opening Balance		36894800.82
Bank Accounts	36889796.82	
Cash-in-hand	5004.00	
PROVODENT/OTHER FUND		220667208.00
<i>Corpus Fund (Provident Fund)</i>	667208.00	
<i>Grant in Aid(OBC PLAN) Received</i>	40000000.00	
<i>Grant in Aid(PLAN) Received</i>	180000000.00	
Current Liabilities		20403302.00
Duties & Taxes	4227644.00	
Provisions	355487.00	
Sundry Creditors	128148.00	
OTHER CURRENT LIABILITIES	14692023.00	
SUNDRY CREDITORS(CAPITAL GOODS)	1000000.00	
Current Assets		308183963.00
Deposits (Asset)	200030950.00	
Loans & Advances (Asset)	3532670.00	
Sundry Debtors	725082.00	
Other Current Assets	103895261.00	
Direct Expenses		748.00
EXAM/SCHOLARSHIP EXPENSES	748.00	
Indirect Incomes		90048979.91
BANK INTEREST AND CREDITS	12593108.00	
FINE	91577.00	
HOSTEL FEES	4851000.00	
NON PLAN GRANT RECEIVED	68000000.00	
OTHER FEES	3444274.00	
OTHER RECEIPT	896490.91	
PROJECT ACCOUNT	50000.00	
RENT	122530.00	
Indirect Expenses		131400.00
ADMINISTRATIVE EXPENSES	3732.00	
DEPARTMENTAL OPERATING EXPENSES	450.00	
ESTABLISHMENT EXPENSES	74216.00	
ESTATE OFFICE EXPENSES (MAINTENANCE EXP)	9000.00	
LIBRARY EXPENSES	1640.00	
MEETTING AND CONFERENCE EXPENSES	946.00	
STUDENTS FUNCTIONS AND ACTIVITIES	38681.00	
TOUR & TRAVELING EXPENSES	500.00	
WATER ELECTRICITY & TELEPHONE CHARGES	2235.00	
Direct Income		148910220.00
ADMISSION FEES	132919877.00	
INCOME FROM SALE AND SERVICES	15990343.00	
Total		825240621.73

National Institute of Technology, Raipur	2011-2012	
Payments	1-Apr-2011 to 31-Mar-2012	
PROVODENT/OTHER FUND		3876.00
<i>Corpus Fund (Provident Fund)</i>	3876.00	
Current Liabilities		439672861.00
Duties & Taxes	16930779.00	
Provisions	140025845.00	
Sundry Creditors	56274940.00	
OTHER CURRENT LIABILITIES	13938641.00	
SUNDRY CREDITORS(CAPITAL GOODS)	212502656.00	
Fixed Assets		88341.00
<i>Coolers</i>	5000.00	
<i>Library Books/ Journals</i>	50370.00	
<i>Misc Assets</i>	21100.00	
<i>Musical Instrument</i>	11871.00	
Current Assets		331439035.00
Deposits (Asset)	320150950.00	
Loans & Advances (Asset)	10379484.00	
Sundry Debtors	11030.00	
Other Current Assets	897571.00	
Direct Expenses		4469366.00
<i>Scholarship for PHD</i>	2423298.00	
EXAM/SCHOLARSHIP EXPENSES	2046068.00	
Indirect Incomes		2008665.00
OTHER FEES	1946065.00	
OTHER RECEIPT	62600.00	
Indirect Expenses		30752481.00
ADMINISTRATIVE EXPENSES	2763372.00	
BANK CHARGES	14004.00	
DEPARTMENTAL OPERATING EXPENSES	84989.00	
ESTABLISHMENT EXPENSES	25047072.00	
ESTATE OFFICE EXPENSES (MAINTENANCE EXP)	64255.00	
LIBRARY EXPENSES	137024.00	
MEDICAL EXPENSES	708243.00	
MEETING AND CONFERENCE EXPENSES	201810.00	
STUDENTS FUNCTIONS AND ACTIVITIES	1126913.00	
TOUR & TRAVELING EXPENSES	516470.00	
TRANSPORT EXPENSES	19426.00	
WATER ELECTRICITY & TELEPHONE CHARGES	68903.00	
Direct Income		2926000.00
ADMISSION FEES	2900000.00	
INCOME FROM SALE AND SERVICES	26000.00	
Closing Balance		13879996.73
Bank Accounts	13809996.73	
Cash-in-hand	70000.00	
Total		825240621.73

National Institute of Technology Raipur	2011-2012	
Trail Balance	1-Apr-2011 to 31-Mar-2012	
	Closing Balance	
	Debit	Credit
Capital Account		309188709.97
Reserves & Surplus		84188709.97
<i>General Reserve</i>		84188709.97
CORPUS/CAPITAL FUND		225000000.00
<i>Corpus Fund</i>		225000000.00
PROVODENT/OTHER FUND		806959368.00
<i>Corpus Fund (Provident Fund)</i>		56791613.00
<i>Deffered Government Grant</i>		644065736.13
<i>Gran in Aid(OBC PLAN) Unutilised</i>		106102018.87
Current Liabilities	2882447.50	73743284.39
Duties & Taxes		518115.00
Service Tax		
<i>Tds Deducted</i>		5615.00
<i>TDS on Salary Payable</i>		512500.00
Provisions		40667965.00
<i>Children Education Allowance Payable</i>		79307.00
<i>Computer Consu Exp Payable</i>		22000.00
<i>Consultancy & Legal Charges Payable</i>		50535.00
<i>CPDA Expenses Payable</i>		118855.00
<i>Dept Consu Exp Payable</i>		435.00
<i>Dept Misc Exp Payable</i>		4785.00
<i>DPF Contribution Payable</i>		4050.00
<i>Electricity Expenses Payable</i>		669670.00
<i>Exam Expenses and Remu Payable</i>		770964.00
<i>Faculty Assocation Payable</i>		8200.00
<i>Fuel Charges Payable</i>		8478.00
GARDENING EXP PAYABLE		2000.00
<i>GIS/FBF Contribution Payable</i>		15770.00
<i>GPF Contribution Payable</i>		10800.00
HOSTEL ELECTRIC PAYABLE		71140.00
<i>Indian Coffee House Exp. Payable</i>		125000.00
<i>Internet and WEb Maint Payable</i>		327500.00
<i>Medical Grant and Expenses Payable</i>		38407.00
<i>News Paper Expenses Payable</i>		428.00
<i>NPS Contribution of Employees Payable</i>		277523.00
<i>NPS Contribution of NITRR Payable</i>		277523.00
<i>Office Expenses Payable</i>		4577.00
<i>PF Contribution Payable</i>		198100.00
<i>Provision for Gratuity</i>		12099100.00
<i>Provision for Leave Salary</i>		6567311.00
<i>Rep Maint Electrical Payable</i>		4365.00
<i>Rep Maint Equipment Payable</i>		45451.00
<i>Rep Maint Hostel Building Payable</i>		14980.00
<i>Salary Payable - Contract Staff</i>		3841567.00
<i>Salary Payable-Daily Wages</i>		791724.00
<i>Salary Payable - Regular Staff</i>		7309503.00
<i>Scholarship for PHD Payable</i>		291941.00
<i>Scholarship to Student Payable</i>		375226.00

National Institute of Technology Raipur	2011-2012	
Trail Balance	1-Apr-2011 to 31-Mar-2012	
	Closing Balance	
	Debit	Credit
<i>TA and Hotel Expenses Payable</i>		109615.00
<i>Telephone Expenses Payable</i>		10651.00
<i>Testing/cons Remunration Payable</i>		6120484.00
Sundry Creditors		321114.00
Fund From Erstwhile Govt Account	533386.50	1928436.39
<i>Advance Autonomous A/c</i>		36061.00
<i>Autonomous Advance A/c</i>		72715.00
<i>Autonomous Bank</i>		1736415.95
<i>Autonomous Cash Book</i>	82750.50	
<i>GEC Autonomous Account</i>	450636.00	
<i>Govt CAsh Book</i>		66166.30
<i>PD CAsh Book</i>		13659.14
<i>SDF Testing Cash Book</i>		3419.00
OTHER CURRENT LIABILITIES	2349061.00	28222106.00
<i>Admission Fees Refundable</i>		81660.00
<i>Alumni Fund</i>		265000.00
<i>Amalgamated Fund</i>		36750.00
<i>Balance of A/c 30013468813</i>		236.00
<i>Bridge Loan</i>		14400.00
<i>Caution Money Received</i>		7365500.00
<i>Caution Money Refunded</i>	1139500.00	
<i>Earnest Money Deposit with NIT</i>		2023575.00
<i>EMD Refund</i>	1209561.00	
<i>Interest Received(GPF)</i>		31478.00
<i>Performance Bank Guarantee</i>		273750.00
<i>Poor Boys Fund</i>		950195.00
<i>Project Fund (Un Utilised)</i>		1706445.00
<i>Scholarship to Student</i>		11554900.00
<i>Scholarship to Student Section A/c</i>		1540618.00
<i>Security Deposit of Employees</i>		832649.00
<i>Student Aid Fund</i>		327000.00
<i>Training Programme CG Govt</i>		118870.00
<i>Virtual Classroom</i>		1099080.00
SUNDRY CREDITORS(CAPITAL GOODS)		2085548.00
<i>3DM Engineering for U Pvt Ltd</i>		1260000.00
<i>Ghanshyam Enterprises</i>		12400.00
<i>Mohan Exports P Ltd.</i>		84846.00
<i>Nayak Power Systems P Ltd</i>		269850.00
<i>Om Stationery Mart</i>		33525.00
<i>Research Books & Periodicals Pvt. Ltd.</i>		356127.00
<i>S.M. Engineering</i>		14990.00
<i>Stream Softech Corporation</i>		53810.00
Fixed Assets	100071671.13	
<i>Air Conditioners</i>	1059792.00	
<i>Boards</i>	789475.00	
<i>Campus Development</i>	1653456.00	
<i>Computers / Softwares & Networking</i>	20133812.00	
<i>Coolers</i>	244000.50	

National Institute of Technology Raipur	2011-2012	
Trail Balance	1-Apr-2011 to 31-Mar-2012	
	Closing Balance	
	Debit	Credit
<i>Educational and Other Software</i>	6374115.50	
<i>Electrical & Light Fitting</i>	1220160.00	
<i>Equipment & Instruments</i>	24452419.00	
<i>Fans</i>	187588.00	
<i>Fax Machine Purchase</i>	44817.00	
<i>Furniture & Fixtures</i>	12385876.00	
<i>Gas Pipeline Installation</i>	36822.00	
<i>Gym & Sports Equipment</i>	246808.00	
<i>Gyser</i>	143814.00	
<i>Infrastructure for Training & Placement</i>	118112.00	
<i>Laboratory Development</i>	2637523.00	
<i>Library Books/ Journals</i>	18628210.00	
<i>Misc Assets</i>	301300.00	
<i>Motor Cars</i>	2623708.13	
<i>Musical Instrument</i>	168376.00	
<i>Office Equipment</i>	121445.00	
<i>Oscilloscopes Monochrome Model</i>	52118.00	
<i>Photocopier Machine</i>	1138746.50	
<i>Projectors</i>	3600197.50	
<i>Refridgerator</i>	84958.00	
<i>Television</i>	49437.00	
<i>UPS</i>	865860.50	
<i>Voltage Stablizer</i>	51795.00	
<i>Washing Machine</i>	6169.00	
<i>Water Cooler Purifier & Filter</i>	650760.50	
Current Assets	542953178.73	10000.00
Deposits (Asset)	446315202.00	
<i>FDR(GPF)</i>	51065232.00	
<i>FDR with Canara Bank</i>	365000000.00	
<i>FDR with SBI GCET Branch Raipur</i>	244517.00	
<i>FDR With SBI GCET Raipur (NEW)</i>	30005453.00	
Loans & Advances (Asset)	3884246.00	10000.00
Advance to Staff	1064022.00	10000.00
<i>Abhijit Banerjee</i>	1718.00	
<i>Ajay Sharma</i>	15000.00	
<i>Alok Dubey</i>	9500.00	
<i>Anoop Kumar Tiwari</i>	84916.00	
<i>Balram Nayak (Security Officer)</i>	1000.00	
<i>Bijay Kumar Sahoo</i>	136000.00	
<i>Chaitanya Kango</i>	6000.00	
<i>Dr. (Mrs.) S.K. Pandey</i>	97000.00	
<i>H. Bikrol</i>		10000.00
<i>J.P. Joseph</i>	15000.00	
<i>Kesari Verma</i>	110000.00	
<i>Mahesh Ram Verma</i>	10450.00	
<i>Manoranjan Ku. Manoj</i>	15000.00	
<i>Md Tanveer Khan</i>	5000.00	
<i>Mithilesh Atulkar</i>	10000.00	

National Institute of Technology Raipur	2011-2012	
Trail Balance	1-Apr-2011 to 31-Mar-2012	
	Closing Balance	
	Debit	Credit
M.K. Verma	95000.00	
M.L. Agrawal	1000.00	
Pankaj Dewangan	12500.00	
Ram Kumar Sahu (Estate Office)	5000.00	
Ravindra Kumar Chouhan	12000.00	
Sadhna Agrawal	10000.00	
Samir Bajpai	40000.00	
Sapam Mohan Saini	136000.00	
S. Sanyal	4785.00	
Sudhakar Pandey	14153.00	
U.K. Dewangan	5000.00	
Vijay Singh	200000.00	
Vinod Ku. Thakur (Advocate)	12000.00	
GPF Advance	2575940.00	
A.B. Soni (GPF Advance)	26250.00	
A.K. Dongre (GPF Adv)	243400.00	
A.K. Shrivastava (GPF Adv)	1100000.00	
D.K. Soni (GPF Adv)	29895.00	
H.K. Choudhary (GPF Adv)	100000.00	
Manju Thakur (GPF Adv)	10695.00	
R.K. Yadav (GPF Adv)	607700.00	
S.D. Goyal (GPF Adv)	10000.00	
S.K. Soni (GPF Adv)	111000.00	
S.R. Ghormare (GPF Adv)	127000.00	
V.K. Ingole (GPF Adv)	110000.00	
V.R. Bhosle (GPF Adv)	100000.00	
LTC Advance	25000.00	
Mridula Mahant(LTC ADV)	25000.00	
Earnest Money Deposited by NIT	146175.00	
Festival Advances	48109.00	
T A Advances	25000.00	
Sundry Debtors		
Cash-in-hand	70000.00	
Cash in Hand	70000.00	
Bank Accounts	13809996.73	
Canara Bank Saving Account 20996	5481204.00	

National Institute of Technology Raipur	2011-2012	
Trail Balance	1-Apr-2011 to 31-Mar-2012	
	Closing Balance	
	Debit	Credit
<i>GPF Saving A/c No. 31255750394</i>	349119.00	
<i>SBI Current Account 30042955244</i>	1193183.00	
<i>SBI Current Account 31794300805</i>	38552.00	
<i>SBI GCET 30007211525</i>	3771005.00	
<i>SBI GCET Aluminai 10071113698</i>	1296332.95	
<i>SBI Saving Account 30054181310</i>	1199729.78	
<i>State Bank of Indore 63027813713</i>	480871.00	
Other Current Assets	78873734.00	
<i>Accrued Interest on FDR</i>	25374390.00	
<i>Admission Fees Receivable</i>	380.00	
<i>CCB Fund Receivable</i>	511548.00	
<i>Electricity & Water Income Receivable</i>	17854.00	
<i>Employees Outstanding</i>	7995.00	
<i>FDR Received From Party</i>	193462.00	
<i>Grant Receivable(MHRD)</i>	52000000.00	
<i>Service Tax Cenvat Credit</i>	747544.50	
<i>Service Tax E Cess Cenvat Credit</i>	17305.50	
<i>TDS Receivable</i>	2758.00	
<i>Testing Receivable</i>	497.00	
Direct Expenses	5786920.00	
EXAM/SCHOLARSHIP EXPENSES	3071681.00	
<i>Exam Expenses</i>	255862.00	
<i>Exam Remuneration</i>	2815819.00	
<i>Scholarship for PHD</i>	2715239.00	
Indirect Incomes		182219234.91
BANK INTEREST AND CREDITS		33694940.00
<i>Interest on FDR</i>		30722486.00
<i>Interest on Saving</i>		2972454.00
FINE		91577.00
<i>Library Fine</i>		11077.00
<i>Student Absent Fine</i>		80500.00
HOSTEL FEES		4851000.00
<i>Hostel Rent and Electricity Charges Received</i>		4851000.00
NON PLAN GRANT RECEIVED		120000000.00
<i>Non Plan Grant</i>		120000000.00
OTHER FEES		4587306.00
<i>Admission Fees Refund</i>		434755.00
<i>Application and Registration Fee</i>		405500.00
<i>Convocation NIT Raipur</i>		101000.00
<i>Exam Conduct Fees</i>		43000.00
<i>Exam Fees</i>		2651517.00
<i>Late Fees</i>		216034.00
<i>Misc Fees</i>		21107.00
<i>PHD Fees</i>		662993.00
<i>Recruitment Fees</i>		51400.00

National Institute of Technology Raipur		2011-2012	
Trail Balance		1-Apr-2011 to 31-Mar-2012	
		Closing Balance	
		Debit	Credit
OTHER RECEIPT			18738371.91
<i>Deffered Income</i>			17887627.00
<i>Electricity & Water Income</i>			93764.00
<i>Guest House Charges Received</i>			47250.00
<i>Information Rights Act</i>			892.00
<i>Misc Amount Received</i>			19992.00
<i>Other Amount Credited by Bank</i>			1551.91
<i>Sponsorship Account</i>			636053.00
<i>Testing/CON Expenses Reimbursed</i>			51242.00
PROJECT ACCOUNT			
RENT			256040.00
<i>House Rent Employee</i>			138040.00
<i>Rent (Canteen)</i>			48000.00
<i>SBI Rent</i>			70000.00
Indirect Expenses		231921644.00	
ADMINISTRATIVE EXPENSES		9091776.00	
<i>Advertisement Expenses</i>		743868.00	
<i>Audit Expenses</i>		21078.00	
<i>Consultancy & Legal Charges</i>		1007826.00	
<i>GPF Interest Shortfall</i>		249491.00	
<i>Indian Coffee House Exp.</i>		1441666.00	
<i>Interest on TDS</i>		42500.00	
<i>Internet Ch and Web Maintainance</i>		2223544.00	
<i>Miscellaneous Expenses</i>		39522.00	
<i>NIT Transit House Contribution</i>		150000.00	
<i>Office Expenses</i>		125137.00	
<i>Postage & Telegram</i>		60000.00	
<i>Printing & Stationary</i>		1721906.00	
<i>Recruitment Expenses</i>		266210.00	
<i>Service Tax Arrears & Interest</i>		535346.00	
<i>Statutory Expenses</i>		33827.00	
<i>Training & Placement</i>		354855.00	
<i>Transfer Grant</i>		75000.00	
BANK CHARGES		14004.00	
<i>Bank Charges</i>		14004.00	
DEPARTMENTAL OPERATING EXPENSES		2641434.00	
<i>Computer Consumable & Repair Expenses</i>		1219625.00	
<i>Departmental Events Expenses</i>		119345.00	
<i>Departmental Misc Expenses</i>		285886.00	
<i>Department Consumable Exp</i>		726356.00	
<i>Repair & Maintainance to Equipment</i>		290222.00	
ESTABLISHMENT EXPENSES		173493550.00	
Pay and Allowances		151289525.00	
Arrears		6674266.00	
<i>Contract Salary and Daily Wages</i>		49814244.00	
<i>DA Arrears</i>		1701067.00	
DPF		279958.00	
<i>Faculty Association NIT Raipur</i>		16400.00	

National Institute of Technology Raipur	2011-2012	
Trail Balance	1-Apr-2011 to 31-Mar-2012	
	Closing Balance	
	Debit	Credit
<i>Family Planning Allowance</i>	528.00	
<i>GIS/FBF</i>	189640.00	
<i>GPF</i>	305843.00	
<i>Leave Salary</i>	68927.00	
<i>Pension</i>	3875877.00	
<i>Pension Director</i>	144121.00	
<i>PF</i>	2771880.00	
<i>Regular Staff Salary</i>	85446774.00	
<i>Children Education Allowance</i>	1214117.00	
<i>CPDA Exp</i>	14806269.00	
<i>Leave Encasement</i>	108622.00	
<i>LTC Expenses</i>	314799.00	
<i>NPS Contribution of Employee</i>	2880109.00	
<i>NPS Contribution of NITRR</i>	2880109.00	
ESTATE OFFICE EXPENSES (MAINTENANCE EXP)	3256477.00	
<i>Cleaning Expenses</i>	120349.00	
<i>Gardning and Horticulture</i>	31583.00	
<i>Repair & Maintainance to College Building</i>	787140.00	
<i>Repair & Maintainance to Furniture</i>	36980.00	
<i>Repair & Maintainance to Hostel Building</i>	961384.00	
<i>Repair & Maintainance to Staff Quarter</i>	177138.00	
<i>Repair Maint Electrical</i>	1138591.00	
<i>Repair & Maintenance Guest House</i>	3312.00	
HOSTEL EXPENSES	873214.00	
<i>Hostel Electricity Exp</i>	850250.00	
<i>Hostel Miantenance</i>	22964.00	
LIBRARY EXPENSES	276283.00	
<i>Library Expenses</i>	73985.00	
<i>Library Magzines & Books</i>	181898.00	
<i>Library Remuneration</i>	8100.00	
<i>News Paper Expenses</i>	12300.00	
MEDICAL EXPENSES	860816.00	
<i>Medical Exp & Purchases</i>	125994.00	
<i>Medical Reimbursement</i>	734822.00	
MEETTING AND CONFERENCE EXPENSES	267609.00	
<i>BOG/Finance/Senate Metting Expenses</i>	162151.00	
<i>Other Exp for Seminar / Conferance</i>	105458.00	
STUDENTS FUNCTIONS AND ACTIVITIES	4594067.00	
<i>Annual Functions</i>	1684372.00	
<i>Other Function & Activities</i>	488451.00	
<i>Sports Yoga and Other Activities</i>	437129.00	
<i>Student Safety Insurance</i>	1984115.00	
TESTING AND CONSULTENCY CHARGES	8325580.00	
<i>Testing Remuneration</i>	8325580.00	
TOUR & TRAVELING EXPENSES	1169016.00	
<i>Local Conveyance Exp.</i>	2825.00	
<i>TA and Hotel Expenses</i>	1166191.00	
TRANSPORT EXPENSES	356338.00	

National Institute of Technology Raipur	2011-2012	
Trail Balance	1-Apr-2011 to 31-Mar-2012	
	Closing Balance	
	Debit	Credit
<i>Fuel Charges</i>	142529.00	
<i>Insurance Charges of Vehicle</i>	105468.00	
<i>Vehicle Repair and Maintainance</i>	108341.00	
WATER ELECTRICITY & TELEPHONE CHARGES	8813853.00	
<i>Electricity and Water Charges</i>	8584175.00	
<i>Telephone Charges</i>	229678.00	
<i>Depriciation</i>	17887627.00	
Capital Work in Progress	543994065.00	
<i>Capital Work in Progress</i>	543994065.00	
Direct Income		141057875.00
ADMISSION FEES		124444260.00
<i>Identity Card</i>		346100.00
<i>Institute Magzine Fee</i>		346100.00
<i>Insurance Fee</i>		2007380.00
<i>Internet Fees</i>		1038300.00
<i>Library Fees</i>		1730500.00
<i>Main Exam Fee for Academic Year</i>		6420950.00
<i>Registration Fee</i>		865250.00
<i>Sport Fee</i>		865250.00
<i>Training and Placement Fees</i>		865250.00
<i>Tution Fees</i>		109959180.00
INCOME FROM SALE AND SERVICES		16613615.00
<i>Consultancy Fees (IRG)</i>		14277478.00
<i>Tender Form Sale</i>		3000.00
<i>Testing Fees (IRG)</i>		2333137.00
Profit & Loss A/c	85568545.91	
Grand Total	1513178472.27	1513178472.27