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1. Introduction

1.1 Historical Background

National Institute of Technology, Raipur, (previously 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 inauguration 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 – Bombay 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 college 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 Vision

An academic par excellence, fulfilling the needs, aspirations and expectations of society through technological innovations and cultural development in unison with global trends.

1.3 Mission

Imparting education by exercising ethical standards based on human values in promoting technology and human resources to boost socio-economic developments.

1.4 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 Bombay 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 engineering disciplines. The institute offers undergraduate and post graduate academic programs.

The campus is completely planned, one consisting of the main Institute building, six hostel blocks including one separately for girl students, residential quarters for teaching and non-teaching staff, a canteen, a bank, a separate 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 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 at completion stage.

2. Administration

Dr. (Mrs.) S K Pandey	Director
Col.(Retd) G Raja Sekhar	Registrar
Dr. K D Permar	Dean (Academic Affairs)
Dr. K K Sugandhi	Dean (Faculty Welfare)
Dr. M K Verma	Dean (Student Welfare)
Dr A M Rawani	Dean (Research & Consultancy)
Dr. Abir Bandyopadhyay	Dean (Planning & Development)

3. Academic and Other Details

3.1 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

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

Sub DIC Centre Bio informatics

3.2 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 Secondary and 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 upto 5% of marks or 0.5 CGPA can be allowed by Senate for sponsored Candidates with proven research or professional experience.

Method of Selection (M.Tech.)

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.

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. Seven internal candidates have been registered for perusing Ph.D. Degree from 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.

3.3 Admission Statistics

Under Graduate

Departments	Sanctioned Intake	Admissions
Architecture	54	41
Bio-medical Engineering	54	3
Bio –Technology	54	9
Chemical Engineering	54	54
Civil Engineering	67	67
Computer Science and Engineering	82	56
Electrical Engineering	82	82
Electronics & Telecommunication Engineering	82	78
Information Technology	82	80
Mechanical Engineering	82	82
Metallurgical Engineering	82	82
Mining Engineering	68	39
Total	843	673

Post Graduate

Departments	Sanctioned Intake	Admissions
Applied Geology	15	13
Master of Computer Applications	82	65
Civil Engineering	17	10
Chemical Engineering	22	22
Mechanical Engineering	17	13
Electrical Engineering	22	20
Total	175	143

3.4 Summer Training

Following are the Department wise details of the Summer Training Conducted in Various Companies:

Name of the Department	Name of Companies
Bio-Technology and Bio-medical	Reliance Petrochemicals Ltd., National Medical Fertilizers Ltd., Hindustan Insecticides Limited, Rashtriya Chemicals Fertilizers Ltd.
Chemical Engineering	Indian Oil Co. Ltd., Bhilai Steel Plant, HPCL, BPCL, Lafarge Cement, Ambuja Cements, Ultratech Cement, ACC Cement, Hirmi cement, IFFCO, Phulpur, Nova Iron, RPR.
Civil Engineering	Steel Authority of India Ltd., Water resources Dept. NHPC Limited, Larsen & Toubro Limited, SPCL Ltd., Kolkata, Bhilai Steel Plant, Lafarge Cements Works, Steels Authority India., Raipur Steels & Power Ltd., National Thermal Power Co., Ambuja Cements, NTPC Korba, Bhilai Steel Plant, Cements, Ultratech Cements, P.W.D (road and building sub division), Ashok Leyland Ltd., DRDO, Coastal Projects Pvt Ltd., Basf India Ltd., Mackintosh Burn Ltd., Basf India Ltd., Bharat Sanchar Nigam Ltd., Coastal Projects Pvt Ltd.
Computer Science and Engineering	Bharat Sanchar Nigam Ltd., BSNL Raipur.
Electronics and Telecom Engineering	BHEL Bhopal, Nova Iron, RPR, Bharat Sanchar Nigam Ltd., Hindustan Aeronautics Ltd., Shri Bajrang power & Ispat Ltd.
Electrical Engineering	Power Grid Co. of India Ltd., Bharat Sanchar Nigam Ltd., NTPC Korba Seepat Ltd., CSEB, Shri Bajrang Power & Ispat Ltd., Vishakhapatnam Steels, Bhilai Steel Plant, Wagon Repair Shop, IFFCO Phulpur, BHEL Bhopal, Nova Iron RPR, Vishakhapatnam Steel, WRD-Rudri, Dhamtari, Hi-Tech Power & Steel, CSEB.
Information Technology	Doordharshan Kendra Raipur, BSNL.
Mechanical Engineering	IFFCO Phulpur, BHEL-Bhopal, Nova Iron RPR, Vishakhapatnam Steel, Hi-Tech Power & Steel, Steel Authority of India Ltd., NTPC Limited, Bhilai Steel Plant, Shri Bajrang Power & Ispat Ltd., Jaypee Rewa Cement, Lafarge Cements Works, Maruti Udyog Ltd., Wagon Repair Shop, HINDALCO Industries Ltd., Apollo Tyres Ltd, Ashok Leyland Ltd., Basf India Ltd.

3.5 Scholarship Details

Sr.No	Name of Scholarship	Sponsored by	UG / PG	No of Students	Amount Involved
1	Post Metric Scholarship	Tribal Welfare Dept of C. G.	UG / PG	299	7300190
2	Minority Scholarship	Tribal Welfare Dept of C. G.	UG / PG	16	400000
3	M Tech	NIT	PG	32	1225015
4	Other State Scholarship	Other State	UG / PG	85	1896714
Total				432	10821919

3.6 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.

3.7 Result Statistics

1st Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	46	27	19	58.70
2	Bio Medical Engineering	22	4	18	18.18
3	Bio Technology	24	7	17	29.17
4	Chemical Engineering	73	47	26	64.38
5	Civil Engineering	86	52	34	60.47
6	Computer Science & Engineering	86	61	25	70.93
7	Electrical Engineering	97	74	23	76.29
8	Electronics & Tele. Engineering	91	68	23	74.73
9	Information Tech	90	56	34	62.22
10	Mechanical Engineering	91	66	25	72.53
11	Metallurgy Engineering	82	51	31	62.20
12	Mining Engineering	69	29	40	42.03

2nd Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	47	28	19	59.57
2	Bio Medical Engineering	16	2	14	12.50
3	Bio Technology	21	9	12	42.86
4	Chemical Engineering	67	40	27	59.70
5	Civil Engineering	80	48	32	60.00
6	Computer Science & Engineering	91	59	32	64.84
7	Electrical Engineering	96	65	31	67.71
8	Electronics & Tele. Engineering	85	64	21	75.29
9	Information Tech	90	53	37	58.89
10	Mechanical Engineering	92	69	23	75.00
11	Metallurgy Engineering	86	58	28	67.44
12	Mining Engineering	68	30	38	44.12

3rd Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	51	38	13	74.51
2	Bio Medical Engineering	26	8	18	30.77
3	Bio Technology	32	17	15	53.13
4	Chemical Engineering	59	35	24	59.32
5	Civil Engineering	75	52	23	69.33
6	Computer Science & Engineering	83	61	22	73.49
7	Electrical Engineering	77	55	22	71.43
8	Electronics & Tele. Engineering	75	47	28	62.67
9	Information Tech	64	39	25	60.94
10	Mechanical Engineering	82	68	14	82.93
11	Metallurgy Engineering	74	50	24	67.57
12	Mining Engineering	67	32	35	47.76

4th Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	47	27	20	57.45
2	Bio Medical Engineering	26	12	14	46.15
3	Bio Technology	37	26	11	70.27
4	Chemical Engineering	57	41	16	71.93
5	Civil Engineering	75	52	23	69.33
6	Computer Science & Engineering	81	64	17	79.01
7	Electrical Engineering	84	53	31	63.10
8	Electronics & Tele. Engineering	78	49	29	62.82
9	Information Tech	64	38	26	59.38
10	Mechanical Engineering	79	62	17	78.48
11	Metallurgy Engineering	73	62	11	84.93
12	Mining Engineering	63	40	23	63.49

5th Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	47	26	21	55.32
2	Bio Medical Engineering	23	15	8	65.22
3	Bio Technology	29	18	11	62.07
4	Chemical Engineering	51	36	15	70.59
5	Civil Engineering	70	39	31	55.71
6	Computer Science & Engineering	66	51	15	77.27
7	Electrical Engineering	67	50	17	74.63
8	Electronics & Tele. Engineering	67	50	17	74.63
9	Information Tech	65	54	11	83.08
10	Mechanical Engineering	66	47	19	71.21
11	Metallurgy Engineering	59	48	11	81.36
12	Mining Engineering	41	19	22	46.34

6th Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	48	27	21	56.25
2	Bio Medical Engineering	29	22	7	75.86
3	Bio Technology	27	22	5	81.48
4	Chemical Engineering	50	37	13	74.00
5	Civil Engineering	70	49	21	70.00
6	Computer Science & Engineering	63	52	11	82.54
7	Electrical Engineering	66	49	17	74.24
8	Electronics & Tele. Engineering	68	57	11	83.82
9	Information Tech	60	49	11	81.67
10	Mechanical Engineering	66	51	15	77.27
11	Metallurgy Engineering	70	56	14	80.00
12	Mining Engineering	44	25	19	56.82

7th Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	44	28	16	63.64
2	Bio Medical Engineering	41	36	5	87.80
3	Bio Technology	26	20	6	76.92
4	Chemical Engineering	38	29	9	76.32
5	Civil Engineering	45	34	11	75.56
6	Computer Science & Engineering	64	47	17	73.44
7	Electrical Engineering	73	58	15	79.45
8	Electronics & Tele. Engineering	71	58	13	81.69
9	Information Tech	74	70	4	94.59
10	Mechanical Engineering	74	59	15	79.73
11	Metallurgy Engineering	73	54	19	73.97
12	Mining Engineering	32	25	7	78.13

8th Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	39	38	1	97.44
2	Bio Medical Engineering	41	38	3	92.68
3	Bio Technology	28	26	2	92.86
4	Chemical Engineering	34	32	2	94.12
5	Civil Engineering	41	36	5	87.80
6	Computer Science & Engineering	67	58	9	86.57
7	Electrical Engineering	67	63	4	94.03
8	Electronics & Tele. Engineering	68	67	1	98.53
9	Information Tech	75	73	2	97.33
10	Mechanical Engineering	74	68	6	91.89
11	Metallurgy Engineering	69	60	9	86.96
12	Mining Engineering	32	27	5	84.38

9th Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	25	24	1	96.00

10th Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Architecture	25	24	1	96.00

Master of Computer Applications

S. No.	Semester	Appeared	Passed	Fail	Passing %
1	I	66	54	12	81.82
2	II	66	58	8	87.88
3	III	59	48	11	81.36
4	IV	57	53	4	92.98
5	V	44	42	2	95.45
6	VI	43	43	0	100.00

M. Tech. 1st Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Chemical Engineering	12	8	4	66.67
2	Civil Engineering	3	2	1	66.67
3	Electrical Engineering	21	15	6	71.43
4	Mechanical Engineering	9	8	1	88.89

M. Tech. 2nd Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Chemical Engineering	10	8	2	80.00
2	Civil Engineering	1	1	0	100.00
3	Electrical Engineering	21	20	1	95.24
4	Mechanical Engineering	9	9	0	100.00

M. Tech. 3rd Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Chemical Engineering	4	4	0	100.00
2	Civil Engineering	4	3	1	75.00
3	Electrical Engineering	Nil	Nil	Nil	Nil
4	Mechanical Engineering	8	8	0	100.00

M. Tech. 4th Semester

S. No.	Branch	Appeared	Passed	Fail	Passing %
1	Chemical Engineering	3	3	0	100.00
2	Civil Engineering	1	1	0	100.00
3	Electrical Engineering	Nil	Nil	Nil	Nil
4	Mechanical Engineering	4	4	0	100.00

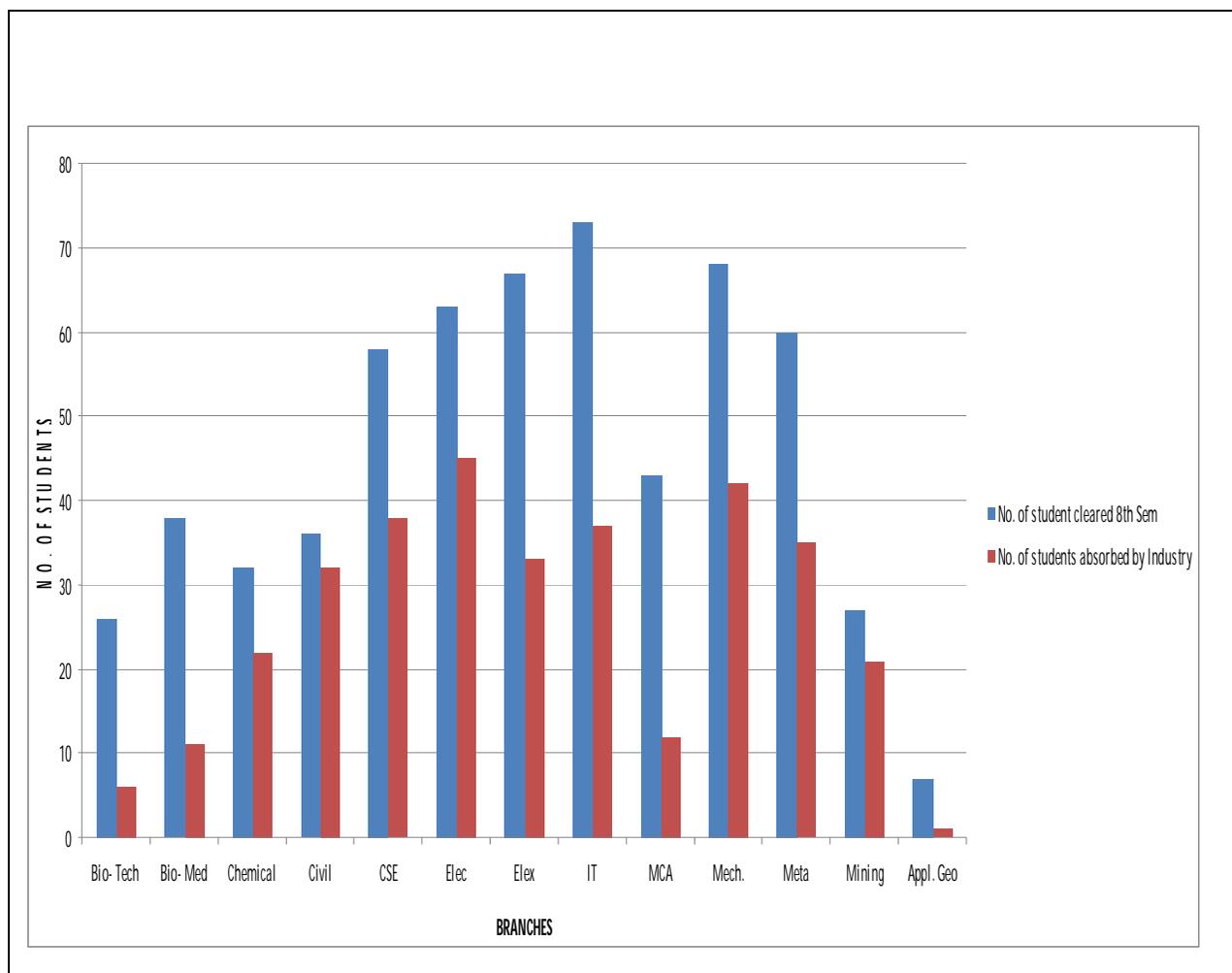
M. Tech. Applied Geology (Yearly Exam)

S. No.	Year	Appeared	Passed	Fail	Passing %
1	1st Year	12	12	0	100.00
2	2nd Year	Nil	Nil	Nil	Nil
3	3rd Year	7	7	0	100.00

3.6 Placement Details

Sl.No.	Name of the Companies	Name of the Branches													Total
		Bio-Tech	Bio-Med	Chem.	Civil	CSE	Electrical	Electronics	IT	MCA	Mech.	Meta.	Mining	Appl. Geo.	
1	IOCL			5	4						3				12
2	Mecon												1		1
3	Vedanta Group											2			2
4	SRF Ltd.										1				1
5	NTPC Ltd.						3				3				6
6	Coal India Ltd.						6				6		16		28
7	Maruti Suzuki Ltd.										5				5
8	Cognizant Technologies	4	9		1	19		12	20	6		2			73
9	Persistent					2			2						4
10	Orient Paper Mills			1			1				1				3
11	Adani Group				2		3	1							6
12	Vedanta Resources			3			3	1			2	6			15
13	TATA Steel					1	1	2							4
14	MU-SIGMA					2	1		1						4
15	Akash Institute	2	2			1		3	1		1				10
16	TATA Motors Ltd.						1				1				2
17	TATA Teleservices Ltd.							1							1
18	Jaiswal Neco				1						1	1	1		4
19	L & T ECC.				2						1				3
20	CCCL INDIA				1										1
21	Gujarat Guardian						1					1			2
22	Escort Ltd.						1		2		4				7
23	Belzabar Software								1						1
24	Adhunik				4		6	6							16
25	DRDO					1									1
26	ESSAR Group										2	6			8
27	TATA Power Co. Ltd.						8								8
28	Punj Lloyd				2						2				4
29	Shapoorji Pallonji & Co. Ltd.				4										4
30	Birla Soft					1			3	3					7
31	WIPRO Infrastructure										1				1
32	HPCL Ltd.						2	1			2				5
33	HCC				9										9
34	TATA AUTOCOMP			3			2				2				7
35	IBM Pvt Ltd.					5		2	3	2					12
36	Lafarge Cement Pvt. Ltd.			4							1				5
37	Bhushan Steel Ltd.			6			1				1	10			18

38	INDU Project Ltd.				2										2
39	NMDC						1				2				3
40	Bharati Infratel Ltd.						4								4
41	CSC(Computer Science Co.)				5		1	1							7
42	ISM LTD.										4				4
43	BEL (Bharat Electronics Ltd.)				1		2								3
44	Surya Roshini										2				2
45	Fiserv.						1	2	1						4
46	HCL(Hindustan Copper Ltd.)											2			2
47	Escorts Ltd.										3				3
48	Dena Bank								1						1
Total		6	11	22	32	38	45	33	37	12	42	35	21	1	335



4. DETAILS OF DEPARTMENTS & OTHER ACTIVITIES

4.1 Staff and Other Details

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. & Doctoral)

(1) M.Tech. III (Batch I)

No. of M.Tech. Scholar: Total 03 Students

Title of Thesis

Method of Hydrocarbon Exploration activity in Cambay basin, Gujarat

(2) M.Tech. III (Batch II)

No of M.Tech Scholar: Total 04 students

Title of Thesis:

A study of Lead-Zinc Deposit of Rampura Agucha Mine District Bhilwara, Rajasthan.

(3) M.Tech. I

No of M.Tech Scholar : Total 12 Students

Title of Thesis

A Report on Geological Mapping in and around Rajadevri, District Mahasamund (C.G)

(V) Laurels & Distinctions:

1. Dr. Prabhat Diwan was conferred with Shiksha Ratan Award for 2009-2010 by India International Friendship Society, New Delhi.
2. Doctoral (Ph.D) degree in Applied Geology (Faculty of Engineering) awarded to Dr. Neeraj Vishwakarma (Assistant Professor) under the supervision of Dr. H.Thomas from Dr. Hari Singh Gour Vishwavidyalaya Sagar (M.P.) on 06.11.2009.

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DEPARTMENT OF APPLIED MECHANICS

Shri Rahul Salhotra	HOD & Associate Professor (Mechanical Engineering)	M.Tech. (Thermal)
Shri Satish Kumar Dewangan	Assistant Professor	M.Tech. (Fluids)
Dr.Nitin kumar Jain	Assistant Professor	M.Tech, PhD(Stress Analysis)

Seminar / Workshops / Conferences / Symposia / Shortterm Courses/ Organised / Attended:

1. A research paper entitled “Analysis of Stress Concentration and Deflection in Isotropic and Orthotropic Rectangular Plates with Central Circular Hole under Transverse Static Loading” has been published in the ICAMME 2009: International Conference on Applied Mechanics and Mechanical Engineering, Bangkok, Thailand, December 25-27, 2009 by Dr.Nitin Kumar Jain.
2. A research paper entitled “Three Dimensional Stress Concentration Factor in Isotropic and Orthotropic Plates” has been presented and published in the International Conference on Frontiers in Mechanical Engineering (FIME -2010), NITK, Surathkal, Karnataka, INDIA (May 20-22, 2010) by Dr. Nitin Kumar Jain.

Any other Activities:

1. CFD facility was brought up by the Department. ANSYS CFD 12.1 as well as related hardware was procured.
2. Experimental stress analysis facility is in process.

DEPARTMENT OF ARCHITECTURE

Dr. Abir Bandyopadhyay	HOD & Associate Professor	B.Arch., Masters in Planning (Specialization in Urban Planning), Ph.D.
Shri. Debasis Sanyal	Associate Professor	B.Arch., M.Arch.
Mrs. Swasti Sthapak	Associate Professor	B.Arch.
Shri Himanshu Poptani	Assistant Professor	B.Arch., M.Arch.

Laurels & Distinctions :

- Himanshu Poptani awarded with certificate for being the Team Guide of Mr. Abhinay Sharma (Student Vth Semester, department of Architecture) winner in Birla White Yuva Ratna Awards 2009 in the Global Knowledge Centre Category.

Seminars/Workshops/Conferences/Symposia/Short-term Courses/Attended:

- D. Sanyal attended Business meet on renewable energy & energy efficiency, CREDA, Raipur, 31.01.2009
- Dr. Abir Bandyopadhyay attended Emerging issues in Architecture and planning 14.07.2008 - 19.07.2008 VNIT Nagpur Sponsored by AICTE.
- Dr. Abir Bandyopadhyay attended Sustainable Strategies for Green Architecture 01.09.2009 - 12.09.2009 MANIT Bhopal Sponsored by MHRD and AICTE.
- Mrs. Swasti Sthapak attended Workshop on Advanced Research Methodology and Computer Applications in Social Sciences Bilaspur, GGU Bilaspur 23rd -24th Feb 2008.
- Mrs. Swasti Sthapak attended National Conference on Emerging Trends in Civil Engineering for infrastructure Development Raipur NITRR 15th -16th Feb 2008.
- Mrs. Swasti Sthapak attended Seminar on Durability concrete and Role of Blended Cements. NITRR 29th March 2009.
- Himanshu Poptani successfully participated in the QIP Short Term Course sponsored by AICTE on “GREEN ARCHITECTURE AND CARBON-FREE LIVING” offered by the Department of Architecture and Regional Planning, Indian Institute of Technology, Kharagpur during December 18-24, 2009.
- Himanshu Poptani Successfully attended Teacher’s Training Programme on “HISTORY OF COLONIAL ARCHITECTURE OF INDIA” organized by NIASA (National Institute of Advanced Studies in Architecture) from 15th February to 19th February 2010.
- Himanshu Poptani successfully attended Programme on Management of Hazardous Waste sponsored by M.O.E.F, Govt. of India on 21-22 Aug 2009 held at NIT Raipur.

Research Paper Presentation (India):

- D.Sanyal, IDENTIFYING MAJOR DEVELOPMENT STRATEGIES FOR ECO-CITY IN INDIAN CONTEXT, 10th International Congress of Asian Planning Schools Association on Future of Asian Cities, Ahmedabad, 26.11.2009, pp10.
- Dr. Abir Bandyopadhyay published paper titled “Conserving Conservation – Issues and proposals” in ABACUS (ISSN: 0973-8339) Spring 2009, Vol.4 pages 89-94
- Dr. Abir Bandyopadhyay presented a paper titled “Nano-Architecture_ the synthetics of High-tech Material and Architecture” at National Conference on High-Tech Materials Synthesis, Characterization and Applications held at DIMAT Institute, Raipur (India) on 15.12.09.

Other Research Activities:

- D.Sanyal, Expert Reviewer, Energy the International Journal, Elsevier, USA, 2009-2010.
- D.Sanyal, Expert Member, Building Committee, Pt. Ravishankar Shukla University, Raipur, 2010.
- D.Sanyal, Expert Reviewer, Intelligent Buildings International, Earthscan, UK, 2009-2010.
- D.Sanyal, Expert Reviewer, Energy & Buildings, Elsevier, USA, 2009-2010.
- D.Sanyal Expert Reviewer, Cities, Elsevier, USA, 2009-2010.
- D.Sanyal Expert Reviewer, Solar Energy, Elsevier, USA, 2009.
- D.Sanyal Expert Reviewer, World Development, Elsevier, USA, 2009.
- D.Sanyal Expert Reviewer, Progress in Planning, Elsevier, USA, 2009-2010.
- D.Sanyal Expert Reviewer, Automation in Construction, Elsevier, USA, 2009-2010.
- D.Sanyal Expert Reviewer, Building & Environment, Elsevier, USA, 2009-2010.
- D.Sanyal Expert Reviewer, Habitat International, Elsevier, USA, 2009.
- D.Sanyal, Member, Task Group 77, International Council for Research and Innovation in Building and Construction (CIB), 2010.
- Dr. Abir Bandyopadhyay is guiding for PhD course of one candidate in NIT Raipur and three candidates in VNIT Nagpur.
- Dr. Abir Bandyopadhyay was appointed as Dean of Development & Planning, NIT Raipur.
- Dr. Abir Bandyopadhyay was appointed as an external Examiner for B.Arch. Thesis viva-voce Exam at IIT Kharagpur.
- Dr. Abir Bandyopadhyay was a member of the Works Committee to inspect the construction work of new 800 seated hostel, building for Bio-Medical and Bio-Technology Departments, Central Library, Boundary Wall etc. (Order No.886/NITRR/Institutional Development/2008 Raipur dated 21.05.2008.)

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DEPARTMENT OF BIOMEDICAL ENGINEERING

Mr Bidyut Mazumdar

HOD & Associate Professor
(Chemical Engg.)

M.Tech., MBA

Mr Bikesh Kumar Singh

Assistant Professor

B.E., M.Tech.

Research & Development:

- **Research Papers**

S.No.	Research Papers	Conference/Proceedings	Date
1.	Comparison of Histogram & Spatiogram for content Based Retrieval of Remote Sensing Images.	Proceedings of International Conference in Recent Trends in Business Administration & Information Processing pp 152-156,2010, Trivandrum Kerala, India Published by Springer LNCS CCIS & Listed in Springer Digital Library.	March 26,2010
2.	Retrieval of MRI Images Using Color & Spectral Features.	Proceeding of National Conference, Technologia 2010, Bhilai, C.G (India).	February 24 th 2010
3.	Smart Nanostructural Nano- Materials in the Future Clinical Diagnosis & Medical Therapeutics.	Proceedings of National Conference, Technologia 2010, Bhilai, C.G (India)	February 24 th 2010
4.	Content Retrieval of Biomedical Images Using Color Histograms.	Proceedings of International Conference on Nanotechnology & Biosensors, ICNB 2010, Visakhapatnam (A.P), India	January 20 th 2010
5.	Nanofabrication in Nanomedicine and Nanobiotechnology for Future Molecular Scale Devices	Proceedings of International Conference on Nanotechnology & Biosensors, ICNB 2010, Visakhapatnam (A.P), India	January 20 th ,2010
6.	Fusing Speech with Fingerprint & Palmprint for Person Identification.	Proceedings of the International Symposium "Frontiers of Research on Speech & Music" FRSM 2009, Organised by ITC Sangeet & Research Academy, Kolkata (India), at ABV IITM, Gwalior, (India), pp 09-13.	December 15 th , 2009

- **Projects**

S.NO.	Project Title
1	Wireless Electrocardiogram
2	Digital Pulmonary Function Test
3	Electrooculography based navigational Systems
4	Myoelectric Arm Prototype
5	Automated drug delivery system

Laurels & Distinctions:

1. Mr. B. K. Singh & Mr. Bidyut Mazumdar received Best Paper Award in international conference on Nano technology & Biosensors organized by International Accreditation Council of Quality Education & Research (IACQER) at Raghu Engineering College, Vishakhapatnam. (January 2010)
2. Mr. B.K. Singh chaired a session at International Conference on Business administration & Information Processing (BAIP 2010) organized by ACEEE & Springer at Trivandrum, Kerala. (March 2010)

Seminars/Workshop/Conferences/Symposia/Short term Courses/ Organized/ Attended :

1. Mr. B.K.Singh attended workshop on “Digital Image Processing”, at MPC CET, Bhilai. (February 2010)
2. Mr. B.K.Singh attended international conference on Nanotechnology & Biosensors organized by IACQER, Vishakhapatnam. (January 2010).
3. Mr. B. K.Singh attended international conference on Business administration & Information Processing (BAIP 2010), Trivandrum, Kerala. (March 2010)

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DEPARTMENT OF BIO TECHNOLOGY

Mr. Bidyut Mazumdar	HOD & Associate Professor (Chemical Engg.)	M. Tech., MBA
Dr. Lata S. B. Upadhyay	Assistant Professor	M. Sc., Ph. D.
Dr. Pratima Gupta	Assistant Professor	M. Sc., Ph. D.

Research and Development:

B.Tech. Project

Study of exo-polysaccharide secreting bacteria.

Isolation and characterization of halophilic bacteria for desalination.

Characterization of papain from *Carica papaya* and its application in bio-treatment.

Production and immobilization of an extra cellular thermo stable alpha amylase by *Bacillus subtilis* isolated from moist wood bark scrapings.

In vitro evaluation of *Catharanthus roseus* extracts against gram positive and gram negative bacteria.

Production of pectinase under varying conditions from different agro residues by submerged and solid state fermentation.

Study of screening of different carbon and nitrogen sources on production of alkaline protease from *Bacillus subtilis*.

Study of differential growth of *Escherichia coli* for food preservation.

Laurels and Distinctions:

1. Sasmita Mandal and Shraddha Paliwal of VIth Sem achieved second position in Techfest NIT, Rourkela in the paper presentation entitle “Waste Management teaching it up !!!
2. Sasmita Mandal, Subha Nayak and Shraddha Paliwal of VIth Sem achieved prize in Techfest of NIT, Rourkela in the paper presentation entile “ Green Village”.
3. Megha Aggrawal and Varun Madnani of IVth Sem achieved second prize in paper presentation in National Conference entitled Technologia 2010 organised by MPC CET Bhilai.

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised / Attended:

1. Participated in “Induction training programme” conducted by National Institute of Technical Teacher’s Training and Research, Bhopal from 08.06.2009 to 20.06.2009.
2. Attended a “Seminar” on Management of Hazardous Waste conducted by HRD Foundation in association with N.I.T, Raipur on 21.08.2009 to 22.08.2009.
3. Participated in “ Soft Skill workshop” Conducted by Infosys at National Institute of Technology, Raipur from 28.08.2009 to 30.08.2009.
4. Participated and attended “National Symposium on Reaction Engineering” conducted by Department of Chemical Engineering, N.I.T. Raipur on 22.01.2010
5. Presented a paper and participated in International Conference ICBHF 2010 conducted by Department of Biochemistry, B.H.U. Varanasi from 17.02.2010 to 20.02.2010.
6. Participated and presented paper in National conference on Computational Biology (NCCB - 2009) organized by Department of Computer Science and Technology, ITER Bhubneshwar on 29-30th Dec. 2009.
7. Participated and presented paper in National Conference entitled Bio prospecting-Access to Sustainable development organized by Department of Applied Mechanics (Biotechnology), MNNIT, Allahabad on 18-19th Feb 2010.
8. Participated and presented paper in National Seminar on Current Trends in material Sciences organized by Department of Physics, Bhilai Mahila Maha Vidyalaya on 5-6th Feb 2010.
Participated and presented paper in National Conference entitled Technologia 2010 organized by MPC CET Bhilai.
- 9.

Any Other Activities:

Faculty members were in the organizing committee in “ National Symposium on Reaction Engineering” conducted by Department of Chemical Engineering, N.I.T., Raipur during 22.01.2010 to 23.01.2010.

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DEPARTMENT OF CHEMICAL ENGINEERING

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

RESEARCH AND DEVELOPMENT :

Title Of Project: Intensification of downstream processing and citric acid using process intensification method (reactive extraction)

Name of Project Investigator –

- (1) Dr. Amit Keshav (2) Dr. (Mrs.) A.B.Soni

Thesis (M.Tech. and Doctoral)

M. Tech. Thesis

S.No	Name of Scholar	Thesis Title	Name Guide	Remark
1	Rumi Dutta	Synthesis, characterization of some Metal Phthalcyanine.	Dr.P.K.Choudhari	Degree awarded
2	Vishnu Prajapati	Waste water treatment of Distillery Industry.	Dr.P.K.Choudhari	Degree awarded
3	Preeti Minj	Based on Adsorption.	Mr.V.K.Singh	Thesis submitted
4	Saurabh Meshram	Recovery of dye from waste Water and utilization.	Dr.(Mrs.) A.B.Soni	Thesis Submitted
5	Divya Raheja	Based on Extraction	Dr.Amit Keshav	On Going

Doctoral

Following candidate have been registered for Ph D program in the Department.

- (1) Mrs. Pooja V.Srivastava
- (2) Mr. Om Prakash Sahu.
- (3) Mr. Bidtyut Mazumdar

Laurels and Distinctions:

- (1) Ph.D. Degree awarded to faculty Mr.Amit Keshav.
- (2) Award “ Rashtriya Shiksha Ratan Puraskar” to H.O.D., Dr.(Mrs.)A.B.Soni.
- (3) Award “ Best citizens of India” to H.O.D., Dr.(Mrs.) A.B.Soni.

Seminars/Workshops/Conferences/Symposia/Short term Courses/ Organised/ Attended/Organized

The department organized National Symposium on Reaction Engg – “NSRE 10” On 22-33 Jan 10.

Attended by Faculty

1. Indian chemical Engineering Congress -2009. The India Institute & Chemical Engineering 27th -30th Dec. 09 by **Dr. Amit Keshav**.
2. Two days workshop attended by Dr. (Mrs.) A.B.Soni & Mr.V.K. Singh at NIT, Raipur In 19-20 Aug.09

Short Term Course

Induction training programme NIT Raipur June 08-20, 2009 by Dr. Amit Keshav.

• Any Other Activities:

- The faculty published many technical papers in National/international, Journal/ Seminar/Conferences.
- Guest lecture for the students are arranged at the department by the alumni of the department.
- Chemical engineering student association was formed and students participated very Actively in various interdepartmental and intra NIT activities.

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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.
Dr. Raj Kumar Singh	Assistant Professor	M.Sc, Ph.D.

Thesis (Doctoral)

Name of Scholar:

1.Mrs. Sonalika Agrawal.

Title of Thesis: Synthesis of Few Organic Compounds for Various Analytical Applications.

2.Mr. S.Ganesh

Title of Thesis: Evolvement of advanced Methods of Analysis for Spent Nuclear Fuel Reprocessing in India.

3.Mr. Shashikant Tiwari

4.Mrs. Kabita Satapathy

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised / Attended :

1. S.P. Mahapatra, D.K. Tripathy and S.K.Pandey, Jan 15-17, 2010
Electrical Properties of Microcellular EPDM Rubber Vulcanizates: Effect of Conductive Carbon Black and Blowing Agent, International Conference, ICPPC, IL 194, p 181, MG Univ., Kottayam, Kerala.
2. F.Khan, S.Agrawal and S.Ganesh, Mechanism of Ceric Oxidation of Benzo Hydroxamic Acid in different Acidic Medium, NSRE, N.I.T, Raipur. Jan 22- 23, 2010
3. T.Arfin, F.Khan, F.Jabeen and Rafiuddin, Transport studies with organic-inorganic membrane by sol-gel method, NSRE, N.I.T Raipur. Jan 22 -23, 2010
4. N.Bajpai, S.A. Khan and R.S.Kher, The role of Excess water in gelation time of acidic sol-gel polymerization of tetraethosysilane (TEOS), NSRE, N.I.T., Raipur. Jan 22-23, 2010

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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

Research & Development:

1. “Performance of Internal Combustion Engine Using Green fuel” communicated in International Journal of “Research & Reviews in Applied Sciences” by Dr. S.L.Sinha.
2. “Behavior of Cold Jet on Room Cooling With Occupancy” in International Journal of “Research &Reviews in Applied Sciences” by Dr. S.L.Sinha.
3. “Performance of IC Engine Using Alcohol as fuel” communicated in International Journal of Research &Reviews in Applied Sciences by Dr.S.L.Sinha.

Laurels & Distinctions:

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

1. Selected for “Shiksha Rattan Puraskar” by Indian International Friendship Society, New Delhi in December 2009.
2. Chair person/members of various Interview committees of various departments.
3. Conducted Semester Examinations successfully.

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised /Attended :

- Linking Social Network on the web with FOAF organized by CSIT, Durg,Presented by Ms.Neha Luniya.
- Data Portability with SIOC and FOAF organized by M.P.C.C.C.E.T College, Bhilai, Presented by Ms.Neha Luniya.

Short Term Courses:

Topic	Organized by	Attended by
AICTE & MHRD sponsored one week short term course on Multidimensional Data analysis and Data Mining (STC-MDADM-09)	VNIT, Nagpur (M.H)	Mr. Dilip Singh Sisodia
AICTE & MHRD sponsored one week short term course on “Advances in Data Structures” (ADS 09)	SUNIT, SURAT (GUJ)	Mr. Dilip Singh Sisodia

Seminars/Journal/Conference/Special Lecture/Workshop:

An open source frame work for Pre-processing of online software Buy Repository” organized by CIIT international Journal of Data Mining & Knowledge, attended by Mr. Naresh Kumar Nagwani & Dr. Shrish Verma	2010
“ Predictive Data mining model for software Bug Estimation Using Average Weighted Similarity” organized by IEEE 2 nd Interna conference on Advance computing (IACC 2010), Thapar University, Patiala, attended by Mr. Naresh Kumar Nagwani &Dr. Shirish Verma	Feb, 2010
“ An investigation of the effect of discretization on defect Prediction Using static measures” organized by International Conference on Advances in computing, control & Telecomm-unication Technologies attended by Mr. Pradeep Singh & Dr. Shirish Verma	2009
‘Advanced trends in Software Technolgoies” organized by RSS Engg. College, Hyderabad (Formerly St. Stanley Engg. College) Attended By Mr Venkatraman. S	

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DEPARTMENT OF CIVIL ENGINEERING

S.NO	Name of Faculty	Designation	Qualification
	Dr. M.K.Verma	Professor	Ph.D., M.Tech., B.E.
	Dr. R. K. Tripathi	Head & Associate Professor	Ph.D., M.Tech., B.E.
	Dr. Samir Bajpai	Associate Professor	Ph.D., M.Tech., B.E.
	Dr. U. K. Dewangan	Associate Professor	Ph.D.,M.Tech., B.E.
	Dr. G. D Ramtekkar	Associate Professor	Ph.D., M.E., B.E.
	Shri Ajay Vikram Ahirwar	Assistant Professor	M. Tech, B.E.
	Mr. Laxmikant Yadu	Assistant Professor	M.E.,B.E
	Mr. Shirish V. Deo	Assistant Professor	M.E., B.E
	Dr. (Mrs.) C.P. Devatha	Assistant Professor	Ph.D., M.E., B.E.

Research & Development

Dr. Rajesh Kumar Tripathi

1. Research Project on “Improving soft subgrade for the construction of low volume roads using locally available marginal materials” submitted to CGCOST.
2. Research Project on “Improving soft subgrade for the construction of low volume roads using locally available marginal materials” submitted to D.S.T.New Delhi.
3. Published two research papers in International Journals.

Dr. M.K.Verma

1. International Journals/Database 11 Papers.
2. National Journals: 12 Papers.
3. International Conferences 10 Papers.
4. Title of Project Sub-DIC Bioinformatics Centre.

Dr. Samir Bajpai

1. “AICTE-TAPTEC Research Project on Air pollution monitoring in Chhattisgarh.

Dr.G.D.Ramtekkar

1. Ramtekkar G.D.and Desai, Y.M(2009). On free edge effects and delamination of composite laminates using mixed finite element model. Journal of Plastics & Composites, 28 (3) 317-342.
2. Ramtekkar G.D.(2009) Free vibration of delaminated beams using mixed finite element model. Journal of Sound & Vibrations 2009.
3. Dewangan N.P. Ramtekkar G.D, and Kureshi, M.F.,(2009). Fuzzy modeling of seismic wave propagation I Semi-infinite body referring Rayleigh waves and development of Fuzzy rule base. AMSE Journal-2009.

Dr. U.K. Dewangan

1. Damage detection & health monitoring of structures.
2. Scholar Name: Mr.Tarun Diwakriti Title: Earthquake & retrofit response of a framed building.
3. Scholar Name: M.K.Tiwari Title: Waste water treatment.

Dr.(Mrs).C.P.Devatha

1. Awarded Ph.D from IIT-Roorkee in February 2010.
2. Journal paper entitled “Analysis of flow pattern hill and lake” published in ARPN (Asian Research Publishing Network) Journal of Engineering and Applied Sciences, Vol.4, No.4. May 2009.
3. Journal paper entitled “Regional flood frequency analysis for upper Mahanadi basin using L-moments approach” submitted in July 2010. Journal of Hydrology, Elsevier publications.

Mr. Laxmikant Yadu

1. Submitted Projects: Chhattisgarh Council of Science and Technology, Title Improving soft subgrades for the construction of low volume roads using locally available marginal materials.
2. Submitted Projects: Department of Science and Technology, Title: Improving soft sub grades for the construction of low volume roads using locally available marginal materials.

Thesis (M.Tech. & Doctoral)

Dr. Rajesh K.Tripathi

1. Bhujrang Sai (M.Tech) Title: Application of Bivariate Thomos-fiering Model for monthly stream flow generation in Mahanadi Reservoir project complex.

Dr.M.K.Verma

1. In-Silico Identification of the Novel Compound Inhibitor Against Matrix-Metallopeptidase-9 (Homosapiens),2009, Asha Jyoti Das (M.Sc).
2. Application of Bivariate Thomos-Fierring Model for monthly stream flow generation in the Mahanadi Reservoir Project Complex, 2010, Bhujrang Sai (M.Tech).
3. Computational Approach for analyzing osteoporosis and its docking study, 2010, Sangeeta Dwivedi (M.Sc)
4. Insilico approach for the analysis of inhibitory activity of Amandazole and Ivermectin analogues against Filariasis, 2010, Badrinath Viswakarma (M.Sc).

Dr. G.D.Ramtekkar

1. Mr.R.P Hardaha (M.Tech)Title:- Utilization of stone dust as a substitute of sand in cement concrete mix.

Laurels & Distinctions

Dr. Rajesh K. Tripathi

1. Conferred with Shiksha Ratna Award for 2009-10 by India - International Friendship Society, New Delhi.

Dr. U.K.Dewangan

1. 5 papers in National and International Conferences.
2. 1 paper in International Journal.

Dr.(Mrs) C.P.Devatha

1. SRM University outstanding Alumnus Award has been awarded during the Silver Jubilee alumni Reunion of SRM University on 06th June,2010 at SRM University, Kattankulathur, Tamil Nadu, India.

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised / Attended:

Dr. Rajesh K. Tripathi

1. Organised Training Program on Earthquake resistant Design from 3rd to 7th May 2010 for practicing Civil Engineers under NPCBEERM.

Dr.Samir Bajpai:

1. Organised two days workshop cum training programme on “Management of Hazardous Waste” on 21st and 22nd August 2009.
2. Delivered Key-note speech on “Engineering solutions to combat climate change” on the occasion of 42nd Engineers Day at the Chhattisgarh State centre of institution of Engineers (India) on 18th September 2009.
3. Attended short term course on Environmental Statistics, College of Engineering Pune, January 13 to 17, 2009.

Dr.G.D.Ramtekkar

1. Presented Special lecture in workshop “National Program for capacity building engineers in earthquake risk management” at Dept of Civil Engg, NIT Raipur held during 3rd to 7th May, 2010.

Dr. U.K. Dewangan

1. Presented Special lecture in Workshop “National Program for capacity building enginners in earthquake risk management “at Dept. of Civil Engg, NIT Raipur held during 3rd to 7th May, 2010.
2. Attended one month workshop “National Program for capacity building engineers in earthquake risk management” at Dept of Civil Engg, IIT Kharagpur held during May to June 2009.

Dr. (Mrs)C.P.Devatha

1. National Program for capacity Building of Engineering in Earthquake risk Management at Civil Engg Dept.NIT Raipur. Presented Special Lecture 3rd to 7th May 2010.
2. Devatha Thalla and Arun Kumar Thalla (2009) “ Regional Flood Frequency Analysis for upper Narmada Basin-A case study” has been accepted for International Conference conducted by EWR (ASCE) 3rd International Perspective on current and future state of water resource and environment, IIT Chennai, Indian, during Jan 5-7,2010.
3. Attended 3 days workshop on soft skills Development by Infosys at NIT Raipur campus during August, 2009.

Mr. Laxmikant Yadu

1. National Program for capacity Building of Engineering in Earthquake risk Management at Civil Engg Dept. NIT Raipur. Presented Special Lecture 3rd to 7th May 2010.
2. National Program for capacity in Earthquake risk Management at Civil Engg Dept. NIT Raipur, Presented Special Lecture 3rd to 7th May 2010.
3. Submitted a paper entitled “Laboratory Performance evaluation of stabilization of black cotton soil with rice husk ash” at ASCE International Conference “GEO-FRONTIERS 2011” 13-16 March Dallas, Texas, USA.
4. Submitted a paper entitled “Characterization of fine grained subgrade soils for pavement design” at International conference on Development of Road Transportation, 8th-10th October, Dept. of Civil Engg. National Institute of Technology, Rourkela Orissa, India.

Mr. Shirish V Deo

2. National Program for Capacity Building of Engineers in Earthquake risk Management at Civil Engg Dept, NIT Raipur, presented Special Lecture 3rd to 7th May 2010.

Mr. Ajay Vikram Ahirwar

1. Delivered Lecture on two days workshop cum training program on “Management of Hazardous Waste” on 21st and 22nd August 2009.
2. National Program for Capacity Building of Engineers in Earthquake risk Management at Civil Engg Dept, NIT Raipur, Presented Special Lecture 3rd to 7th May 2010.
3. Attended training Programme on “National program for Capacity Building of Engineers in Earthquake risk Management” at Civil Engg Dept, NIT Raipur, held during 3rd to 7th May 2010.

Any Other Activity

Dr. Rajesh Tripathi :

- More than 50 no of testing and Consultancy work and forensic investigation work.
- Delivered 3 key note address in various conferences and training programs..
- Subject Expert in five Interview boards for selection of A.E., J.E and Asst. Professors.

Dr. Samir Bajpai :

- More than 30 no of testing and Consultancy work.

Dr. G.D.Ramtekkar:

- More than 40 no of Testing and Consultancy work.

Dr. U.K.Dewangan:

- Prof. In charge Vehicle Section, NIT Raipur.
- Prof. In charge Vehicle N.S.S.Unit, NIT Raipur –Tree plantation, blood donation camp.
- Examination Duties like invigilation, paper setting & checking, collator.
- Member building committee.

- Construction supervisor of new Boy's hostel building.
- Construction supervisor of new Girl's hostel building.

Dr.(Mrs). C.P.Devatha

- Prof I/C for Industrial Training.
- Involved in testing and consultancy works.
- Acted as a member of the institute of Technical committee for the session 2009-2010.

Mr. Laxmikant Yadu

- Acted as a member of the Institute of Technical Committee for the session 2009-2010
- Involved in testing and consultancy works.

Mr. Shirish V Deo

- Prof I/C for Estate maintenance.

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DEPARTMENT OF ELECTRICAL ENGINEERING

Dr. K.D.Permar	Professor	B.E. in Electrical Engg., M.Tech, Ph.D. in Electrical Engg.
Dr. A.S.Thoke	Professor	B.E in Electrical Engg., M.Tech. (Power System), Ph.D in Electrical Engg.
Dr. (Mrs) S.Gupta	HOD & Associate Professor	M.Tech(Power System),Ph.D. in Electrical Engg.
Dr.P.D. Dewangan	Associate Professor	B.E. in Electrical Engg. (Hons.)M.Tech. (Integrated Power System)
Mrs. Versha Singh	Assistant Professor	B.E. in Electrical Engg. M.Tech.(Computer Technology)
Dr. (Mrs) Anamika Jain	Assistant Professor	B.E.in Electrical Engg. (Hons.) M.Tech. in integrated Power System (Hons.) Ph.D. in Electrical Engg.
Mr. Suresh Kumar Gawre	Assistant Professor	M.Tech. (Pursuing Ph.D)
Mr. Swanjit Pattnaik	Assistant Professor	M.Tech. (Pursuing Ph.D)
Mr. Narendra Londhe	Assistant Professor	M.Tech. (Pursuing Ph.D)
Mrs. Ebha Koley	Assistant Professor	B.E. in Electrical Engg. M.Tech. in Electric Machines and drives (Hons.)

Research & Development :

International journal publication :- 02 Nos.

National Journal Publication:- 01 Nos.

International Conference Publication:- 03 Nos.

National Conference publication:- 03 Nos.

Accepted in international Journal;- 02 Nos.

1. Anamika Jain, A.S.Thoke, and R.N.Patel, "Classification of single line to ground faults on double circuit transmission line using ANN", International Journal of Computer and Electrical Engineering, IACSIT press, Vol.1 No.2, Jun, 2009, pp-197-203.

2. D.D. Neema, A.S.Thoke and R.N.Patel,"ANN Based Flux and Torque Estimator for Vector Controlled Induction Drive with Dynamic Loading", International Journal of Computer and Electrical Engineering, Vol 1,No.2, June 2009, pp-246-251.
3. D.D. Neema, A.S.Thoke and R.N.Patel,"ANN Based Load Torque Estimator for Vector Controlled Induction Motor", CSVTU Journal, Vol. 2. No.2, July 2009, pp-46-51.
4. Anamika Jain, A.S.Thoke, R.N. Patel and Ebha Koley, "Double phase to ground fault classification and fault distance location of double circuit transmission lines using ANN", paper no. ENCCSP -177, Proceedings of IEEE Bangalore section 18th Annual Symposium on emerging needs of computing, communication, signals and power, Aug.29,2009
5. Anamika Jain,A.S.Thoke and R.N. Patel, "Fault distance location of double circuit transmission line using ANN", paper no. 67,Proceeding of World Congress on Nature and Biologically Inspired Computing (NaBIC'09 conference) at Coimbatore, India, 9-11, December 2009.
6. Anamika Jain, A.S. Thoke, R.N.Patel and Ebha Koley, "Fault Classification and Fault distance location of double circuit transmission lines for phase to phase faults using only one terminal data", paper no. 41, Proceedings of Third International Conference on Power Systems (ICPS 2009) at IIT kharagpur, India, Dec 27-29,
7. Anamika Jain, Vedanta Pradhan, Manikankana Ray, Roshan Singh, Murlidhar Patel and Navneet Sinha, "Modelling and testing of various relays using Matlab/Simulink",Proceedings of a National Conference & Events "Technologia 2010", 24-25th Feb 2010. *Awarded best paper prize.*
8. Anamika Jain,A.S.Thoke and Prarthana Warlyani, "Fault classification of teed transmission circuit using artificial nerural network", Proceedings of a National Conference &Events "Technologia 2010", 24-25th Feb, 2010.
9. Anamika Jain, Ebha Koley, Dr.A.S.Thoke, Soumik Roy,Sunny Vikas, Mitali Sen, Satya Prakash and Somi, "Modelling and simulation of six phase transmission line using Matlab R/Simulink", Proceedings of a National Conference &Events "Technologia 2010", 24-25th Feb, 2010.

10. Anamika Jain,A.S.Thoke, P.K.Modi and R.N.Patel, “Single line to ground fault classification and location of a double circuit transmission line using Artificial Neural Network”, revised paper no. IJPEC-9470 appears in the list of forthcoming papers of Special Issue on: “FACTS Technology Applications in Power System Studies” of International Journal of Power and Energy Conversion,(IJPEC), Inder science publisher.
11. DD Neema, A.S.Thoke and R.N. Patel, “An ANN based rotor flux estimator for vector controlled induction motor drive”, paper accepted for publication in Journal of International Association on Electricity Generation, Transmission and Distribution, Afro Asian Region Journal (AARO).

Thesis (Doctoral) 2 No. Awarded and 1 No.Ph.D thesis submitted.

S.No.	Name of Scholar	Title of Thesis
1.	Mrs.S.Gupta (Awarded Ph.D.in July'09	Power quality assessment using artificial neural network.
2.	Mrs. Anamika Jain (Ph.D. notification issued on 8th Apr 10	Some investigations on application of ANN to Transmission line fault detection, classification and distance location.
3	Mr. D.D.Neema (Thesis Submitted)	Neuro-fuzzy speed control of vector controlled induction motor using ANN

Thesis (M.Tech. Computer Technology):

S.No	Name of Scholar	Title of Thesis
1	Miss Prarthana Walyani	Some Investigations on Application of Artificial Neural Network to Fault Detection, Classification and Distance Location of Teed Transmission Line
2.	Mrs. Abhradita Meshram	Biometric based Human Identification System using Euclidean Distance
3.	Mr. Abhishek Shrivastava	Network Security and desktop monitoring

Laurels & Distinctions :

	Name of faculty	Achievement
1.	Dr. K.D. Permar	“Jewel of India” by Indian solidarity council on 24 th Nov 2009
		‘Rashtriya Vidya Saraswati Puraskar’ by International Institute of Education and Management on 14 th Sep 2009
		“Ratan Jyoti Award” by Indian Organisation for Business Research and Development, New Delhi on 26 th July 2009.
2.	Dr. A.S.Thoke	“Excellent Engineers Award” by Institution of Engineers, Chhattisgarh state Centre, Raipur on 15 th Sep.2009

**Seminar/Workshops/Conferences/Symposia/ Shortterm Courses/
Organised/Attended:-4 Nos.**

	Name of Faculty	Seminar/Workshops/Conferences/Symposia/ Shortterm Courses/ Organised/Attended
1.	Dr. Anamika Jain	Shorterm course of 2 weeks organized by NITTTR, Bhopal attended at NIT, Raipur from 8 th June to 22 nd Jun’ 2009
2.	Mrs. Ebha Koley	
3.	Mrs. Versha Singh	
4.	Dr.Anamika Jain	Attended the National Conference & Events “Technologia 2010”, MPC CET, Bilai on 24-25 th Feb, 2010.
5.	Dr.A.S.Thoke	
6.	Mrs. Ebha Koley	Attended the “Third International Conference on Power Systems (ICPS 2009)” at IIT Kharagpur, India, Dec 27-29, 2009.
		Attended the 18 th Annual Symposium of IEEE Bangalore section on emerging needs of computing, communication, signals and power, Aug. 29,2009

Any other Activities:

1. Dr. K.D. Permar acted as Dean (Academics), Chairman of Selection committee of Professor and Associate Professor of all branch of NIT, Raipur.
2. Dr. A.S.Thoke acted as HOD, Deptt. Of Electrical Engg. Till Oct'09 and Chairman anti ragging committee and Member of Selection committee of Professor of all branch of NIT, Raipur.
3. Dr. (Mrs.) S.Gupta was warden of the PG Girls hostel till Sep'09. Presently working as H.O.D. of Electrical Engineering.
4. P.D. Dewangan:- Prof. I/C railway concessions, estate office (Electrical),Asst.Suptd. CSVTU Exam Nov-Dec 2009, member anti –ragging committee, selection committee of lecturer (Contract)
5. Mrs.Ebha Koley: - Warden of Kanchan Kunj and Nagpure Girls Hostel.
6. Dr.(Mrs.) Anamika Jain:- Member of Selection committee of Associate Professor of all branch of NIT, Raipur and Member of Tender Scrutiny committee of Deptt. Of Electrical Engg. Lab equipments.
7. Dr.(Mrs.) S.Gupta, Mrs.Versha Singh, Mr Narendra Londhe and Mr. Suresh Gawre:- Member of Selection committee of Assistant Professor of Deptt.of Electrical Engg, NIT, Raipur.

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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

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

RESEARCH & DEVELOPMENT

Project Applied:

Applied for “Virtual Laboratories for VLSI & Embedded Systems” under National Mission on Education through ICT (NME-ICT).

RESEARCH PAPERS PUBLISHED

JOURNALS

1. **N.K.Nagwani, S.Verma**, ‘An open Source Framework for Data Preprocessing of On-line Software Bug Repositories’ *CiiT International Journal of Data Mining and Knowledge Sharing*, DOI: DMKE 102009004, October 2009.
2. **N.K. Nagwani, S.Verma**, ‘TARPIN: Discovering Temporal Association Rules Using P-Tree based Incremental Algorithm’, *CiiT International Journal of Data Mining and Knowledge Sharing*, DOI: DMKE 112009003, November 2009.
3. **Bibhudendra Acharya**, Saroj Kumar Panigrahy, Sarat Kumar Patra, and Ganapati Panda, “ Image Encryption Using Advanced Hill Cipher Algorithm”, *International Journal of Recent Trends in Engineering (Computer Science)*, Vol.1, No.1, pp.663-667,2009.
4. **Bibhudendra Acharya**, Sarat Kumar Patra and Ganapati Panda. “Involuntary, Permuted and Reiterative Key Matrix Generation Methods for Hill Cipher System”, *International Journal of Recent Trends in Engineering (Electrical & Electronics)*, Vol.1, No. 4, pp 106-108, 2009.
5. Ratnakar Dash, Bibhudendra Acharya, Rutuparna Panda, and Banshidhar Majhi, “Adaptive B-Spline Filter and Application to Hybrid Echo Cancellation,” *International Journal of Computer Science and Management System (IICSMS)*, Volume 1, Number 1,pp.1-8 June 2009.

Visit abroad by faculty members:

Prof. Bibhudendra Acharya visited Singapore to attend & present the Research paper in International Conference on Advanced Computer Control 2009 (ICACC 2009), January 22-24,2009.

Thesis (M. Tech. & Doctoral)

Name of Scholar: “ Ruchika Kiruwar”

Title of Thesis:

Parallelizing the fractal image compression using Java Parallel Processing Framework (JPPF)

Laurels & Distinctions

Dr.S.Verma Awarded Shiksha Rattan award.

Seminars / Workshops / Conferences / Symposia / ShorttermCourses / Organized/ Attended

Prof. Bibhudendra Acharya attended workshop on “ Hazardous Waste Management” organized at NIT Raipur with co-operation from HRD foundation, India during 21st & 22nd August 2009.

CONFERENCES ATTENDED

1. **V.Dilliwar, S.Verma**, ‘Simplification of Complex Boolean Task on a Grid of COWS (Clusters of Work Stations) Using JPPF’, Procs of National Conference on Recent Developments Computing and its Applications, NCRDCA’ 09 pp 80-89, August 2009.
2. **N.K.Nagwani, S.Verma**, ‘Predictive Data Mining for Software Bug Estimation Using Average weighted Similarity’, IEEE 2nd International Advanced Computing Conference (IACC 2010), Thaper University, Patiala (To Appear).
3. **Pradeep Singh, Shrish Verma**, “An Investigation of the Effect of Discretization on Defect Prediction Using Static Measures”, International Conference on Advances in Computing, Control, and Telecommunication Technologies (Act -2009), Trivandrum, Kerala, India, pp. 837-839, 28-29 December 2009.

“Hands on Workshop on Fedora” for Vth Semester Students of Information Technology from 15th to 18th May 2009.
4. **Bibhudendra Acharya**, Sambit Kumar Shukla, Saroj Kumar Panigrahy, Sarat Kumar Patra, “H-S-X Cryptosystem and Its Application to Image Encryption”, International Conference on Advances in Computing, Control, and Telecommunication Technologies (ACT-2009), Trivandrum, Kerala, India, pp.720-724, 28-29 December 2009.
DOI: <http://doi.ieeecomputersociety.org/10.1109/ACT.2009.183>
5. Bibhudendra Acharya, Debasish Jena, Sarat Kumar Patra and Ganapati Panda, “ Invertible, Involutory and Permutation Matrix Generation Methods for Hill Cipher System”, International Conference on Advanced Computer Control 2009 (ICACC 2009), Singapore, pp.410-414, January 22-24, 2009.
DOI: <http://doi.ieeecomputersociety.org/10.1109/ICACC.2009.101>.
6. Bibhudendra Acharya, Vijay Kumar, Sarat Kumar Patra and Ganapati Panda, “Application of Neural Networks to Intrusion Detection – A Review”, National Conference on Recent advances in Communication Technology (NCRACT), NIT Rourkela, India, pp. 124-129, Jan 30-Feb 1, 2009.

7. Vijay Kumar, Bibhudendra Acharya, Ganapati Panda, Sarat Kumar “A Bandwidth Efficient OFDM System by Channel Impulse Truncation Methods –A Review”, Published in the Proceeding of National Conference on Cutting Edge Computer & Electronics Technologies, College of Engineering G.B. Pant University of Agriculture & Technology, Pantnagar, India, pp. 376-382, 14th -16th Feb 2009.

ACHIEVEMENTS:

Students of E &TC Dept. have selected in national level exams like GATE & CAT with very good positions.

GATE Results of Students of the E &TC Department

S.No.	Name	Rank
1.	Dhirendra Agrawal	AIR 7
2.	Vivek Agarwal	AIR 22
3.	Mayank Ransingh	AIR 29
4.	Harsh Mandar Baghel	AIR 33
5.	Anindya Rai	AIR 80
6.	Harshita Sahu	AIR 91
7.	Saurabh Tiwari	AIR 295
8.	Bikash Behra	AIR 305
9.	Pallavi Raghuwanshi	AIR 466
10.	Ekta Rawat	AIR 487
11.	Vaishali Ahlani	AIR 215
12.	Mahindar Nayanpati	AIR 958
13.	Ankit Modi	AIR 1122
14.	Paavan Phanidra	AIR 1174

MAT Results of Students of the E &TC Department

1.	Chandan Kumar Dash	99.47%
2.	Niketa Narain	98.5% ile (IIM-K,MDI-Gurgaon)
3.	Anurag Agarwal	97.01% ile

XAT Results of Students of the E&TC Department

1.	Chandan Kumar Dash	99.8% ile (XLRI Jamshedpur)
2.	Vaishali Bansal	98.2% ile

GRE Results of Students of the E&TC Department

1.	Himanshu Agrawal	1500 Score
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DEPARTMENT OF HUMANITIES

Dr Jaya Dwivedi	Assistant Professor	M.A., Ph.D.
Dr Anoop Tiwari	Assistant Professor	M.A., Ph.D.

Research and Development Project:

Dr. Anoop Kumar Tiwari :

Developing Software for the semantic and linguistic development of the primary and advanced learners.

Seminars/Workshops/Conferences/Symposia/Short term Courses/Organised/Attended:

1. Dr. Jaya Dwivedi :- 2 National conferences attended & 2 Papers communicated.
1 Workshop attended organised by Infosys.
2 Short Term Courses attended in NITRR, Bhopal & IIT Roorkee.
2. Dr. Anoop Kumar Tiwari :- 1 Workshop attended organised by Infosys.

Any Other Activities :

Dr. Jaya Dwivedi :- Appointed as an expert in English by CSVTU for faculty recruitment for Private Engineering Colleges. Took interviews in 7 Private Engineering Colleges & IT korba for contract faculty. Judged event Dramatics in Raj Kumar collage – published 2 research papers in reputed National Journals – Conducted QIP in English for office staff of NIT, Raipur – Event coordinator of ‘ Radio Mirchi’ in Eclectika 2010.

Dr. Anoop Kumar Tiwari:- Conducted QIP in English for office staff of NIT, Raipur. Event coordinator of ‘radio Mirchi’ in Eclectika -2010.

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DEPARTMENT OF INFORMATION TECHNOLOGY

S.No	Name of Faculty	Designation	Qualification
1.	Dr. Shrish Verma	HOD & Associate Professor (E&T)	M.Tech.,Ph.D.
2	Mr. Sudhakar Pandey	Assistant Professor	M.Tech.
3	Mr. Satya Prakash Sahu	Assistant Professor	M.Tech.
4	Mr. Rakesh Tripathi	Assistant Professor	M.Tech.
5	Mr. Sanjay Kumar	Assistant Professor	M.Tech.
6	Mr. Ravindra Chauhan	Programmer	MCA

Research Papers Published Journals

1. **Pandey Sudhakar**, Shukla Narendra Kumar, “An Optimal Flooding Algorithm for MANET”, International Journal of Engineering studies Volume 1, Number 3(2009), pp 223-227.

Conferences

1. V.Dilliwar, **S.Verma**, ‘Simplification of Complex Boolean Task on a Grid of COWS (Clusters of Work Stations) Using JPPF,’ *Procs of National Conference on Recent Developments Computing and its Applications, NCRDCA’ 09, pp. 80-89, August 2009.*
2. N.K. Nagwani, **S.Verma**, ‘Predictive Data Mining Model for Software Bug Estimation Using Average weighted Similarity’, IEEE 2nd International Advanced Computing, Control, and Telecommunication Technologies (ACT-2009), Trivandrum, Kerala, India, pp 837-839, 28-29 December 2009.
3. “Hands on Workshop on Fedora” for Vth Semester Students of Information Technology from 15th to 18th 2009.
4. **Pandey Sudhakar**, Verma Pushpendr Kumar, “A Reclustering Approach for MANET nodes using gateway nodes movement criteria” Proceeding of Technologia, A National Conference, MPC CET, Bhilai, Chattisgarh, 24-25th Feb 2010.

Title of Thesis

Parallelizing the fractal image compression using Java Parallel Processing Framework (JPPF)

Any other Activities :

GATE Results of Students of the Department:

S.NO	Name	Percentile
1	Ramji Bhai Kalbi	99.4
2	Gunjan Dixit	97
3	Shobhit Sahay	96.03

CAT Results of Students of the Department:

S.No	Name	Percentile
1	Mouli Mukharjee	94
2	Dyti Dawn	92
3	Sneha Pani	92
4	Pratik Gupta	IIM Bangalore Call

MAT Results of Students of the Department:

S.No	Name	Percentile
1	Nishant Agrawal	99.46

C-DAC Results of Students of the Department:

S.No	Name	Percentile
1	Tanay Goyal	100
2	Ramji Bhai Kalbi	94
3	Pranjal Sharma	89

RHCE (RED HAT CERTIFIED ENGINEER) Students of the Department

1. Pankaj Pal
2. Jitenndra Kumar Bhaskar

OPJEM Scholarship

1. Aditaya Tulshan

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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

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised / Attended:

- 1 Dr.Arvind Sinha Participated in the Program- Induction 08.06.2009 – 20.06.2009
. Training Program (Staff Development Program) at
National Institute of Technology Raipur organized by
National Institute of Technical Teachers Training and
Research, Bhopal (NITTTR Bhopal).
Summer Research fellowships for faculty in 2010 by 18th May to 16th July 2010
- 2 Indian Academy of Sciences, Bangalore (Dr. Gorakh
Nath).

Any Other Activities:

Dr.R.P.Pathak worked as Examination Superintendant in Exam April 2009, Dec 2009 and April 2010 in Afternoon Session (U.G and P.G).

Dr.Arvind Sinha worked as Examination Assistant Superintendant in Exam April 2010 in Afternoon Session (U.G and P.G).

Dr. Arvind Sinha worked as In-Charge (Registration) in Central Counselling Board 2010 (AIEE) Admission Process at NIT Raipur.

Two Research Papers of Dr. Gorakh Nath are published in the Journal Physica Scripta, Research Astronomy and Astrophysics, Institute of Physics, U.K. in 2010.

Research Paper of Dr.Gorakh Nath published in 38th COSPAR Scientific Assembly 2010, Berlin Germany 18-25 July 2010.

Research Paper of Dr.Gorakh Nath accepted for presentation in International Congress of Mathematics, Hyderabad, India, during 19-27 August 2010.

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DEPARTMENT OF M C A

Mr. Harendra Bikrol	HOD & Associate Professor	B.E., M.Tech.
Mr. Mithilesh Atulkar	Assistant 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. Kesari Verma	Assistant Professor	M.C.A., Ph.D.

Research & Development:

Title of Project:-

A total No. of 43 students carried out MCA VIth Sem. Industrial project in various industries for duration of six months from January 2010 to June 2010.

Dr. (Mrs) Kesari Verma acquired a research and development project on “Iris Recognition system” having grant of Rs. 1,86,000/-(One Lac Eighty Six Thousand Only) from Chhattisgarh Council of Science and Technology, Raipur (C.G)

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised / Attended:

Mrs. Manju Pandey attended Teacher’s Program organized by NITRR Raipur in month of May 2009, at NIT Raipur.

Mrs. Manju Pandey attended Campus Connect (Seminar) organized by Infosys at NIT Raipur.

Any Other Activities:

This year also NIT Raipur acted as one of the participating institute and NIMCET examination test centre of NIMCET – 09 conducted by MNIT Allahabad.

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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,PG.Dip in English
Dr. Shobha Lata Sinha	Associate Professor	M.E, Ph.D., P.G.Diploma
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.
Shri Surendra Pal Singh Matharu	Associate Professor	B.Tech, M.Tech.(Design)
Shri G.K. Sahu	Lecturer, Selection Grade	M.Tech.
Shri. Ravindra Kuamr Yadav	Lecturer, Selection Grade	M.Tech.
Shri. Suraj Kumar Mukti	Assistant Professor	M.E.
Shri. Vivek Kumar Gaba	Assistant Professor	M.E.
Shri Subhankar Bhowmick	Assistant Professor	M.E.

VISIT ABROAD BY FACULTY MEMBER

Dr. A.M.Rawani

Delivered keynote speech in International Conference on 10-12- Oct 09 at Singapore.
Acted as General chair in International conference in Feb 10 at Singapore.

Dr. S.Sanyal

Paper Presentation in International Conference on Applied Mechanics and Machines, WASET 2009 from 25-27 Dec 2009 at Bangkok on "Detection of Isomorphism amongst Planar Kinematic chains using Link Joint Connectivity Table".

THESIS (DOCTORAL)

Dr. A.M.Rawani

Name of Scholar :

1. Shri J. Tiwari
2. Shri Sailesh Vaidya
3. Shri Deepesh Giri Sharma
4. Shri S.Mukti

Title of Thesis :

- To be decided
To be decided
To be decided
To be decided

Dr. S. Sanyal

Name of Scholar :

01. Shri G.S.Bedi, DTE,CG.

Title of Thesis :

Kinematic Synthesis and Analysis of Mechanisms.' Status – submitted for evaluation to Pandit R.S,S.University, Raipur.

02. Shri S.P.S.Matharu

Investigation on the performances of Rolling Element Bearings for Enhanced life.
Status – Under Progress.

Dr. S.L.Sinha

Name of Scholar (M.Tech.):

- 01.Ms. Disha Dewagan (Persuing)
- 02.Ms.Niharika Saraswat

Title of Thesis :

Solar Energy Utilization
Energy Utisation. Ph.D

Name of Scholar (Ph.D):

- 01.Mr.T.K.Verma
- 02. Mr. S.B Thool
- 03.Mr.D.Sayhare

Title of Thesis :

CFD Application
CFD Application
Catalytic Convention

Dr. Anil Kumar Tiwari

Name of Scholar:

- 01. Aashay Pahade

Title of Thesis:

Techno – Economic Analysis for sustainable use of
solar Energy Through water Heating Application
for Raipur city.

- 02.Balbir Singh

Pollution Through An On-land oil well Drilling Rig
and Proposed canbol Methods in India Scenario.

- 03.Mayank Sharma

Techno Economic Analysis of solar and fuel
Assisted braylon cycle to Run Vapor compression
refrigeration system of various capacity.

Ravindra Kumar Yadav

Name of Scholar (M.Tech.):

- 01. Shekhar Kuamar Bhardwaj

One Project Ongoing-

Title of Thesis:

Study the “Performance of I.C. Engine Using Bio
Diesel.”

Prof.Vivek Kumar Gaba

Name of Scholar:

- 01. Anirban Sur

Title of Thesis:

Thermodynamic Analysis of Cascading Adsorption
Refrigeration System.

- 02. Santosh Dubey

Analysis of Energy Losses to Improve the
Efficiency of Coal –fired Boiler by Using Different
Method.

Laurels & Distinctions:

Dr.A.M.Rawani

Received “Rashtriya Gaurav” Award in 2010.

Honored by Institution of Engineers for valuable contribution in Technical Education in 2009.

Nominated for International Star Award in 2010 by International friendship society.

Dr.Shobha Lata Sinha

Received “Shiksha Rattan Puraskar” by India International Friendship Society.

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised / Attended:

Dr.A.M.Rawani

1. International Conference at Singapore as Keynote speaker on 10-12 Oct 2009
2. International Conference at Singapore as Chair on Feb 2010
3. Workshop at RIT Raipur as Keynote speaker on 3rd Feb 2009

Surendra Pal Singh Matharu

8 weeks of short term courses attended.

Suraj Kumar Mukti

1. Workshop by NITTTR” Induction Training Programme for Engineering College Teacher” at NIT Raipur on 08th-20June 09
2. Training Programme by Infosys Pvt.Ltd. on “Soft skill at NIT Raipur on 28-30Aug 2009

Any Other Activities:

Dr.A.M.Rawani

1. Member of many International Professional Societies.
2. Reviewer of many international Journal and Books from Tata-MC Graw Hills Edu. Pvt. Ltd.

Dr.S.Sanyal

1. Worked as Registrar till 3rd May 2009.
2. Worked as Head of the Department Applied Mechanics till Nov 09.
3. Working as Head of the Department Mechanical Engineering from Nov 09.
4. Member of Senate, chairman Board of Studies.
5. Expert member, Board of studies, ITGGU, Guru.Ghas.Univ. Bilaspur.
6. Prof. I/c Institute Music club Raga- Started Music club in the Institute.
7. Chairman, website committee – Maintaining Institutes website.

Dr.Shobha Lata Sinha

1. Research Paper Publication – 03 (International Journal)

Prof. Vivek Kumar Gaba

1. Developing the Heat Transfer Lab under the DST, FIST Programme.

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METALLURGICAL ENGINEERING DEPARTMENT

Mr A P Rajimwale	HOD & Associate Professor	M.Tech
Mr Manvendra Kumar Tripathi	Assistant Professor	M. Tech.
Mr Manoranjan Kumar Manoj	Assistant Professor	M. Tech.
Dr Manoj Kumar Chopkar	Assistant Professor	M.Tech, Ph.D.

Research Paper Publications:

The branch boasts of a very rich lineage of research activities and its inclination towards innovation. Various students have made their mark in varied organizations and industries thus leading the college in the field of research on various fields. The summary of the research activities is enlisted below.

Sr. No.	ORGANISATION	NO. OF STUDENTS
1	DEFENCE METALLURGICAL RESEARCH LABORATORY (DMRL- DRDO)	8
2	NAVAL METALLURGICAL RESEARCH LABORATORY (NMRL-DRDO)	2
3	BABA ATOMIC RESEARCH CENTRE (BAARC)	1
4	DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY (DIAT-DRDO)	3
5	ARCI, HYDERABAD	3
6	BHILAI STEEL PLANT (BSP)	25
7	VIZAG STEEL PLANT(VSP)	15
8	SALEM STEEL PLANT (SSP)	3
9	UNIVERSITY OF HANOURA (GERMANY)	1
10	TATA STEEL	2
11	HINDUSTAN AERONAUTICAL LIMITED (HAL)	2

The department over the last year comprised its students working in a variety of fields. A few of them included optimization of steel, surface coatings on high temperature materials, severe plastic deformation processes, magneto spinning, zirconium alloy optimization, work on titanium alloys, carbon nano tubes etc thus encompassing the research atmosphere.

Any Other Activities:

- 1) Mr. A.P. Rajimwale, Associate Professor in Metallurgical Engineering was nominated as member of state level environment appraisal committee (SEAC) Chhattisgarh. He is nominated as member by MOEF, Govt. of India in consultation with Govt. of Chhattisgarh in session 2009-2010.

Apart from the placements, the final year students blazed and shined in various competitive exams with the branch being an epitome of higher studies (M.Tech and M.S) with a bounty of students making it into premier institutions across the county and the world. Some of the students and the numbers below indicate the formidable success of the branch in the bygone year thus earning the branch with the tag of highest supplier of students for master's degree in the college.

- Mr. K. Shravana Kumar secured an admission into the University of North Texas, (U.S.A) for pursuing his Masters in Materials Engineering. In addition to the above, he has been entitled for full funding including a tuition waiver and monthly stipend of 1500\$.
- Mr. Shmik su has also made the ranch proud by making it to the prestigious University to Texas A&M,(U.S.A) to Pursue his masters in materials engineering.
- Mr. Praful Pandey and Mr. Vinay Patel have in scripted the name of the branch by entering into the distinguished portals of Indian Institute of Science (IISc-Bangalore).
- 4 students have forayed into the prestigious Indian Institute of Technology Bombay (IIT Bombay).
- 2 Students have made their way into the Indian Institute of Technology Kanpur (IIT Kanpur)
- 1 student each has made it to Indian Institute of Technology Kharagpur (IIT Kharagpur) and Indian Institute of technology Chennai (IIT Chennai).

Scholarship And Awards (Students):

1. Mr. Sivanesh palanivel of 3rd year was conferred the prestigious O.P.Jindal engineering and management (OPJEMS) Scholarship for the year 2009 and awarded a scholarship of Rs.65000 for outstanding academic track record and leadership qualities.
2. Wasif Hussain Khan & Md. Dilkash Azam, B.Tech, VIIIth Semester presented paper on optimization & Characterization of mechanical and corrosion properties of AA7049 alloys by retrogression and reageing for aerospace application at NMD'10 and got the 2nd Prize held at IISc, Bangalore.

Paper Presentations By Students:

- Mr Shamik bsu secured first position in IIT Kharagpur for his presentation on optimization of Zirconium-102 alloy by nuclear mapping in nuclear reactors.
- Mr.Poshit Nag and Mr. Harpreet Sidhr secured the second position for presenting their work on effect of chemical composition on laser hardening of steels.
- Mr. Souvik Chhatterjee secured the first position for presenting his work on AA7449 alloy at the Tech Fest of NIT Rourkela.
- Akshay Shingwekar & Manish Nihichlani, BTech, VIIIth Semester presented paper on Deformation and annealing study of alpha brass used in cartridge case manufacturing at in AXIS'10 t VNIT Nagpur.

Sports And NCC:

- Mr. Sourabh Chjandrakar led the college football team to the acme of glory in the state level football championship.
- In the category of table tennis Mr. Harpreet Sidhar was declared the best player of the tournament in the inter NIT sports meet in Calicut.
- Mr.Sivanesh palanivel and Ms. Dhivya Raghavan have been awarded with the 'C' certificate in NCC.
- The Metallurgy Cricket Team was the runner's up in the Inter Branch Cricket Competition.

Over the previous year the branch has won many laurels and moved numerous steps ahead in accomplishing itself as a self sustainable and growing branch.

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MINING ENGINEERING DEPARTMENT

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.

Research & Development

Research paper publication:-

1. Dr. N. Kishore and P.K Dewangan , “ Estimation of operating Cost of Dragline in Various Modes of operation , “ The Indian Mining Engineering Journal (India) , Vol.49, No- 08, P, 131-133 (2010).
2. Pankaj Dewangan , Dr. Manoj Pradhan and N.Kishore , “ Utilization of Fly Ash & a Structural Fill Material for safe and Sustainable Development : Need of the Hour “ , The Indian Mining Engineering Journal(India), Vol. 49, No.- 08, P. 134- 139 (2010)
3. Dr. R.K Jade , B.S Sastry and Dr. M. Pradhan , “ Flow Effects of Two – way Splits and Junction In Mine Airways – An Experimental and Computational Approach “ , The Indian Mining & Engineering Journal (India), Vol .50, No. 02, P. 8-13 (2011).
4. Pradhan Manoj, Sleep Time-its Consequences on the performance of Bulk Emulsion Explosive, Journal of Scientific and Industrial Research, Vol 69, pp.125-128
5. Pradhan Manoj, Effect of Charge Temperature on the Detonation Velocity of Bulk Emulsion Explosives”, Institution of Engineers Journal (Mining Division) Vol 90, pp.3-7.
6. Jain R.K., Karera, A.C. & Pradhan M, “Environment Related Legislation Applicable to Mining”, The Indian Mining & Engineering Journal Vol 48, No 11, pp 36-43.
7. Pradhan M. & Dhekne P.Y, “Analysis of VOD –Diameter Data of bulk Emulsion Explosives” MineTECH 10 National Seminar Mining Technology-Extraction, Beneficiation for Safe and Sustainable development, May 7-8, 2010 Bhubaneswar, pp. 134-138.

Thesis (M.Tech & Doctoral)

Ph D Guidance:

1. Supervisor of Mr. P.Y.Dhekne, Title “An Integrated AI Approach for Estimation of oversize boulders in Limestone Quarry Blasting”.
2. Supervisor of Mr. Pankaj Dewangan Title “Strength Behavior of Rock – Fly Ash Mix for Bulk utilization of Fly Ash as Aback Fill Material in Open Cast Mines ”

M.Tech. Guidance:

1. Co Supervisor of Ku Smirti Hudao, M.Tech. Chemical Engineering, Title “Investigations into Some Factors affecting Rate of Chemical Gassing of Bulk Emulsion Explosive”.

1. M.TECH (Ongoing)	:-	<u>Scholar Name</u>	<u>Guide</u>
		Kumari Smriti Hudau M.Tech., Chemical Engg	Dr. Manoj Pradhan
2. Ph.D (Ongoing)	:-	Prof. P.Y Dekhne	Dr. Manoj Pradhan
		Prof. P.K Dewangan	Dr. Manoj Pradhan

Laurel & Distinctions.

1. Prof. Dr. H.R Anireddy Memorial Award , 2010 - Dr. Manoj Pradhan for outstanding research in Explosive Utilization , Conferred by The IME Journal Reader Forum , Bhubneswar.
2. Dr. Rajendra Prasad Memorial Prize - Dr. Manoj Pradhan awarded by Institution of Engineers (India) Kolkatta.

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised / Attended:

1. National Seminar on Mining Technology - Extraction , Beneficiation for Safe & Sustainable Development “ Mine TECH 10” attended by Dr. Manoj Pradhan and P.Y Dhekne (May 7-8,2010) at Bhubaneswar .
2. 25th Indian Engineering Congress & Seminar “ Technological challenges for more equitable and sustainable planet “ Organized by The Institution of Engineers (India) Kochi , 16-19th Dec.2010.

CONSULTANCY PROJECTS

1.	Determination of Physico-Mechanical Properties of Rock	Sarada Mnerals, Karwahi OCP	2010
2.	Determination of Physico-Mechanical Properties of Rock	SECL, Kurja Sheetal dhara Project	2010
3.	Determination of Physico-Mechanical Properties of Rock	Shreeram Gemicon, Nagpur	2010
4.	Determination of Physico-Mechanical Properties of Rock	Fatehpur East Coal Pvt. Ltd. Raigarh	2010
5.	Determination of Physico-Mechanical Properties of Rock	SECL, Jamuna, Kotma area	2010
6.	Ground vibration Monitoring & Study	Century Cements, Baikunth	2010

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DEPARTMENT OF PHYSICS

Dr. K. K. Sugandhi	Professor	M.Sc., Ph.D. (Retd. on .31.05.2010)
Dr. (Mrs.) S. Agrawal	HOD & Associate Professor	M.Sc., M. Phil., Ph.D.
Dr. A.K. Srivastav	Associate Professor	M.Sc.(Phy), M.Sc (Math), Ph.D.
Dr. Bijay Kumar Sahoo	Assistant Professor	M.Sc. Ph.D.
Dr. Ayush Khare	Assistant Professor	M.Sc. Ph.D.
Dr. Sapan Mohan Saini	Assistant Professor	M.Sc.,M.Phil., Ph.D.

Research & Development

Title of Project:

Research project entitled “An investigation on Electro-optical and Structural Characteristics of Nanocrystalline (Zn-Cd) S Thin Films Using Polymers” is under consideration of Science and Engineering Research Council (SERC), Department Science and Technology (DST), New Delhi.

Thesis (Doctoral Programme)

Name of Scholar:

Scholar	Guide
1. Mrs. Janita Sazi	Dr. S. Agrawal
2. Mr. Dillip Kumar Sahu	Dr. S. Agrawal
3. Mr. Dharendra Singh Kshatri	Dr. A. Khare
4. Ms. S. Sindhe	Dr. B. K. Sahoo

Laurels & Distinctions

Dr. Ayush Khare has been elected as Member of Executive Council of Indian Association of Physics Teachers (IAPT) (Duration Jan. 2010 –Dec.2012)

Seminar / Workshops / Conferences / Symposia / Shortterm Courses / Organised / Attended:

- 1 Dr. Ayush Khare presented his paper at All India conference on Engineering and Science (AICON'10) organized by Chhatrapati Shivaji Institute of Technology (CSIT), Durg. 22nd Jan 2010 – 24th Jan 2010
- 2 Dr Ayush Khare attended National Workshop on Physics and Application of Luminescence to Nano-Science, Radiation Dosimetry and Geology (NWPAL 2009), organized by Shri Shankaracharya College of Engg. And Technology (SSCET), Bilai is association with Luminescence Society of India. December 2009
Dr. Ayush Khare attended National Workshop on
- 3 Innovative Physics Teaching (NWIPT -10) organized by Department of Physis, IIT, Kanpur. May 20-25, 2010

Any Other activities:

1. Academic Activities: Two new experiments have been set up in the Physics lab.
2. Research Activities: Doctoral programme started in the department. Four doctoral students have been joined under faculty members.
 - (i) Sadhna Agrawal: Preparation, Characterization and dielectric studies of Barium Zirconium Titanate BaZr_{0.08} Ti_{0.92} Ceramic. CSVTU Research journal, Vol-03, No-01, Jan 2010.
 - (ii) Ayush Khare, Characterization of Chemically Deposited (Zn-Cd)S: Cu Nano-Crystalline Films; Journal of optoelectronics and Advanced Materials 11 (11) (2009), 1805-1809.
 - (iii) Ayush Khare, Effects of the Zn Concentration on Electro-Optical Properties of ZnX CDI-XS Films; Chalcogenide Letters 6(12) (2009) 661 -671.
 - (iv) Ayush Khare, Effects of Copper Concentration on Electro – optical and Structural Properties of Chemically Deposited Nanosized (Zn-Cd) S:Cu films; Journal of Luminescence 130 (7) (2010) 1268-1274
 - (v) Ayush Khare, and S.K.Pandey, Photoluminescent studies of nano crystalline thin films prepared by chemical bath deposition technique; SPIE Digital Library.
3. Extra Curricular activities faculty members are active members in:
 - (i) Eclectia -2010
 - (ii) Womens day Celebration
 - (iii) Shilpi (Institute Magazine)

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4.2 SPORTS ACTIVITIES

As per meeting of O-INSA (Organisation for Inter-NIT Student Activity) organised at Hamirpur on 9th & 10th October 2009, NIT Raipur organized the Inter-NIT Handball (M) and Hockey (M) tournaments, from 14th Dec to 17th Dec 2009.

As per schedule two teams from NIT Surat and NIT Rourkela participated in the tournament Handball and Hockey respectively. In both the games we were the winner.

NIT Raipur Handball Player List

01. Aditya Rewari (Cap)	-	5 th Computer Science
02. Satyendra Pratap Singh	-	5 th Civil
03. Mayank Parekh	-	5 th Civil
04. Bhawani Singh	-	5 th Civil
05. Pankush Kalgotra	-	5 th IT
06. Saurav Chandrakar	-	5 th Metallurgical
07. Bandi Mohit	-	5 th Metallurgical
08. Pavandeep Barar	-	7 th Metallurgical
09. Pankaj Pal	-	7 th IT
10. Chetan Chowdhary	-	3 rd Metallurgical
11. Manoj Medak	-	3 rd Mechanical
12. Sourvik Acharya	-	1 st M.Tech (Geo)

NIT Raipur Hockey Player List

01. Tushmul Jha (Caip)	-	6 th Mining
02. Vishwendra Singh	-	1 st Civil
03. Vivek Tyagi	-	8 th Bio Medical
04. Vivek Bhagat	-	8 th Mining
05. Avinash Minj	-	5 th Civil
06. Abiraj kumar	-	8 th Mining
07. Jayachand Bhagat	-	5 th Civil
08. Vishaal Rawat	-	6 th Chemical
09. Upendra Chowdhary	-	1 st E&TC
10. Muralidhar Patel	-	7 th Electrical
11. Raunak Singh	-	1 st E&TC
12. Nihal Singh	-	1 st Architecture
13. Kumar Rohit	-	1 st Mining
14. Vibhore Shirivastava	-	3 rd Metallurgical
15. Shirish Raman	-	6 th Computer Science
16. Piyush Chandra	-	6 th Mining

Also NIT Raipur Participated in the Inter-NIT Table tennis & Lawn tennis at NIT Calicut, where we got the runner –up position in table tennis.

Player list of Table Tennis:

1. Amul Badjataya (Capt.)	7 th	CSE
2. Harpreet Sidhar	5 th	Metallurgical
3. M.Poshit Nag	5 th	Metallurgical
4. Tejas Namboodiri	3 rd	Bio.Tech
5. Chirag Munet	1 st	Mining

Harpreet Sidhar (5th semester Metallurgical Engg) awarded as the best player of the tournament.

Player List Lawn Tennis:-

1. O.P.Singh (Capt.)	7th	Mining
2. B.Mohit Sai Ku.	5th	Metallurgy
3. Aditya Konchiraju	5th	Bio. Tech
4. Cijo Joseph	5th	Architecture

NIT Raipur also participated in the inter-NIT Cricket Tournament held at NIT Cricket Tournament held at NIT Rourkela, where winner and at NIT Durgapur, we were runner –up .

Player list of Cricket:

01. Sandip Skinla	3 rd (Yr)	E&TC
02. Shadaab Khan	1 st	MCA
03. Amit Ku. Pandey	3 rd	Mechanical
04. Brijendra Rathi	3 rd	Chemical
05. Jayanth Kashyap	2 nd	Mechanical
06. Bikas Ku. Behra	4th	E&TC
07. S.Vimal Raj	2 nd	Mining
08. Ankit Yadav	3 rd	CSE
09. Mukesh Shankhwar	3 rd	Architecture
10. Tanmay Neiral	2 nd	Metallurgical
11. Sudhaanshu Tanti	3 rd	Metallurgical
12. Deepak Padihary	4 th	Mechanical
13. Y. Amrutesh (Capt.)	4 th	Electrical
14. B.Prem Singh	3 rd	Bio. Tech
15. Manish Ku.	4 th	Electrical

NIT Raipur also participated in the Late Niraj Memorial Football Tournament 2009-10. In this tournament NIT Raipur shown its excellence and were winner.

Player List of Football:

01. Saurab Chandrakar (Capt.)	5 th	Metallurgical
02. S.Vimalraj	3 rd	Mining
03. Gajendra Markam	3 rd	Mining
04. Sanjay Soren	3 rd	Mining
05. Arvind Rathore	7 th	Metallurgical
06. Om Prakash Singh	7 th	Mining
07. Mahipal Singh	1 st	Metallurgical
08. Pushendra Alsare	3 rd	Metallurgical
09. Abhishek Bisws	1 st	Architecture
10. Faizal Tahir	5 th	Civil
11. Prashant Menon	5 th	CSE
12. Bal Mukund Singh	1 st	Civil
13. Jaichand Bhagat	5 th	Civil
14. Sumanth Nirala	1 st	Electrical
15. Kumar Rohit	3 rd	Mining
16. Shiva Kumar	3 rd	Mechanical

SAMAR – 2010
(8th -19th March 2010)
(Annual Sports Festival of NIT, Raipur)

FINAL REPORT

(Last updated on the 2nd of March 2010)

Samar 2010 has so far been successful venture with overwhelming support from both the student community and the administration. This Year's Samar Successfully hosted 11 games with the help of interested and dedicated student coordinators in which more than 600 students, both boys and girls took part altogether.

The games which were part of Samar 2010 are given below with their respective categories:

- ATHLETICS –Boys and Girls
- BADMINTON – Boys and Girls
- BASKETBALL – Boys and Girls
- CAROMS- Boys and Girls.
- CHESS –Boys and Girls.
- HANDBALL – Boys Only.
- HOCKEY – Boys Only
- SWIMMING – Boys and Girls.
- TABLE TENNIS – Boys and Girls.
- VOLLEYBALL – Boys and Girls
- FUTSAL – Boys.

ATHLETICS

This event began on the 13th of March and was opened for both the girls and the boys. With the very meager resources available the organizers had done splendid job in setting up two tracks, a 200m mini track and also considerably long straight and also necessary arrangements were made for the field events to take place. The events which took place throughout the course of 5 days for this year have been listed below with ll athletics concluding on the 18th.

MARATHON (6.25 KM/2.5KM)	400 M DASHES (GIRLS/BOYS)
SHOTPUT (GIRLS/BOYS)	JAVELIN THROW (GIRLS/BOYS)
DISCUS THROW (GIRLS/BOYS)	LONG JUMP (BOYS/GIRLS)
100M DASH (GIRLS/BOYS)	HIGH JUMP (BOYS/GIRLS)
4x100M RELAY (BOYS/GIRLS)	

BADMINTON

Badminton was worked out at the Pt. Ravi Shankar University's indoor gymnasium initially under 5 categories, namely men's/women's singles, doubles and mixed doubles which was later brought down to due to time constraints with the men's doubles category being abandoned. An astonishing 150 plus participants registered for this game alone making it a tremendous success.

Due to certain practical difficulties the completion of the men's singles category has been behind schedule but with all problems now rectified has been brought to complete close.

BASKETBALL

The branches were divided into the given pool taking into consideration player availability and balance among the teams.

Girls

A: CS, Electrical, Meta, Architecture
B: Electronics, IT, Bio-Med, MCA.
C: Civil, Chemical, Mechanical and M-Tech

Boys

Group A-CS, Meta, Civil and IT.
Group B-Architecture, Mech, M.Tec, Electronics.
Group C-Chemical, Mining, MCA and B-Med.

All teams were made to play each other once in both categories and the two teams with the highest points declared the winner. The Winners were group-B and group -A in the men's and women's categories respectively.

CAROMS

Carom to receive a lot of attention with a high number participant coming forward to play. The games were played in the canteen during the morning hours and a majority of the boy's games were worked out in the boy's hostels. The games were open to anyone with any number of teams from every branch being accommodated.

All games have been concluded without major mishaps and carom has drawn to successful completion.

CHESS

Chess did not have separate categories for men and women but had teams with mixed representation from each and every branch. A Selection process was put in place in order to pick the best from each branch to represent their respective ranches.

Each branch initially competed in knock out stage where final three teams were allowed to compete in league where the team which tallied the highest total of points was declared the champion. Metallurgy was the champion for the year 2010.

HANDBALL

Handball was played at the hand ball grounds within our premises with 3 teams composed of various branches playing series of knockout games.

The games were held during the early hours as well as the evenings to facilitate all the teams, and it was the IT/Civil combine that took on the CS/META/M-Tech combine in the final, with the CS/META/M-Tech combine winning the game.

HOCKEY

The branches were divided into the given pool taking into consideration player availability and balance among the teams.

GROUP-A-IT, Mechanical, Electrical

GROUP-B - Architecture, Biotech/Biomed, Civil

GROUP-C-Chemical, Metallurgy, Mining

GROUP-D - Electronics, M.C.A, Computer Science

The games were worked out from the 12th to 18th March at the Hockey field of our College. The games were played in Six-a-side format according to international hockey federation rules. The games were played in a series of league games among the groups. Group B emerged victorious beating group C in the finals held on the 18th.

TABLE TENNIS

The games were played at the NITRR indoor gymnasium under two categories, boys and girls. The boys were divided into 4 groups composed of various branches while the girls competed at individual level.

BOYS

GROUP-B-(Meta, Chem, I)

GROUP-D – (Min, B.T/B.M.,Elex)

GROUP-A-(C.S,Archi)

GROUP-C - (elec, mech)

The games were played in accordance with the league system and groups A and C qualified for the finals which group A won.

VOLLEYBALL

This too was played under two categories with the girls games organized as a move to encourage volleyball amongst them. The boys were divided into

BOYS

GROUP-A(IT/Civil

GROUP-D – Mech/arch

GROUP-B-Mining and bio

GROUP-C - Electrical/MCA/M-Tech

GROUP-E: CS/Meta

GROUP-F:- Elex/Chemical

The volley ball draw was prepared to allow each combine to play another twice such giving the each team a home and away game feeling and also a generous opportunity avenge any defeat.

All games were conducted under the newly installed lights and at the end of the league stage Groups D and B had made it to the finals. The finals were played in grand style with the Director along with the Dean (Student's welfare), The Registrar and dignitaries in attendance.

Group B emerged winners in somewhat a sedate and one sided final.

FOOTBALL

Football was organized under the banner of FUTSAL, which is not the official name for 5-a side football. Each branch was represented by its own team with all twelve branches were divided into two major groups.

The first two teams from each group will qualify for the semi finals after the initial league rounds in which each team will get 5 games apiece.

Well supported by strong crowds the games were played in the handball court modified to accommodate football during the mornings and evenings with each session containing two games in one day.

The final was played between the Mining team and the Computer Science team with many of the College representing players starring right throughout the tournament. Computer science came out victorious in a tense final winning the final penalty shootout 3-1 after regular time ended in a 20-2 draw.

SWIMMING

A late addition to Samar 2010 swimming was conducted with the participation of around 50 competitors. Though initially planned for both boys and girls certain late difficulties resulted in the event being conducted only for the boys.

The swimmers were requested to come to the Union Club where all arrangements were made to conduct the event under three different strokes namely free style, back stroke and breast stroke.

The culmination of the sports festival will be marked by a grand closing and prize distribution ceremony which is to be held on the 3rd of March 2010 which has been declared the intuitions sports days with the participation of legendary sports personalities and dignitaries.

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4.3 Eclectika'10

Going beyond this erudite engineering and with prior motive for all round development of the students, NIT Raipur began its journey and innovation in the form of Eclectika in 2007. It pioneered a string of competitions and events aiming not only fostering of talents, both cultural and technical, but uniting them on a common platform. Eclectika ' 08 was a grown up presentation of its inception. Impelled by the stupendous response, there was birth of Eclectika ' 09- "calling of the cosmos", as an inter-college level event of duration 2 days.

The Quest for knowledge and imagination has one thing in common, both are boundless. Driven by this thought came Eclectika ' 10-"Beyond the Dark Edge..." in the form of an inter NIT level event of duration 2 days: 20th-21st March. The Events were categorized in mainly four spheres as:

- 1) The Cultural Panorama including folk dance, fine arts, sketching, caricature designing, street dance, musical drama, folk singing etc.
- 2) The Technical Demise consisting of tech events like rob wars, structure making, paper presentation, programming, tech quizzes, business plan, LAN gaming etc.
- 3) The Literary Arena which has essay writing, poetry, jam, radio play, biz quizzes, parliamentary debates as its part.
- 4) The Adventurous Escapade- It comprises of high adrenaline pumping events like rock band show, gully cricket, treasure hunt, crime scene investigation, amazing races etc.

Workshops were also included in the event mainly glider making, sand art, archery, fencing and caricature designing. Fulfilling its moral obligations towards community, participation in social cause events such as Blood donation Camp, Plantation, providing basic amenities to help age homes and orphanages was also carried out. Besides this, we had lots of filler and informal events keeping the students from various colleges involved. Last day was marked by the cultural night of college with **Honorable Chief Minister Dr. Raman Singh** as Chief Guest. The whole fest of 2 days was a grand success, leaving a permanent impression on the visitors.



Dr. (Mrs.) S.K.Pandey, Director, NIT Raipur and Mr. Lalit Surjan, Chairman-BOG, NIT Raipur welcoming Dr. Raman Singh, Honorable Chief Minister Chattisgarh



Dr. (Mrs.) S.K.Pandey, Director NIT Raipur giving speech during Eclectika' 10

5. CENTRAL FACILITIES

5.1 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 & Telecommunication Engineering	Electronics Devices and Electronic Workshop, 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

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5.2 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.

The library subscribes to 48 national and international journals, which provide up-to-date information about latest technological developments. 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.

Collections of Library

The total collection of the Central Library is as follows

a) No of Books-	59309
b) No. of Book Bank Books	34029
c) No of Current periodicals subscribed (Indian)	60
d) No of online resources subscribed	05

Services Provided to Users

The following services are offered by the Central Library to its users

- Issue and return of books.
- Book bank service to ST/SC/OBC students
- Reading Room services (For books, Journals, Magazines, News papers)
- Access facilities in the Digital Library Section to online resources(ASME,ASCE,IEL ONLINE,SPRINGER LINK,& MATHSCINET)
- Document delivery service (e-resources) through e-mail

Opening Hours

The Central Library has various sections for its smooth functioning. The opening hours of various sections are:

- Circulation Section/Book Bank Section: Monday to Friday-11 A.M to 5.30 P.M
Saturday & Sunday-Closed
- Reading Room: Monday to Friday-8 A.M to 8 P.M
Saturday- 8 A.M to 2 P.M
Sunday- 9 A.M to 12 Noon
- Digital Library Section: Monday to Friday-10.30 A.M to 5.30 P.M
Saturday-8 A.M to 11.30 P.M
Sunday-Close

5.3 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.

Any Other activities:

OPD: - More than 5700 OPD attendance at dispensary in year 2009-2010.

Medicine: - Medicine Purchased for year 2009-2010 is of Rs 99,879.15 and distributed to staff and students of NIT.

Seminar / Workshops / Conferences / Symposia / Shortterm Courses /Organised / Attended

1. Active participation in National Pulse Polio Immunization Programme and National Filaria Programme

5.4 Playground

The institute lays a considerable emphasis on the participation of the students in various outdoor and indoor sports activities, which cover athletics, badminton, basketball, cricket, football, table tennis, volley ball, chess etc. Well laid out fields are available in the campus for the cricket, football, volleyball, basketball, hockey, table tennis, badminton and Lawn tennis etc. The fields cover a total area of 80,000 sq.m. and ample opportunities are provided to the students to explore their sports talent.

5.5 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 PWD department.

There are sufficient numbers of quarters for the staff members. D-type-9, Nos., E type - 20 Nos., F type - 28 Nos. G type - 24 Nos., H type-40 Nos. & I type-20 Nos.

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6. BOG, FINANCE COMMITTEE AND SENATE

6.1 Board of Governors

1	Shri Lalit Surjan Chief Editor, Deshbandhu, Raipur	Chairman
2	Dr. (Mrs.) S K Pandey Director, NIT Raipur	Member Secretary (Ex-Officio)
3	Shri N K Sinha Joint Secretary (Technical) Ministry of Human Resource Development, Department of Higher Education, New Delhi	Nominee from MHRD
4	Shri S K Ray Joint Secretary and Financial Adviser, Ministry of Human Resource Development, Department of Higher Education, New Delhi	Nominee from MHRD
5	Shri Narayan Singh IAS Additional Chief Secretary, Department of Technical Education, Government of Chhattisgarh	Nominee of Department of Education, Government of Chhattisgarh.
6	Dr. S S Gokhle Director, VNIT, Nagpur	Head of another Technical Institute in the Region
7	Shri P K Banerjee	Nominee of AICTE
8	Shri Nand Kumar IAS	An Alumnus of the Institute
9	Shri Rahul Mahawar Balak Chowk, New Mangal Bhawan, Dhamtari.	Representative from large, medium and small-scale industries
10	Shri Uma Prakash Ojha Cosmo Products, Dhamtari Road, Near Jain Public School, Raipur	Representative from large, medium and small-scale industries
11	Dr. K K Sugandhi Professor, N.I.T. Raipur	Member
12	Dr. (Smt.) A B Soni Associate Professor, N.I.T., Raipur.	Member

6.2 Finance Committee

1	Shri Lalit Surjan Chief Editor, Deshbandhu, Raipur	Chairman
2	Dr. (Mrs.) S K Pandey Director, NIT Raipur	Member(Ex-Officio)
3	Shri N K Sinha Joint Secretary (Technical) Ministry of Human Resource Development, Department of Higher Education, New Delhi	Nominee from MHRD
4	Shri S K Ray Joint Secretary and Financial Adviser, Ministry of Human Resource Development, Department of Higher Education, New Delhi	Nominee from MHRD
5	Dr. S S Gokhale Director VNIT, Nagpur	Member
6	Dr. K K Sugandhi Professor N.I.T., Raipur	Member
7	Col. (Retd.) G Raja Sekhar Registrar, NIT Raipur	Member Secretary (Ex-Officio)

6.3 The Senate

1	Dr. (Mrs.) S. K. Pandey	Chairperson of Senate, Director, NIT, Raipur
2	Dr. D.K. Marothia	Professor, IGAU, Raipur
3	Er. L. N. Tiwari	Secretary, Institution of Engineers, Raipur (C.G.)
4	Dr. Jai Laxmi Thakur	V.C., Bastar University
5	Dr. K D Permar	Dean (Academics Affairs) & Professor, Dept. of Electrical Engineering, NIT, Raipur
6	Dr. K K Sugandhi	Dean (Faculty Welfare) & Professor, Dept. of Physics, NIT, Raipur
7	Dr. A. S. Thoke	Professor, Dept. of Electrical Engineering, NIT, Raipur
8	Dr. M. K. Verma	Dean (Student Welfare) & Professor, Dept. of Civil Engineering NIT, Raipur
9	Dr. A. M. Rawani	Dean (Research & Consultancy) & Professor, Dept. of Mechanical Engineering, NIT, Raipur
10	Dr. Abir Bandyopadhyay	Dean (Planning & Development), Head & Associate Professor, Dept. of Architecture, NIT, Raipur
11	Mr A.P. Rajimwale	Head & Associate Professor, Dept. of Metallurgical Engineering NIT, Raipur
12	Dr R. P. Pathak	Head & Associate Professor, Dept of Mathematics, NIT, Raipur
13	Dr (Smt) F. Khan	Head & Associate Professor, Dept. of Chemistry, NIT, Raipur
14	Dr (Smt) Sadhna Agrawal	Head & Associate Professor, Dept. of Physics, Chief Warden (Girls hostel), NIT, Raipur
15	Dr. (Mrs.) Subhrata Gupta	Head & Associate Professor, Electrical Engineering Dept., NIT Raipur
16	Dr.R.K.Tripathi	Head & Associate Professor, Dept. of Civil Engineering., NIT, Raipur
17	Dr. (Ms.) S. L. Sinha	Head & Associate Professor, Dept. of Computer Science & Engineering, NIT, Raipur
18	Dr. (Mrs) A.B.Soni	Head & Associate Professor, Dept. of Chemical Engineering, NIT, Raipur
19	Shri B. Mazumdar	Head & Associate Professor, Dept. of Bio-technology & Bio-medical, NIT, Raipur
20	Dr. Manoj Pradhan	Chief Warden – Boys Hostel
21	Shri P Y Dhekne	Head & Associate Professor, Dept. of Mining Engineering, NIT Raipur
22	Dr. Shrish Verma	Head & Associate Professor, Dept. of IT & E&TC, NIT, Raipur
23	Dr P Diwan	Head & Associate Professor, Dept. of Applied Geology, NIT, Raipur
24	Shri Rahul Salhotra	Head & Associate Professor, Dept. of Applied Mechanics, NIT, Raipur
25	Dr. Sameer Bajpai	Head & Associate Professor, Dept. of Humanities & TPO, NIT, Raipur
26	Dr. S. Sanyal	Head & Associate Professor, Dept. of Mechanical Engineering, NIT, Raipur
27	Shri Harendra Bikhrol	Head & Associate Professor, Dept. of MCA, NIT, Raipur
28	Shri Shailesh Vaidya	Assistant Workshop Superintendent, NIT Raipur.
29	Col. (Retd.) G. Raja Sekhar	Registrar

भारतीय लेखा एवं लेखा परीक्षा विभाग
कार्यालय महालेखाकार (लेखा परीक्षा), छत्तीसगढ़, रायपुर
INDIAN AUDIT & ACCOUNTS DEPARTMENT
Office of Accountant General (Audit), Chhattisgarh, Raipur

दिनांक
Date:

No.OAD II / NIT-SAR-09-10/2010-11/D-142

Dated 08.02.2011

To

**The Secretary
Ministry of Human Resource Development.
(Department of Secondary and Higher Education).
Government of India,
New Delhi – 110001.**

Sub: Certification of accounts of National Institute of Technology, Raipur for the Year 2009-10 Under Section 19 (2) of the CAG's DPC Act, 1971.

Sir,

The audit of accounts of National Institute of Technology, Raipur has been entrusted to this office under Section 19(2) of the Comptroller and Auditor General's (Duties, Power & Conditions of Service) Act, 1971 read with Section 22(2) of the NIT Act, 2007. Accordingly, I am forwarding herewith the certified accounts for the year 2009-10 together with the Audit Report thereon.

It may be ensured that audited accounts along with the audit report thereon duly approved /adopted by the Board of Governors are laid before the Parliament. The dates of presentation of the certified accounts and Audit Report thereon for 2006-07, 2007-08 and 2008 – 09 to both the houses of Parliament may please be intimated to this office.

Encl: As above.

Yours faithfully,



Accountant General (Audit)

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of National Institute of Technology (NIT), Raipur 31 March 2010.

We have audited the attached Balance Sheet of National Institute of Technology (NIT), Raipur as at 31 March 2010 and Income & Expenditure Account for the year ended on that date under Section 19 (2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with Section 22 (2) of the NIT Act, 2007 . These financial statements are the responsibility of the NIT's management. Our responsibility is to express an opinion on these financial statements based on our audit.

- (1) This Separate Audit Reports 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 discloser 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.
- (2) We have conducted our audit in accordance with auditing standards generally accepted in India These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An Audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis of our opinion.
- (3) **Based on our audit , we report that :**
 - (i) We have obtained all the information and explanation, which to the best of our knowledge and belief were necessary for the purpose of our audit.
 - (ii) Autonomous Bodies under Government of India are required to compile their accounts in a Uniform Format of Accounts as prescribes by the Government of India, Ministry of Finance and the financial statements of non – profit and other similar organizations shall be prepared on accrual basis and shall be in the form as suggested. We, however, note that accounts prepared by the Institute do not follow the Uniform Format of Accounts and are maintained on cash basis instead of an accrual basis.
 - (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:

Balance sheet.

1. Grant in Aid (Non Plan) Unutilized RS. 23.22 crore.

This includes RS. 8.88 crore being the net surplus of the Institute which should have been disclosed separately in the Sources of Funds as the nature of transaction was only net surplus and should have been classified under Corpus/Capital Fund. The non disclosure of the same separately has resulted in overstatement of Grant- in – Aid (Non Plan) by RS. 8.88 crore and understatement of Corpus/ Capital Fund by RS. 8.88 crore.

2. Fixed Assets (Schedule G) RS. 31.38 crore.

- (i) This includes RS. 185.26 lakh paid Engineering Projects India Limited as advance towards the campus development in compliance with the MOU. Since the campus development work is yet to commence and the amount so paid was only an advance, RS. 185.26 lakh paid to the agency should have been shown as Capital Work in Progress and not under Fixed Assets.

This has resulted in overstatement of Fixed Assets by RS. 185.26 crore and understatement of Capital Work in Progress by the same amount.

- (ii) This also includes RS. 19.05 crore being the Capital Work in Progress which should have been disclosed separately in the Accounts.

3. Current Assets, Loans and advances.

Cash and Bank Balance (Schedule J) RS. 4.06 crore

This does not include RS. 10.68 lakh lying in Current Account maintained with State Bank of India, GCET branch Raipur which was inoperative since 2006. The non inclusion of above sum in Cash and Bank Balance has resulted in understatement of Current Assets by RS. 10.68 lakh.

Income and Expenditure Account

- (i) Tuition Fees (Schedule L) RS. 6.46 crore.

This does not include RS. 11.36 lakh being Tuition Fees for the year 2009-10 receivable from the students as on 31 March 2010. This has resulted in understatement of Excess of Income over Expenditure by RS. 11.36 lakh.

- (ii) Interest Earned (Schedule M) RS. 2.82 crore

This does not include RS. 65.00 lakh being interest accrued upto 31.03.2010 (Interest accrued is calculated at the rate of 8.5% for six months for the amount of RS. 20.00 crores). This has resulted in understatement of Excess of Income over Expenditure by RS. 65.00 lakh

General

1. The institute has not prepared any Accounting Policy dovetailing in detail the Accounting policies of the Institute on basic concepts such as recognition of capital and revenue expenditure, treatment of depreciation detailing the method of depreciation, valuation of inventories and norms or provision, treatment for expenditure on R & D, etc.
 2. The management has no control over the number of bank accounts operated by it and number of inoperative bank accounts remains unrepresented in the books of accounts. It is also not forthcoming whether the authorized signatories of these bank accounts are still in the service of the institute. The maintenance of non operative bank accounts for such a long period is fraught with the risk of fraud and the management is deprived of the higher interest benefits available for the dormant funds parked in these inoperative accounts.
 3. Grants- in-Aid: Out of the grants-in-aid of RS. 57.35 crore including RS. 33.75 crore received during the year, the organization could utilize a sum of RS. 33.05 crore leaving a balance of RS. 36.25 crore as unutilized grant as on 31 March 2010. Project wise details of Grant-in-Aid are enclosed at Annexure I.
- (v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.
- (vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements, read together with the Accounting policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure I to this Audit Report, 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 Institute as at 31 March 2010, and
 - b. In so far as it relates to Income & Expenditure Account, of the excess of Income over Expenditure for the year ended on that date

For and on behalf of the Comptroller & Auditor General of India

Place: Raipur

Date:



Accountant General (Audit)

To

The Director
National Institute of Technology,
Raipur(C.G.)

Sub: Audit of financial statement of NIT, Raipur for the year ended 31st March 2010.

Madam,

The audit of annual financial statements of NIT, Raipur for the year 2009-10 was conducted for issuing Separate Audit Report (SAR). Certain deficiencies, which were observed during audit and not included in SAR, need to be brought to your kind attention for necessary action.

These include an item under Income and Expenditure Account, namely 'Paid to contract staff (Schedule Q)', whereby an amount is included to the tune of 2.57 lakh which was lost by the Institute through the fraudulent payments made to the non-existent contractual staff. As the matter is under investigation by Police, the inclusion of same under the above head and consequent charging to revenue account has resulted in understatement of Excess of Income over Expenditure by RS. 2.57 lakh. As further action towards the recoverability of the amount from the delinquent official depends upon the outcome of the investigation, the management should have disclosed the amount under separate head of account and the same should have been set off against the actual recovery or to be absorbed by the Institute on authentication through the resolution from the Board of Governors. It was also observed that despite the occurrence of this fraud involving payment to the contractual labour not actually employed, the management had not initiated adequate remedial/preventive measures towards the employment of the contractual labour.

In this context, you are requested to take suitable steps to ensure that the lacunae in internal control mechanisms are addressed effectively.



Accountant General (Audit)

Annexure I

Grant in Aid:

(Refer Comments no. 3 C (5) of the SAR)

Name of the project for which grants received	Amount of grant brought forward from previous year	Amount of grant received during the year	Internal Resource Generated during the Year	Total Grant received	Amount utilized during year	Amount unutilized as on 31.03.2010 carried forward to next year	Remark i. Target date of project ii. Audit comment on delay etc.
Plan	9.08	0.00	0.00	9.09	3.44	5.65	i. No target date specified ii. No audit comment
Plan (OBC)	0.18	20.00	0.00	20.18	12.80	7.38	
Non Plan	14.34	13.75	11.94	40.03	16.81	23.22	

A brief note on the evaluation of internal control system in the autonomous body:

It was observed that there was lack of internal control over proper preparation the accounts, finalization and adoption. Since the Institute has been adopting the cash basis of accounting instead of accrual system, any delay in recognition of posting of transactions into the accounts and also the omission of the transactions remains undetected and is not duly represented in the accounts. The Institute has not prepared any Property Register taking into account all the assets of the Institute which were lying in various laboratories and individual departments especially the assets which were lying prior to up gradation of Government Engineering Collage into present NIT. There was also no system in place for periodical physical verification of Assets represented in the Property Register and also the current assets. The existing system of non verification of assets at periodical intervals is fraught with the risk of fraud and also of misappropriation as the missing of any items especially in the laboratories of various departments may remain unnoticed. The non accountal of the inoperative bank accounts in the books of accounts of the institute indicates serious system lapses and also the inadequate internal controls prevalent in the organization

FINANCIAL STATEMENT AS ON 31ST MARCH,2010

**NATIONAL INSTITUTE OF TECHNOLOGY
RAIPUR (C.G.)**

Balance Sheet as at 31st March,2010

Sources of Funds	Schedule	As at 31.03.2010	As at 31.03.2009
		(In Rs.)	(In Rs.)
<u>Corpus/ capital fund</u>			
Grant in aid (non-plan) unutilised	A	232249176.00	143439219.00
Grant in Aid (plan) Unutilised	B	74990596.87	90849603.87
Grant in Aid (plan) Utilised	C	104809403.13	8,89,50,396.13
Grant in Aid (OBC) Unutilised	D	73807685.00	1807685.00
Grant in Aid (OBC) Utilised	E	190467315.00	62467315.00
Current Liability and Provision	F	30850643.89	5058040.94
TOTAL		707174819.89	39,25,72,259.94
<u>Application of Funds</u>			
Fixed Assets	G	10,48,09,403.13	8,89,50,396.13
Capital Work-in-Progress	G	20,89,94,065.00	6,24,67,315.00
Investment(Others)	H	349707680.00	180100000.00
<u>Current Assets, Loans & Advances</u>			
Loan and Advances	I	2373838.00	2300186.00
Other Current Assets	I	689487.00	0.00
Cash and bank balance	J	4,06,00,346.76	5,87,54,362.81
TOTAL		70,71,74,819.89	39,25,72,259.94

NATIONAL INSTITUTE OF TECHNOLOGY
RAIPUR (C.G.)
Income & Expenditure Account for the period ended 31st March,2010

Particulars	Schedule	For the period ended 31st March,2010	For the period ended 31st March,2009
<u>INCOME</u>			
Income From Sale & Services	K	95,18,575.00	81,29,785.00
Grants/Subsidies		13,74,75,000.00	3,37,00,000.00
Fees/Subscription	L	6,75,48,811.00	3,77,00,171.00
Interest Earned	M	2,82,15,830.00	73,86,261.00
Other Fees	N	88,69,432.00	1,06,58,895.00
Other Income	O	932376.00	14,42,778.00
Hostel fees	P	4310310.00	62,35,640.00
TOTAL(A)		25,68,70,334.00	10,52,53,530.00
<u>EXPENDITURE</u>			
Establishment expenses	Q	13,67,72,271.00	6,85,33,402.00
Exam Expenses	R	22,92,549.00	24,21,578.00
Other administrative expenses	S	1,99,78,183.00	17124111.00
Departmental Operating Expenses	T	33,27,883.00	2028132.00
Hostel Expenses	U	14,83,007.00	1918678.00
Estate Office Expenses	V	42,06,484.00	4975321.00
TOTAL(B)		16,80,60,377.00	9,70,01,222.00
Balance Being Excess of Income over Expenditure(A-B)		8,88,09,957.00	82,52,308.0
Transfer to Special reserve		-	-
Transfer to General Reserve		0.00	0.00
Balance being Surplus/Deficit Carried to Corpus/Capital Fund		8,88,09,957.00	82,52,308.00
TOTAL			

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR**SCHEDULES FORMING PART OF THE BALANCE SHEET****SCHEDULE- A****GRANT- IN - AID (NON PLAN)**

	31.03.2010	31.03.2009
PARTICULAR	AMOUNT	AMOUNT
Balance at the beginning of the year	143439219.00	85186911.00
Add: FD of Engg.college cancelled	<u>0.00</u>	<u>50000000.00</u>
Add/deduct Balance of Net Income transferred from Income & Expenditure Account	88809957.00	8252308.00
CLOSING BALANCE	232249176.00	143439219.00

SCHEDULE- B**GRANT- IN - AID (PLAN) UNUTILIZED**

PARTICULAR	AMOUNT	AMOUNT
Balance at the beginning of the year	90849603.87	31931774.87
Add: Received during the year	<u>0.00</u>	<u>90000000.00</u>
	90849603.87	121931774.87
Grant utilized till 31.03.2010	15859007.00	31082171.00
CLOSING BALANCE	74990596.87	90849603.87

SCHEDULE- C**GRANT- IN - AID (PLAN) UTILIZED**

PARTICULAR	AMOUNT	AMOUNT
Utilized during upto the previous year	88950396.13	57868225.13
Add: Utilized during the year	15859007.00	31082171.00
BALANCE AT THE END OF THE YEAR	104809403.13	88950396.13

SCHEDULE- D**GRANT- IN - AID (OBC) UNUTILIZED**

PARTICULAR	AMOUNT	AMOUNT
Balance at the beginning of the year	1807685.00	0.00
Add: Received during the year	<u>200000000.00</u>	<u>64275000.00</u>
	201807685.00	64275000.00
Grant utilized till 31.03.2010	128000000.00	62467315.00
CLOSING BALANCE	73807685.00	1807685.00

SCHEDULE- E**GRANT- IN - AID (OBC) UTILIZED**

PARTICULAR	AMOUNT	AMOUNT
Utilized during upto the previous year	62467315.00	0.00
Add: Utilized during the year	128000000.00	62467315.00
BALANCE AT THE END OF THE YEAR	190467315.00	62467315.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR**SCHEDULES FORMING PART OF THE BALANCE SHEET****SCHEDULE- F
CURRENT LIABILITY**

	31.03.2010	31.03.2009
PARTICULAR	AMOUNT	AMOUNT
Net Caution money	3275783.00	1452000.00
Autonomous Advance A/c	67715.00	15100.00
TDS deducted	2611014.00	0.00
Earnest money Deposit with NIT	44411.00	615267.00
Scholarships to Students	20083978.00	464250.00
Scholarships to Students Section A/C	1540618.00	2484278.00
Kores(I) ltd (Warranty Depo)	14117.00	13516.00
Stream Softech warranty	12900.00	12900.00
Bal of A/c 30013468813	236.00	236.00
NSRE 2010	248650.00	0.00
Fund from erstwhile govt. college	1772970.89	493.94
Poor student fund	162695.00	0.00
Amalgamated fund	36750.00	0.00
Aluminai Fund	718750.00	0.00
Bridge loan	2056.00	0.00
Training Programme CG govt	258000.00	0.00
	30850643.89	5058040.94

**SCHEDULE- H
INVESTMENT(OTHERS)**

PARTICULAR	AMOUNT	AMOUNT
FDR with Canara Bank	193826522.00	110100000.00
FDR With SBI GCET Branch	122708343.00	30000000.00
FDR With State Bank of Indore	33172815.00	40000000.00
TOTAL	349707680.00	180100000.00

**SCHEDULE- I
LOANS,ADVANCES AND OTHER CURRENT ASSETS
LOANS AND ADVANCES**

PARTICULAR	AMOUNT	AMOUNT
Earnest money deposited by NIT	211680.00	10000.00
DPF advances	17750.00	17558.00
Festival Advances	48109.00	51309.00
G.E.C autonomous account	450636.00	450636.00
Advance to Staff	1591063.00	1600083.00
T A Adnances	25000.00	105000.00
LTC Advances	21600.00	0.00
Legal Charges Advances	8000.00	8000.00
Bridge Loan	0.00	57600.00
TOTAL	2373838.00	2300186.00

OTHER CURRENT ASSETS

PARTICULAR	AMOUNT	AMOUNT
TDS Receivable	6000.00	0.00
Service Tax(Cenvat Credit)	683487.00	0.00
	689487.00	0.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR**SCHEDULES FORMING PART OF THE BALANCE SHEET****SCHEDULE- J****CASH AND BANK BALANCE**

	31.03.2010	31.03.2009
PARTICULAR	AMOUNT	AMOUNT
CASH BALANCE	4997.94	50,592.94
BANK BALANCE		
Canera Bank A/C No. 20996	5431021.00	51245079.00
Non-Plan (saving) 30054181310	14602383.87	3785020.00
Plan (saving) 30054183408	0.00	85787.87
Plan SBI A/C 30042954852	0.00	85475.00
State Bank of Indore 63027813713	282080.00	140498.00
SBI Bank A/c 30042955244	18544971.00	3361910.00
SBI Bank A/c 10071113698	1211518.95	0.00
SBI Bank A/c 30007211525	523374.00	0.00
TOTAL	40600346.76	58754362.81

SCHEDULE- K**INCOME FROM SALE & SERVICES**

PARTICULAR	AMOUNT	AMOUNT
Prospectus Sale	1350.00	19,450.00
Tendor Form Sale	222000.00	18,500.00
Consultancy Fee	4185539.00	3739029.00
Testing Fee	5109686.00	4352806.00
TOTAL	9518575.00	8129785.00

SCHEDULE- L**FEES/SUBSCRIPTION**

PARTICULAR	AMOUNT	AMOUNT
Admission Fee DFCR	0.00	68585.00
Fees Collection by bank	0.00	37063831.00
Tuition Fees	64617742.00	467740.00
Alumni fees	211000.00	0.00
Development fees	1744350.00	100015.00
late fees	39119.00	0.00
Prospectus fee	4900.00	0.00
Magazine fees	14700.00	0.00
Enrollment Fee	84300.00	0.00
Institute Fee	800850.00	0.00
Sports fees	17150.00	0.00
Stationery fees	8820.00	0.00
Training & placement fees	5880.00	0.00
TOTAL	67548811.00	37700171.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR**SCHEDULES FORMING PART OF THE BALANCE SHEET****SCHEDULE- M****INTEREST RECEIVED**

	31.03.2010	31.03.2009
PARTICULAR	AMOUNT	AMOUNT
Interest on FDR	25980970.00	5412902.00
Interest on Savings	380074.00	1973359.00
Bank charges refund by bank	22396.00	0.00
TDS On Fixed deposit refunded	1832390.00	0.00
TOTAL	28215830	7386261

SCHEDULE- N**OTHER FEES**

PARTICULAR	AMOUNT	AMOUNT
Exam Fees	8333543.00	9500894.00
MCA Registration fees	0.00	550000.00
Library Fees DFCR	14700.00	21736.00
Misc Fees DFCR	147329.00	170786.00
Recruitment Fees	31600.00	380979.00
M Tech Application Fee	93500.00	0.00
Exam Conduct received	120580.00	0.00
PHD Fee	128180.00	0.00
Short Term course Fees	0.00	34500.00
TOTAL	8869432.00	10658895.00

SCHEDULE- O**OTHER INCOME**

PARTICULAR	AMOUNT	AMOUNT
Electric & water charges received	117805.00	124338.00
House and other rent	86115.00	88227.00
Information rights	3833.00	3051.00
Misc received	55530.00	207353.00
Photocopy library received	2541.00	12054.00
Fine Received	56608.00	64140.00
PTDC Revenue	0.00	18545.00
Education Verification	0.00	1500.00
NIMCET 09	100000.00	0.00
Guest house charges	9000.00	0.00
Science and Technology received	187864.00	0.00
Unreconciled opening balances	0.00	120294.00
PMGSY (Received-Distributed)	0.00	803276.00
Expenses reimbursed from Testing/Consultancy	56290.00	0.00
Interest on Advances	256790.00	0.00
TOTAL	932376.00	1442778.00

SCHEDULE- P**HOSTEL FEES**

PARTICULAR	AMOUNT	AMOUNT
Hostel (Non campus) Rent received	652810.00	308000.00
Hostel and Electricity Charges received	3499500.00	5183662.00
Hostel room Rent	158000.00	743978.00
TOTAL	4310310.00	6235640.00

NATIONAL INSTITUTE OF TECHNOLOGY**SCHEDULES FORMING PART OF THE BALANCE SHEET****SCHEDULE- Q
ESTABLISHMENT EXPENSES**

	31.03.2010	31.03.2009
PARTICULAR	AMOUNT	AMOUNT
Paid to P.T.D.C. staff	0.00	54976.00
Paid to Contract Staff	24134030.00	14038686.00
Paid to Part time & contract lecturers	91990.00	6337012.00
Paid to regular staff	51053514.00	28737459.00
DA Arrears	1433088.00	4422915.00
Pay Arrears	31221341.00	5390478.00
Children education allowance	486276.00	0.00
Pay State Office	0.00	207185.00
Pay (Contract Employee) of State Office	0.00	116338.00
GPF/GIS Director salary	54180.00	0.00
Director Leave salary remittance	74250.00	25016.00
Director Pension remittance	138000.00	52307.00
Leave Salary	21595.00	81467.00
LTC expenses	836547.00	328578.00
LTC Advance	0.00	522172.00
mobile Allowances	0.00	48251.00
Contribution to (CG,GPF,GIS)	3108851.00	2925658.00
DPF challan	174440.00	314862.00
FBF challan	360.00	390.00
GIS	207600.00	0.00
Daily Wages	838603.00	964585.00
Bonus to Staff	0.00	156422.00
Honorarium(Dean)	140670.00	0.00
Income tax on salary	15774134.00	3325443.00
Pension and Gratuity	6403286.00	0.00
Telephone facility to staff	322488.00	0.00
Building cleaning & Maintanance	0.00	55123.00
Embezzlement in salary(W/o)	257028.00	0.00
Housekeeping Cleaning Material	0.00	428079.00
TOTAL	136772271.00	68533402.00

**SCHEDULE- R
EXAM EXPENSES**

PARTICULAR	AMOUNT	AMOUNT
AICTE exam remuneration to staff	197775.00	700525.00
AICTE exam expenses	0.00	16714.00
PHD Fees CSVTU	0.00	15043.00
CSVTU Exam Remuneration	524108.00	938735.00
CSVTU Exam. Expenses	0.00	44111.00
Registrar RSU Raipur	0.00	2060.00
Exam fees to RSU	161897.00	167890.00
Exam expenses of RSU	25000.00	4774.00
Exam department Expenses	368419.00	453526.00
Exam revaluation remuneration	876880.00	0.00
Exam conduct payments	99880.00	78200.00
NIMCET 09 expenses	38590.00	0.00
TOTAL	2292549.00	2421578.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

SCHEDULE- S

ADMINISTRATIVE EXPENSES

	31.03.2010	31.03.2009
PARTICULAR	AMOUNT	AMOUNT
Consultancy charges & expenses	1059503.00	1179760.00
Conveyence expenses	2660.00	0.00
Testing charges paid	1933613.00	1228948.00
Service Tax	965506.00	1017124.00
Income tax on Testing/Consultancy Remunetarion	821560.00	0.00
Bank Charges	34609.00	37105.00
NIT Transit house contribution	150000.00	150000.00
Donation for prizes	10000.00	0.00
Training & placement expenses	212559.00	127213.00
HODs/Deans etc meeting expenses	118644.00	63561.00
E-TDS return filling charges	7393.00	3012.00
Functions & activities expenses	472094.00	366894.00
Meeting expenses	239941.00	335792.00
Accounting charges	0.00	48000.00
Advertisement	1271711.00	758340.00
Aluminai Expenses	718750.00	0.00
Audit expenses	83283.00	76034.00
Contingent & Labour charges Ex	0.00	24936.00
Internet charges and Web maintainance	1266604.00	477377.00
Inter NIT sports expenses	149892.00	0.00
Legal Expenses	131080.00	225843.00
Miscellaneous expenses	49092.00	175264.00
Postage & stamp Expenses	80000.00	50700.00
Printing & Stationery charges	806689.00	1021151.00
Travelling and Hotel expenses	491767.00	421541.00
Recruitment expenses	128224.00	1039035.00
Library Expenses	86375.00	89312.00
Medical grant & expenses	401571.00	276383.00
Minor equipment expenses	0.00	157713.00
Water, Electricity & Telephone charges	7443601.00	6740961.00
Scholarship	0.00	478834.00
Ground maintainance	67985.00	0.00
Student Activity	232416.00	242643.00
Fuel charges	109695.00	74788.00
Vehicle Repairs and Maintainance	73190.00	18497.00
Insurance charges	90831.00	0.00
Sports, Yoga and other activity	110111.00	0.00
Translation expenses	20650.00	0.00
Registration fee	28550.00	0.00
Refreshment expenses	3888.00	0.00
Professional fees	50800.00	0.00
Extra amount debited by bank	17000.00	0.00
Office upkeep expenses	9346.00	0.00
Honorarium	27000.00	0.00
Loss by theft	0	217350.00
TOTAL	1,99,78,183.00	1,71,24,111.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR**SCHEDULES FORMING PART OF THE BALANCE SHEET****SCHEDULE- T
DEPARTMENTAL OPERATING EXPENSES**

	31.03.2010	31.03.2009
PARTICULAR	AMOUNT	AMOUNT
Computer consumable expenses	677922.00	414318.00
Computer repair and maintainance	80190.00	0.00
AC repair and maintainance	59564.00	0.00
Lab Consumable	150938.00	336556.00
Seminar & conference expenses	241988.00	240391.00
Architecture Council Fees	26028.00	70123.00
Attending Workshop	0.00	17415.00
Department Misc Expenses	71500.00	136459.00
Department maintainance expenses	60138.00	0.00
Department consumable expenses	153262.00	0.00
Educational Tour	0.00	20299.00
Workshop expenses	109018.00	233723.00
Guest lectures	5718.00	0.00
Training programme	36034.00	0.00
Photocopy machine repair	143680.00	0.00
Project work expenses	19953.00	0.00
Repair and maintainance furniture	28402.00	0.00
Repair and maintainance instruments	136508.00	0.00
Research expenses to faculty	6361.00	0.00
Short term course expenses	113520.00	0.00
Technical events	17883.00	0.00
Laptop Reimbursement expenses	1189276.00	558848.00
	3327883.00	2028132.00

**SCHEDULE- U
HOSTEL EXPENSES**

PARTICULAR	AMOUNT	AMOUNT
Hostel electric	538146.00	284083.00
Hostel Rent	944861.00	1633565.00
Hostel Telephone	0.00	1030.00
TOTAL	1483007.00	1918678.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR**SCHEDULES FORMING PART OF THE BALANCE SHEET****SCHEDULE- V****ESTATE OFFICE EXPENSES (Maintenance Expenses)**

	31.03.2010	31.03.2009
PARTICULAR	AMOUNT	AMOUNT
Estate maintainance and labour charges	45683.00	661888.00
Guest house expenses	0.00	40683.00
Gardning & Horticulture	96420.00	35208.00
Other Maintainance expenses	81524.00	59770.00
Mobile purchase	0.00	2000.00
Electrical maintainance	397237.00	0.00
Repair & Maintenance to College Building	599509.00	1239603.00
Repair & Maintenance to Hostel Building	434032.00	686551.00
Repair & Maintenance to Staff Quarters	520778.00	289717.00
Security service expenses	1992819.00	1836541.00
Sanitary/cleaning Expenses	38482.00	123360.00
TOTAL	4206484.00	4975321.00

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

SCHEDULES FORMING PART OF THE BALANCE SHEET

Schedule- G :

(A) Fixed Assets

S.No.	Description of assets	Cost as on 01.04.2009	Addition during during the year	Disposal / Transfer of ASsets	Depre ciation	Cost as on 31.03.2010
1	Air Conditioners	13,74,079.00	3,95,500.00	-	-	17,69,579.00
2	AC Stabilizers		23,850.00			23,850.00
3	Ambassador Car	4,72,356.00				4,72,356.00
4	Bus Purchase	26,12,132.00	1,000.00			26,13,132.00
5	Campus development	19,70,089.00	-1,91,899.00	-	-	17,78,190.00
6	Computer & Networking	4,12,51,754.00	41,26,921.00			4,53,78,675.00
7	Cooler Purchase	56,092.00	1,97,070.00			2,53,162.00
8	Digital Duplicating Machine(RISO)	6,89,304.00				6,89,304.00
9	Digital Storage Oscilloscope	0.00	9,60,684.00			9,60,684.00
10	Washing machine	0.00	10,000.00			10,000.00
11	DIR Bunglow Furniture	1,14,815.00				1,14,815.00
12	DIR Bunglow AC	1,97,842.00				1,97,842.00
13	Drawing Board of Arch.	0.00	99,174.00			99,174.00
14	Education Software	54,83,455.00	5,43,935.00			60,27,390.00
15	Eletrical & Light fitting	16,59,070.00	6,07,651.00	-	-	22,66,721.00
16	Equipment & Instruments	1,16,77,973.00	1,12,037.00	-	-	1,17,90,010.00
17	Exam Department Software	49,000.00				49,000.00
18	Fans	6,750.00	22,890.00			29,640.00
19	Fax Machine	45,882.00	9,278.00			55,160.00
20	Furniture & Fixtures	73,41,408.00	2,74,526.00	-	-	76,15,934.00
21	Gas Pipeline Installation	86,569.00				86,569.00
22	Gyser	14,577.00	5,085.00			19,662.00
23	Green Board	13,104.00				13,104.00
24	Gym and Sports equipment	4,53,507.00	1,21,720.00	-	-	5,75,227.00
25	Hostel Building Construction	0.00				-
26	Infrastruture for traning and placement	6,95,000.00		-	-	6,95,000.00
27	Laboratory development	11,82,655.00	13,68,513.00			25,51,168.00
28	Library Books/Journals	43,10,994.00	41,55,449.00			84,66,443.00
29	Mobile purchase	0.00	32,736.00			32,736.00
30	Motor Cars	6,76,346.13				6,76,346.13
31	Musical Instrument	0.00	35,140.00			35,140.00
32	Notice Board and White board	4,25,569.00	6,923.00			4,32,492.00
33	Office equipment	6,590.00		-	-	6,590.00
34	Oscilloscopes monochrome model	3,06,665.00		-	-	3,06,665.00
35	Photocopier Machine	15,75,952.00	3,28,323.00	-	-	19,04,275.00
36	Projector Purchase	15,27,078.00	14,373.00	-	-	15,41,451.00
37	Refridgerator	1,11,100.00	18,300.00			1,29,400.00
38	Risograph Machine	28,090.00				28,090.00
39	Spectrum Analyzer	0.00	7,88,962.00			7,88,962.00
40	Streetlight fitting	10,58,416.00				10,58,416.00
41	Telephonoc shower,DIR Bunglow	14,000.00				14,000.00
42	T.V. Purchase	1,18,060.00		-	-	1,18,060.00
43	UPS	0.00	9,93,506.00			9,93,506.00
44	Voltage Stablizer	0.00	57,530.00			57,530.00
45	Water Cooler and filter	13,27,755.00		-	-	13,27,755.00
46	Water purifier	9,550.00	50,330.00	-	-	59,880.00
47	Wheel chair	6,818.00		-	-	6,818.00
48	Writing boards	0.00	6,89,500.00			6,89,500.00
	Grand Total	8,89,50,396.13	1,58,59,007.00	0.00	0.00	10,48,09,403.13

(B) Capital Work in Progress	6,24,67,315.00	14,65,26,750.00				20,89,94,065.00
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NOTES TO THE ACCOUNTS

1. The accounts of the Institute are prepared under cash basis of accounting.
2. Fixed Assets are stated at Acquisition Cost. Depreciation is not provided.
3. The income of the Institute is exempted under sub clause (iiiab) of clause (23C) of section 10 of the Income tax act, hence no tax liability arises.
4. Previous year figures have been regrouped and rearranged wherever found necessary to make them comparable with the current year figures.
5. A correction entry amounted to Rs.11.25/- lakh passed, transferring balance from tuition fees to caution money to reinstate the balance in Caution money head.

Registrar
N.I.T. Raipur