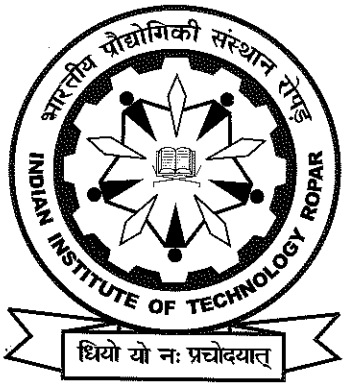
INDIAN INSTITUTE OF TECHNOLOGY ROPAR
भारतीय प्रौद्योगिकी संस्थान रोपड़

Annual Report 2011-2012

ANNUAL REPORT
2011-2012



INDIAN INSTITUTE OF TECHNOLOGY ROPAR
Nangal Road, Rupnagar, Punjab-140001 (INDIA)

Students as on 31.03.2012		
Course	Admission	On Roll
B.Tech	111	437
Ph.D	21	45

Receipts	Payments
Amount (Rs.)	Amount (Rs.)
605640296	605640296

Research Projects	
No.	Outlay (Rs.)
14	26806767

IIT ROPAR AT A GLANCE

Visitors: 15

Publications: 130

Staff	
Faculty	Non - Teaching Staff
48	31

CONTENTS

Preface

The Indian Institute of Technology Ropar (IIT Ropar) is one of the eight new IITs set up by the Ministry of Human Resource Development (MHRD), Government of India, to expand and enhance the quality of technical education in the country. The Ministry of Human Resource Development (MHRD), Govt. of India, vide its Notification dated 9 May 2008 decided that the Indian Institute of Technology Delhi would mentor the setting up of IIT Ropar. The foundation stone of the Institute was laid on 24 February 2009. IIT Ropar is registered as a Society under the Societies' Registration Act 1860 on 29 July 2008. The Institute is currently operating from a transit campus, which was earlier occupied by the Government Polytechnic for Women. The transit campus was inaugurated on 19 August 2009 and the classes commenced on 20 August 2009 at transit campus. Professor M.K. Surappa joined as the first Director of the Institute on 10 June 2009 and Shri A. Palanivel joined as the first Registrar on 10 July 2009.

IIT Ropar is committed to provide state-of-the-art technical education in a variety of fields and also to facilitate transmission of knowledge in keeping with the latest developments in pedagogy. These two areas of focus will enable students to gain exposure to recent trends in their chosen domains of study and practical experience through a wide variety of activities that the Institute facilitates in its own campus and arranges for collaboration with industry and other Institutes. At the transit campus, arrangements have been made for classes, laboratories, hostels and faculty accommodation. In due course of time, the Institute will shift to the main campus.

IIT Ropar is located at Rupnagar (formerly known as Ropar) town of district Rupnagar in Punjab. Rupnagar was founded in the 11th century and was named after Rup Sen, the son of Raja Rokeshar. Recent excavations and explorations conducted at Rupnagar indicate that the first settlement here was that of the Harappans, who reached the upper Satluj towards the close of the third millennium B. C. The district has a rich historical and religious significance.

The town of Rupnagar, which is also the district headquarters, is at a distance of 42 kms from Chandigarh, the state capital. Rupnagar is well connected by National Highway NH-21. The Delhi-Ambala-Una railway line passes through Rupnagar and provides good rail connectivity.

The nearest airport is in Chandigarh which is located at a distance of about 50 kms. The Government of Punjab has allocated 501 acres of land on the banks of the river Satluj to IIT Ropar. When completed, the campus will be a self-contained township catering to all the needs of faculty, staff and students.

At present, the Institute offers Bachelor of Technology (B. Tech.) programme in the following disciplines: Computer Science and Engineering, Electrical Engineering and Mechanical Engineering. This programme is spread over a period of eight semesters and the Institute admits forty students in each branch. These students are selected through IIT Joint Entrance Examination conducted every year. In addition, the Institute now offers doctoral programme in several disciplines.

From The Director's Desk

The Indian Institute of Technology Ropar started functioning from the academic year 2008-09 from the campus of IIT Delhi, the mentor institute. The Institute currently operates from the premises of Government Polytechnic College for Women(Ropar). The foundation stone laying ceremony was held on 24 February 2009. Indian Institute of Technology Ropar has been registered as Society under the Societies' Registration Act 1860 on 29 July 2008. The transit campus of IIT Ropar was inaugurated on 19 August 2009. The Indian Institute of Technology Ropar admitted a total of 107 students in 2009, 118 in 2010, 111 in 2011 to different courses and 105 students who were admitted at IIT Delhi for IIT Ropar were moved to the transit campus at the beginning of the Academic Year 2009-10.

The overall academic system for IIT Ropar is designed to provide science-based engineering education with a view to graduate high quality engineers and scientists. The curriculum provides broad-based knowledge and simultaneously builds a temper for life-long learning and exploring. The undergraduate programme begins with a set of science and general engineering courses which are reflected in the course plan for the first year. These courses provide a foundation for further discipline-specific topics.

Taking into account the needs of the curriculum/facilities and infrastructure are being upgraded. The Institute has been actively involved in collaborative programmes with national and international organisations/universities, to remain at the forefront of scientific and technological development and to share the knowledge for mutual benefits.

The Institute also undertakes a number of research and consultancy projects sponsored by a wide spectrum of funding agencies, including the Government and Industry. The Institute has undertaken major research activities in areas of national importance such as quantum optics and quantum control, low energy ion beam physics and material modification, polynomial representation of non-compact knots, unknotting numbers, surface engineering and

friction stir welding, supramolecular synthesis and material chemistry, catalysis and nanochemistry, modelling, vitamin B12 Bioinformatics, renewable energy, heat transfer, nanofluids, material processing, manufacturing, microstructure property relationship, composites, adaptive signal processing and wireless communications, archival research on the history of education, history of political philosophy.

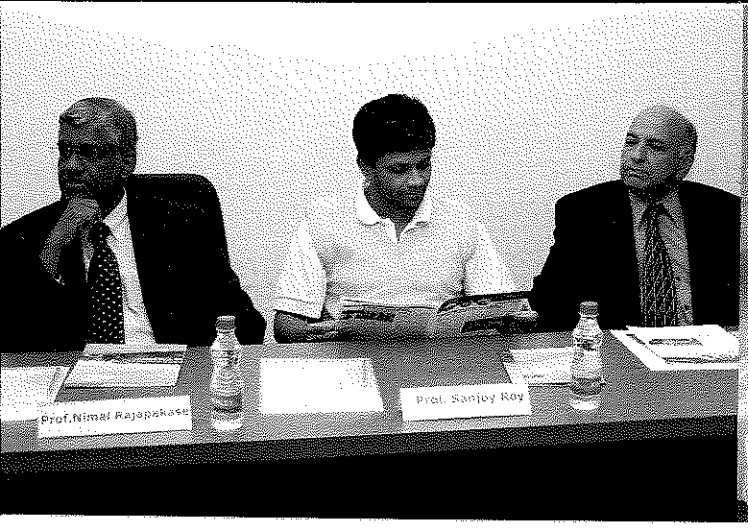
Our greatest assets are highly qualified faculty members, visiting professors, visiting scientists, non-academic staff and an outstanding body of students.

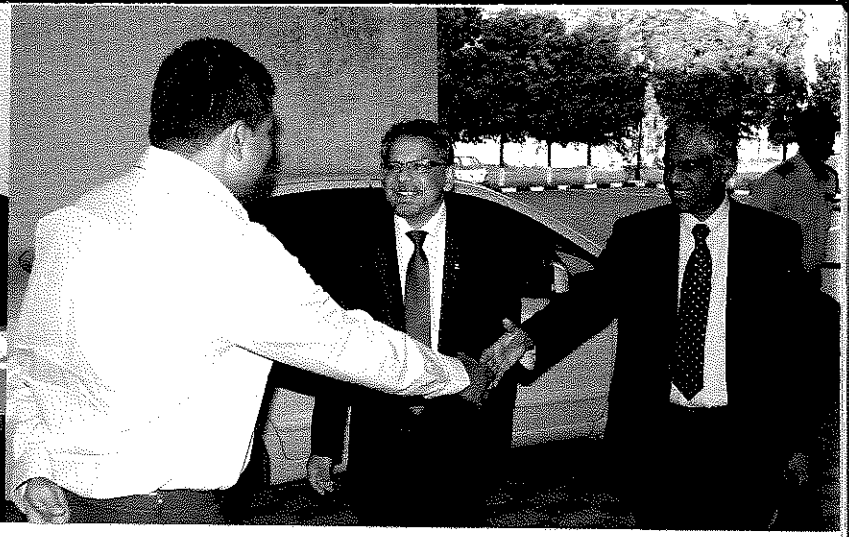
The Institute has provided adequate funds to the departments for the upgradation of laboratories and creation of research facilities. In addition adequate start-up travel account provided to new faculty members. This has enabled our faculty to take up research projects in frontier and emerging areas.

The Institute is actively involved in collaboration programmes with international organisations/ universities. Our institute has collaborated with several universities in the UK, including Imperial College London and Aston University, MOUs have been signed with the Imperial college and GRPE of UK.

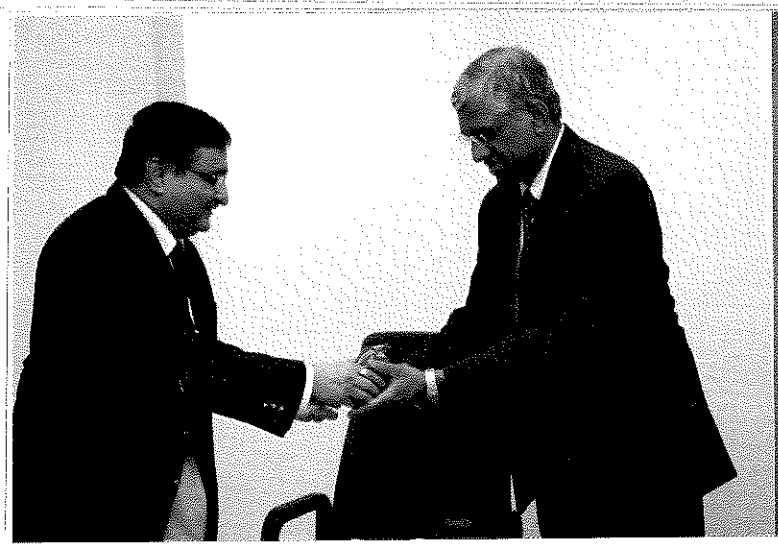
The Training and Placement Cell is actively involved in organising practical training of the undergraduate students and has been playing a catalytic role in finding placements for the final year students.

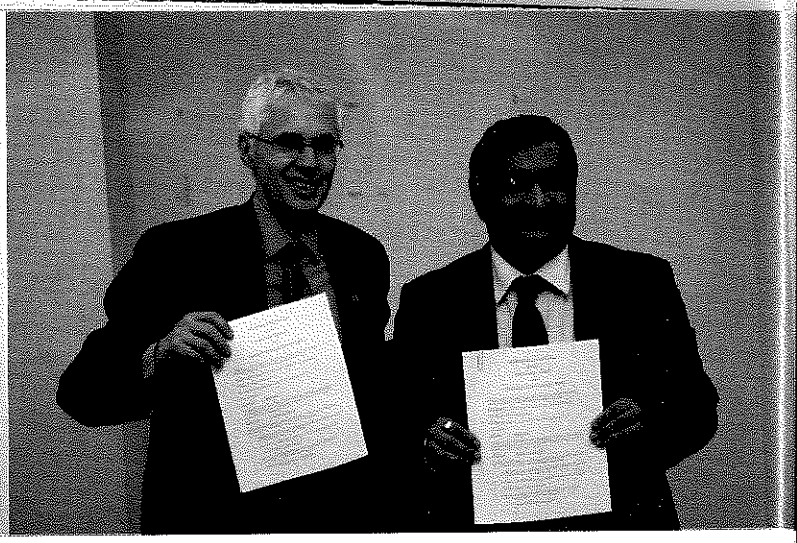
(M K SURAPPA)





Milestone	Date
✦ Date of Notification of IIT Ropar (Mentor Institute IIT Delhi)	9 May 2008
✦ Registered as Society under Societies Registration Act 1860	29 July 2008
✦ Foundation Stone laid on	24 February 2009
✦ First Director of the Institute joined on	10 June 2009
✦ First Registrar of the Institute joined on	10 July 2009
✦ Inauguration of the Transit Campus	19 August 2009
✦ Commencement of Classes at the Transit Campus	20 August 2009





MISSION AND OBJECTIVES

IIT Ropar offers teaching and research in Engineering and Applied Sciences as well as in Humanities and Social Sciences. The Institute aims

- To establish a robust teaching environment.
- To facilitate and support cutting-edge research.
- To acquaint the students with the latest developments in their respective areas of study.
- To inspire the students to pursue their own research interests.
- To encourage its faculty members to initiate research work.
- To develop strong collaboration with academic/research institutions and industry.

BOARD OF GOVERNORS

CHAIRMAN

1. Dr. T. Ramasami
   Secretary to Government of India
   Department of Science and Technology
   Technology Bhawan
   New Mehrauli Road
   New Delhi - 110 016

MEMBERS

2. Prof. M. K. Surappa
   Director
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar - 140 001
   Punjab

3. Shri Ashok Thakur
   Special Secretary (Higher Education)
   Ministry of Human Resource Development
   Room No. 120, C-Wing
   Shastri Bhawan
   New Delhi - 110 001

4. Shri S. C. Agrawal
   Chief Secretary to Government of Punjab
   Punjab Civil Secretariat
   Chandigarh - 160 001

5. Shri Siddharth Shriram
   Chairman, Usha International Ltd
   Corporate Office
   Plot No. 3, Institutional Area
   Sector - 32, Gurgaon - 122 001
   Haryana

6. Shri S. K. Munjal
   C.E.O
   Hero Corporate Services
   E - 1, Qutab Hotel Complex
   Shahid Jit Singh Marg
   New Delhi - 110 016

BOARD OF GOVERNORS

7. Dr. H. R. Bhojwani
   D – 267, Sarvodaya Enclave
   New Delhi – 110 017

8. Prof. S.M. Ishtiaque
   Deputy Director (Admn.)
   Indian Institute of Technology Delhi
   Hauz Khas, New Delhi – 110 016

9. Prof. P.K. Raina
   Head
   Department of Physics
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar – 140 001

SPECIAL INVITEE

10. Prof. R.K. Shevgaonkar
    Director
    Indian Institute of Technology Delhi, Hauz Khas
    New Delhi- 110 016

SECRETARY

11. Sh. A. Palanivel
    Registrar
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar - 140 001
    Punjab

FINANCE COMMITTEE

CHAIRMAN

1. Dr. T. Ramasami
   Secretary to Government of India
   Department of Science and Technology
   Technology Bhawan
   New Mehrauli Road
   New Delhi – 110 016

MEMBERS

2. Prof. M. K. Surappa
   Director
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar - 140 001
   Punjab

3. Shri Ashok Thakur
   Special Secretary (Higher Education)
   Ministry of Human Resource Development
   Room No. 120, C-Wing
   Shastri Bhawan
   New Delhi – 110 001

4. Shri A.N. Jha
   Joint Secretary & Financial Advisor
   Ministry of Human Resource Development
   Department of Higher Education
   Shastri Bhawan
   New Delhi-110 001

5. Prof. R.K. Shevgaonkar
   Director
   Indian Institute of Technology Delhi
   Hauz Khas
   New Delhi- 110 016

SECRETARY

6. Sh. A. Palanivel
   Registrar
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar - 140 001
   Punjab

BUILDING AND WORKS COMMITTEE

CHAIRMAN

1. Prof. M. K. Surappa
   Director
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140 001 Punjab

MEMBERS

2. Prof. A. Sridharan
   40, West Park Road
   Between 13th & 14th Cross
   Malleswaram
   Bangalore-560 003

3. Er. S. Ramanujam
   C/o S.S. Rajan
   New No. 7, Old No. 4, 1st Floor
   Mannar Reddy Street
   T. Nagar, Chennai-600 017

4. Er. A. K. Sarin
   840, Sector 17
   Faridabad – 121 002

SECRETARY

5. Sh. A. Palanivel
   Registrar
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar - 140 001
   Punjab

CHAIRMAN

1. Prof. M. K. Surappa
   Director
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140 001
   Punjab

MEMBERS

2. Prof. N. Sathyamurthy
   Director
   Indian Institute of Science Education and Research
   MGSIPAP Complex
   Sector-26
   Chandigarh-160 014

3. Prof. Ranbir Chander Sobti
   Vice-Chancellor
   Punjab University
   Chandigarh-160 014

4. Prof. P. K. Raina
   Professor and Head
   Department of Physics and Chemistry
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140 001
   Punjab

5. Prof. Sanjoy Roy
   Professor and Head
   Department of Electrical Engineering
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140 001
   Punjab

6. Dr. Daya Ram Gaur
   Associate Professor & Head
   Department of Computer Science & Engineering and Mathematics
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140 001
   Punjab

7. Dr. M. Prabhakar
   Assistant Professor
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140 001 Punjab

8. Dr. Harpreet Singh
   Assistant Professor
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140 001 Punjab

9. Dr. R. Srivastava
   Assistant Professor
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140 001
   Punjab

10. Dr. Rajyashree K Lahiri
    Associate Professor & Head,
    Department of Humanities & Social Sciences
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

11. Dr. J.S. Sahambi
    Associate Professor
    Department of Electrical Engineering
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

12. Dr. Narender Singh
    Assistant Professor
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

SPECIAL INVITEE

13. Prof. S. M. Ishtiaque
    Deputy Director (Administration)
    Indian Institute of Technology Delhi
    Hauz Khas
    New Delhi-110 016

14. Prof. S. R. Kale
    Professor
    Department of Mechanical Engineering
    Indian Institute of Technology Delhi
    Hauz Khas
    New Delhi-110 01

SECRETARY

14. Sh. A. Palanivel
    Registrar
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar - 140 001
    Punjab

The IITs are administered centrally by the IIT Council, an apex body established by the Government of India to co-ordinate activities of these Institutes. Hon`ble Minister for Human Resource Development, Government of India is the Chairman of the Council.

THE KEY OFFICIALS OF IIT ROPAR

S. No.	Designation	Name
1.	Director	Prof. M.K. Surappa
2.	Professor-In-charge (Academic & Research)	Prof. P. K. Raina
3.	Professor-In-charge (Student Affairs)	Prof. Sanjoy Roy
4.	Registrar	Shri A. Palanivel
5.	Head, Deptt. of Physics	Prof. P. K Raina
6.	Head, Deptt. of Electrical Engineering	Prof. Sanjoy Roy
7.	Head, Deptt. of Computer Science	Dr. Daya Ram Gaur
8.	Head, Deptt. of Humanities and Social Sciences	Dr. Rajyashree K. Lahiri
9.	Coordinator, SMMEE	Dr. Harpreet Singh
10.	Coordinator, Deptt. of Chemistry	Dr. Narinder Singh
11.	Coordinator, Deptt. of Mathematics	Dr. M. Prabhakar
12.	PG Coordinator	Dr. Rajendra Srivastava
13.	UG Coordinator	Dr. M. Prabhakar
14.	Faculty In-charge (Library)	Dr. Daya Ram Gaur
15.	Faculty In-charge (Training and Placement)	Dr. Nitin Auluck
16.	Faculty In-charge (Guest House)	Dr. C. Chakradhar Reddy
17.	Hostel Wardens	i) Dr. Manoranjan Mishra ii) Dr. Rano Ringo iii) Dr. T. J. Dhilip Kumar iv) Dr. Somedev Kar
18.	Deputy Librarian	Dr. Dinesh K. S.
19.	Deputy Registrar	Shri Ravinder Kumar
20.	Executive Engineer	Shri T.S. Anand
21.	Assistant Registrar	Shri Lagvish Kumar

FACULTY MEMBERS JOINED DURING THE YEAR 2011-12

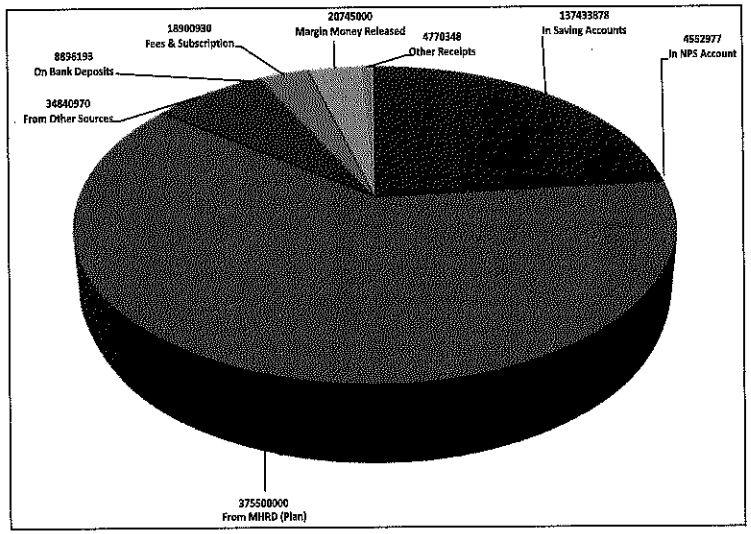
S. No.	Name	Designation	Department
1.	Dr. Rajyashri K. Lahari	Associate Professor	Humanities & Social Sciences
2.	Dr. Kamal K. Choudhary	Assistant Professor	Humanities & Social Sciences
3.	Dr. Malini Tantri	Visiting Scholar	Humanities & Social Sciences
4.	Dr. Deepti R. Bathula	Assistant Professor	Computer Science and Engg.
5.	Dr. Anil Seth	Visiting Faculty	Computer Science and Engg.
6.	Dr. Ashutosh Mishra	Visiting Faculty	Computer Science and Engg.
7.	Dr. Jitendra Prasad	Assistant Professor	School of Mechanical, Materials and Energy Engineering (SMMEE)
8.	Dr. Prabir Sarkar	Assistant Professor	SMMEE
9.	Dr. Ranjana Sodhi	Assistant Professor	Electrical Engineering
10.	Dr. Kalaga Venu Madhav	Assistant Professor	Electrical Engineering
11.	Dr. C. Chakradhar Reddy	Assistant Professor	Electrical Engineering
12.	Dr. Aashia Rahman	Assistant Professor	Electrical Engineering
13.	Dr. Ravibabu Mulaveesala	Assistant Professor	Electrical Engineering
14.	Dr. Dharmendra Tripathi	Visiting Faculty	Mathematics

NON-FACULTY STAFF JOINED DURING THE YEAR 2011-12

S. No.	Name	Designation	Department/ Section
1.	Sh. T.S. Anand	Executive Engineer	Works & Estate
2.	Sh. Abhinav Raj	Junior Engineer (Electrical)	Works & Estate
3.	Sh. Sanjeev Bhardwaj	Junior Engineer (Civil)	Works & Estate
4.	Sh. Vijay Kumar	Junior Superintendent	Store & Purchase Section
5.	Sh. Amod Kanhere	Junior Superintendent	Director Office
6.	Sh. Ashish Kumar Singh	Junior Superintendent	Store & Purchase Section
7.	Sh. Vipin Kumar	Junior Accounts Officer	Accounts Section
8.	Sh. Jitender Pal	Junior Accountant	Accounts Section
9.	Sh. Ravinder Singh	Junior Assistant	Academic Section
10.	Ms. Sapna	Junior Assistant	Academic section
11.	Ms. Poonam	Junior Assistant	Academic Section
12.	Ms. Poonam Rani	Junior Assistant	Establishment Section
13.	Sh. Inderpreet Singh	Junior Assistant	Student Affairs
14.	Sh. Vikas	Pharmacist	Medical Centre

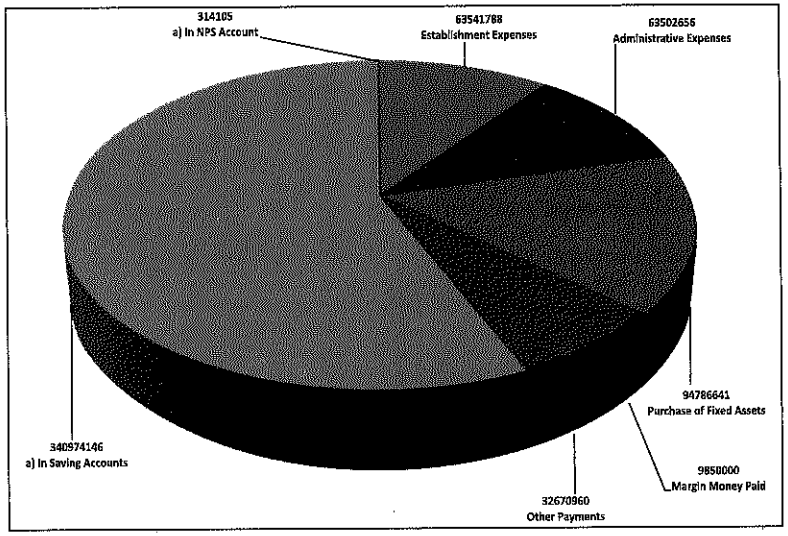
FINANCE & ACCOUNTS

RECEIPTS (Rs.)



RECEIPTS	AMOUNT (Rs.)
Opening Balances	
In saving Accounts	137433878
In NPS Account	4552977
Grant Received From Govt. of India	
From MHRD (Plan)	375500000
From Other Sources	34840970
Interest Received	
On Bank Deposits	8896193
Free & Subscription	18900930
Margin Money Released	20745000
Other Receipts	4770348
Total	**605640296**

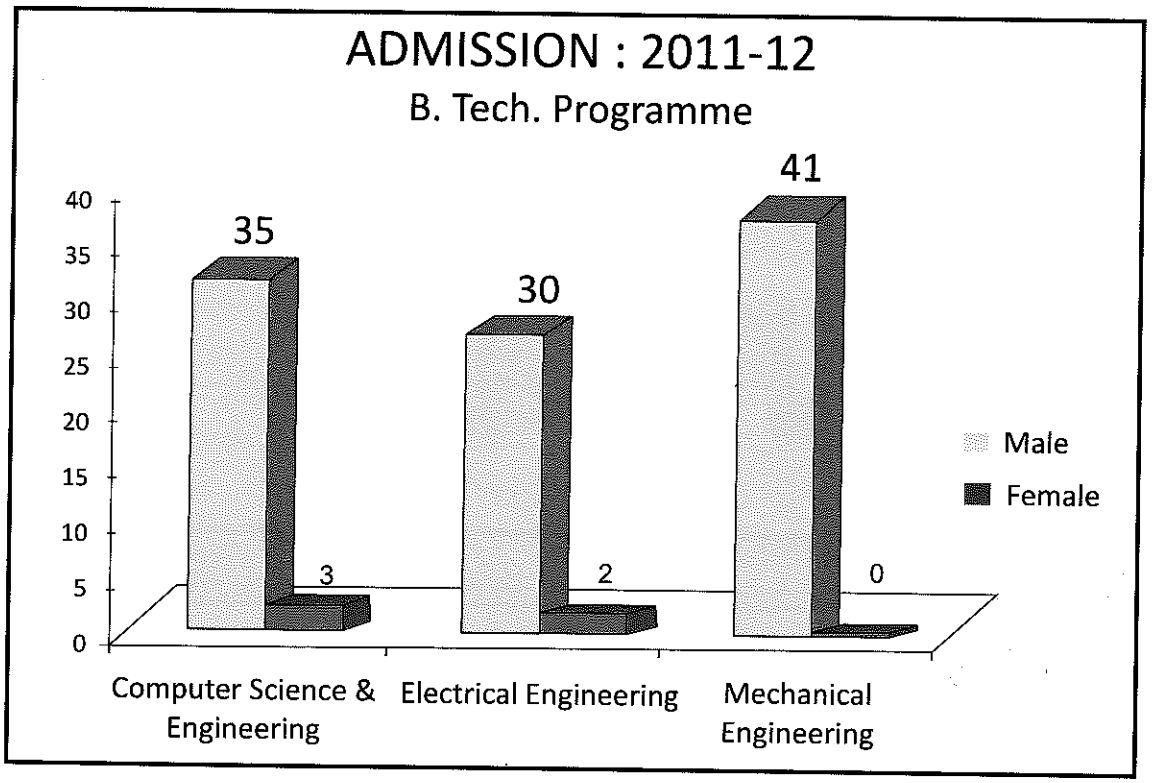
PAYMENTS (Rs.)

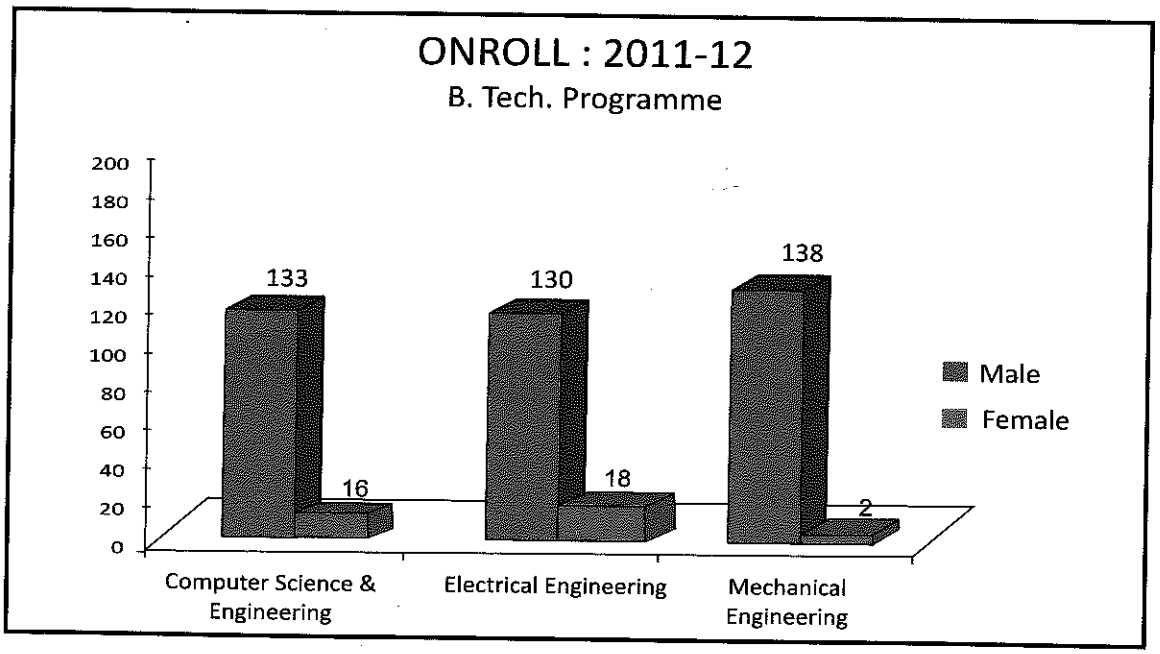


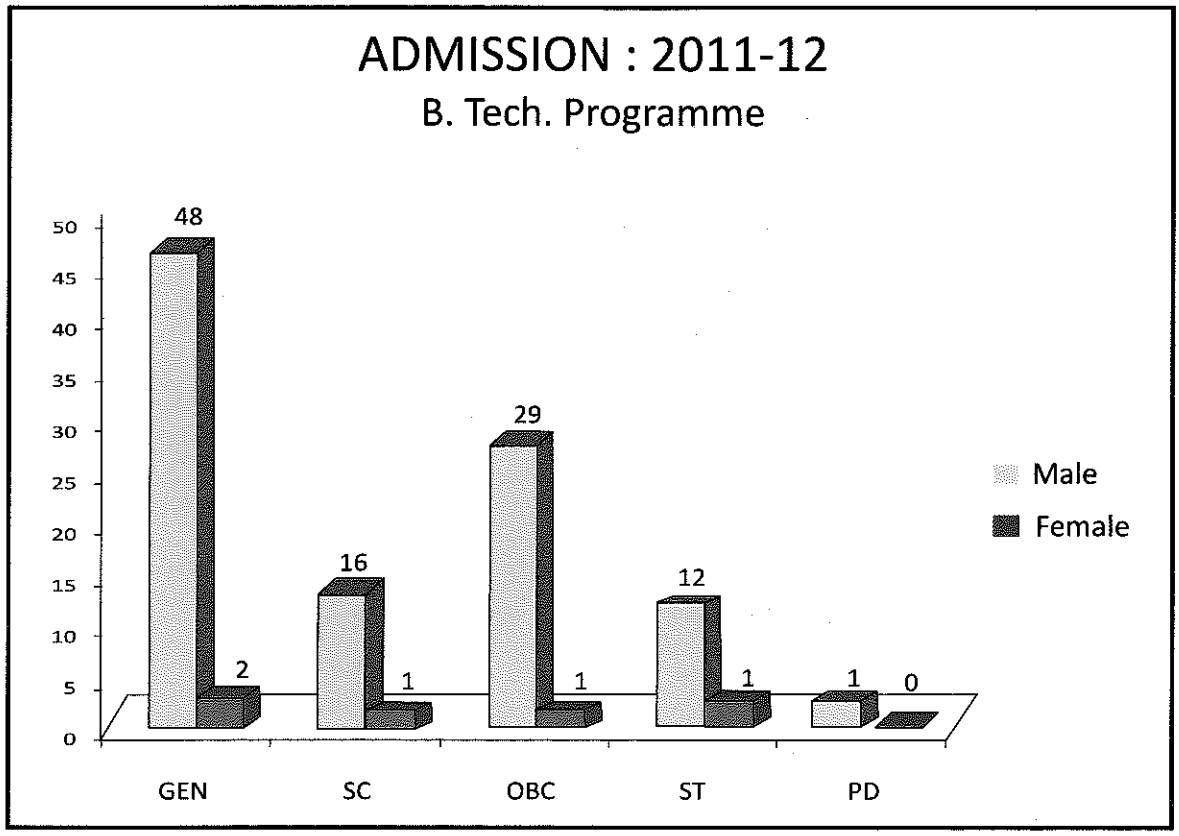
PAYMENTS	AMOUNT(Rs.)
Expenses	
Establishment Expenses	63541788
Administrative Expenses	63502656
Purchase of Fixed Assets	94786641
Margin Money Paid	9850000
Other Payments	3270960
Closing Balance	
a) In Saving Accounts	340974146
b) In NPS Account	314105
Total	**605640296**

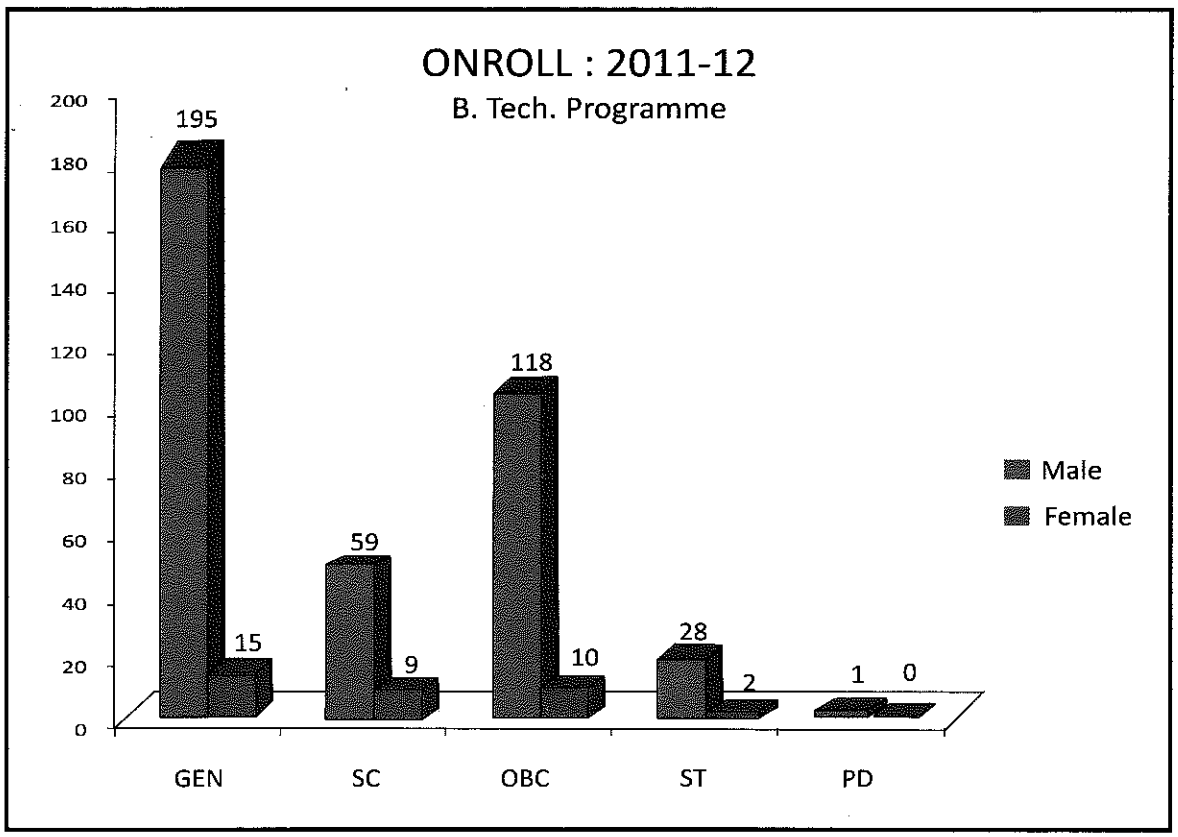
The Institute started functioning from the transit campus from 19 August 2009. The Institute admitted 118 students to the B.Tech. programme during the academic year 2011-2012. These students were selected through the All India Joint Entrance Examination. The Institute offers courses in Computer Science & Engineering, Electrical Engineering and Mechanical Engineering. The detail of students admitted to the various Departments is as follows :-

Distribution of Students According to Discipline and Gender






ADMISSION : 2011-12
B. Tech. Programme
50
45
40
35
30
25
20
15
10
5
0
48
2
16
1
29
1
12
1
1
0
GEN
SC
OBC
ST
PD
Male
Female


ONROLL : 2011-12
B. Tech. Programme
200
180
160
140
120
100
80
60
40
20
0
195
15
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9
118
10
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GEN
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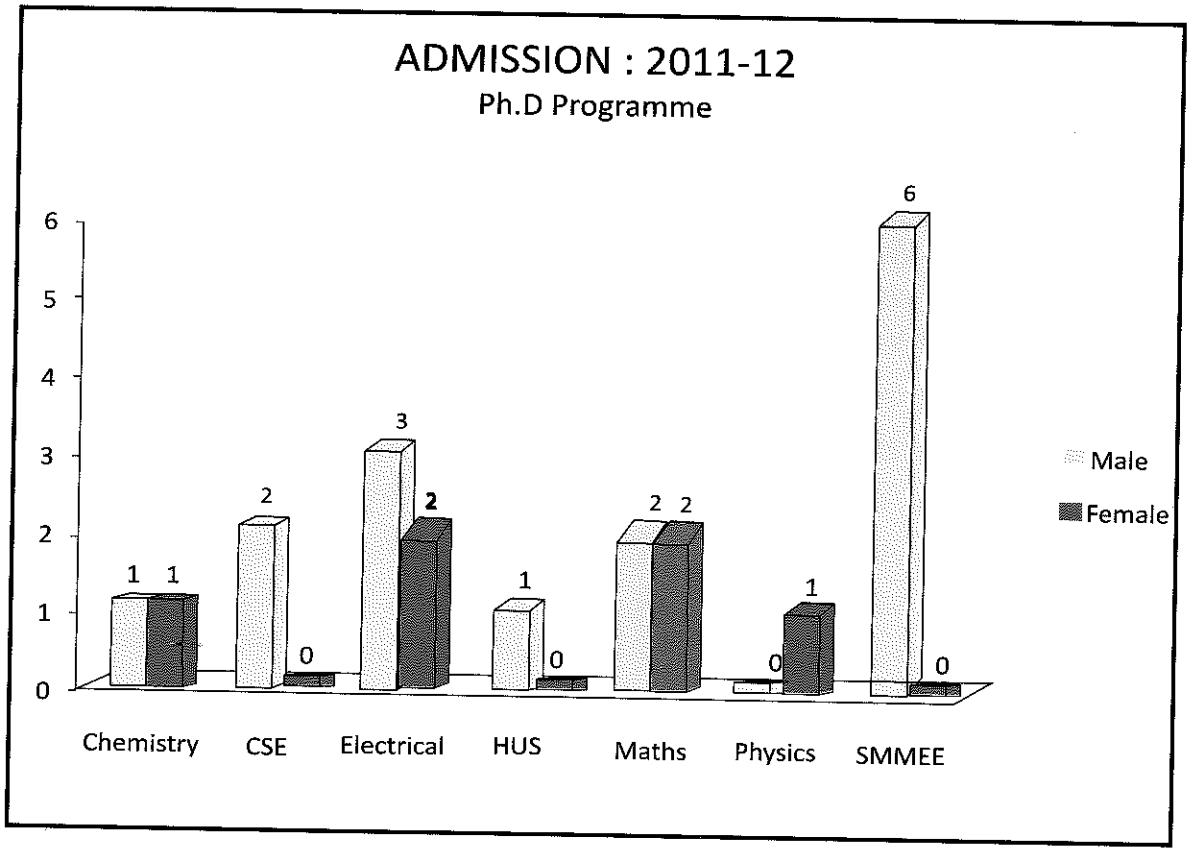
ADMISSION : 2011-12
Ph.D Programme
6
5
4
3
2
1
0
1 1
2
0
3
2
1
0
2 2
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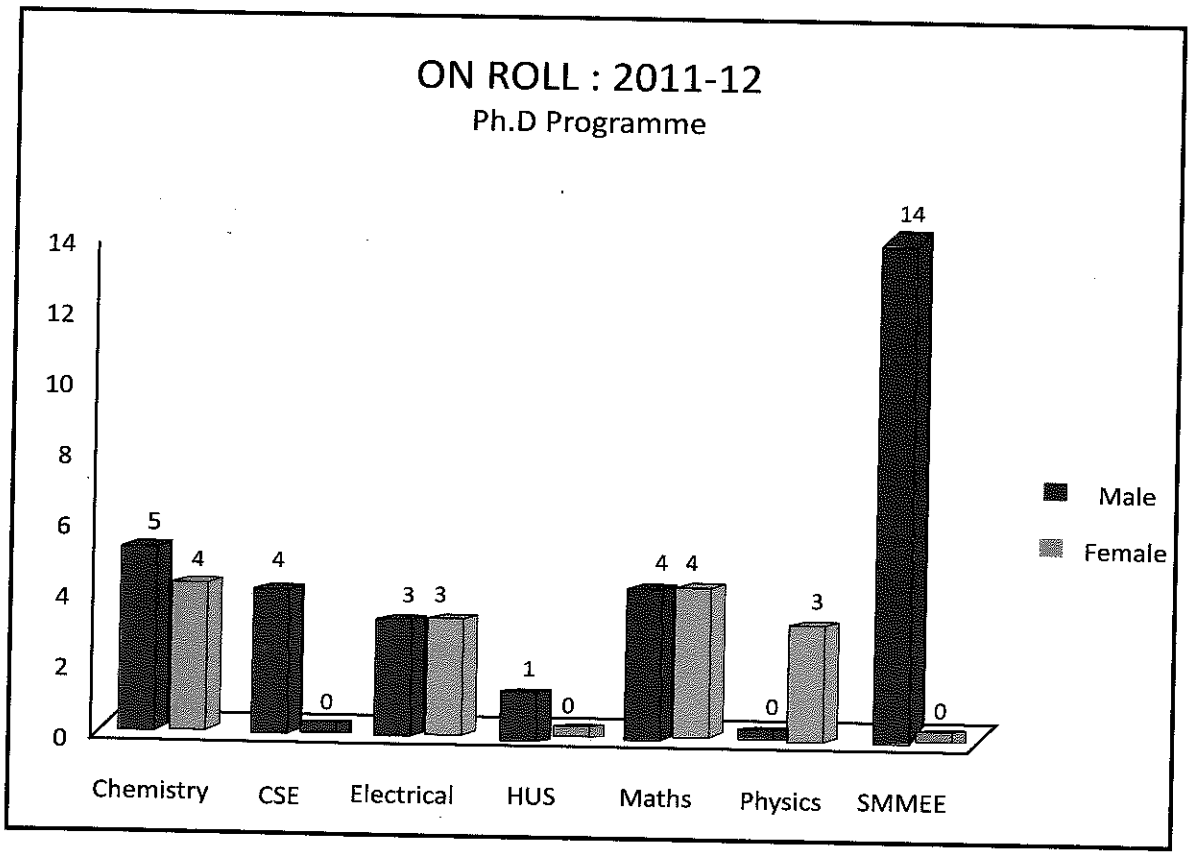
6
0
Male
Female
Chemistry
CSE
Electrical
HUS
Maths
Physics
SMMEE


ON ROLL : 2011-12
Ph.D Programme
14
12
10
8
6
4
2
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5
4
4
0
3 3
1
0
4 4
0
3
14
0
Male
Female
Chemistry
CSE
Electrical
HUS
Maths
Physics
SMMEE

The Institute offers various scholarships to the students.

MERIT-CUM-MEANS SCHOLARSHIP : The Merit-cum-Means scholarship is given to deserving undergraduate students. These are permissible to about 25% of the students. The present value of merit-cum-means scholarship is Rs.1000/- per month for general students and the recipient is exempted from paying tuition fee. The criterion of merit for the first year is the All India Rank in the JEE. The merit-cum-means scholarship has been provided to the following students in the Academic Year 2011-12.

1st Semester of AY 2011-12

S.No.	Entry No.	Name
1.	P2008ME1134	Vivek Vishwakarma
1.	2011CS1008	Gurasis Singh
2.	2011CS1009	Harsimran Singh
3.	2011CS1010	Honey Singla
4.	2011CS1011I	Mroj Qamar
5.	2011CS1015	Medha Gupta
6.	2011CS1017	Naina Bansal
7.	2011CS1022	Navneet Singh
8.	2011CS1033	Sahil Dabra
9.	2011CS1040	Vikas Almal
10.	2011EE1056	Gitesh Agarwal
11.	2011EE1057	Gourav Bansal
12.	2011EE1058	Harshit
13.	2011EE1064	Mishra Satyaprakash Harvansh
14.	2011EE1068	Pulkit Gera
15.	2011EE1069	Rahul Sharma
16.	2011EE1070	Roshan Agarwal
17.	2011EE1073	Suprith B
18.	2011ME1088	Ayush Bagla
19.	2011ME1090	Boddu Venkata Nagarjuna Reddy
20.	2011ME1101	Nitin Jain
21.	2011ME1104	Rakesh Kumar
22.	2011ME1119	Yogesh Singhal

2nd Semester of AY 2011-12

S.No.	Entry No.	Name
1.	2010CS1004	Abhishek K. Arora
2.	2010CS1005	Aditya Gujral
3.	2010CS1007	Amritpal S. Sehzra
4.	2010CS1011	Choudhary Shubham Shriram
5.	2010CS1012	Deepak Garg
6.	2010CS1025	Narender Yadav
7.	2010CS1038	Vikas Choudhary
8.	2010CS1067	Nabh Choudhary
9.	2010CS1082	Tanvi Srivastava
10.	2010EE1048	Ashish Jindal
11.	2010EE1056	Karanpreet Singh
12.	2010EE1057	Kaviya Rawat
13.	2010EE1084	Yajat Sharma
14.	2010ME1088	Abhishek Singh
15.	2010ME1091	Bhupender S. Chugh
16.	2010ME1097	Dev Gurera
17.	2010ME1104	Karanveer Singh
18.	2010ME1114	Nitin Kumar
19.	2010ME1116	Ravi Sharma
20.	2010ME1119	Sanjeev Rawal
21.	2011CS1008	Gurasis Singh
22.	2011CS1009	Harsimran Singh
23.	2011CS1010	Honey Singla
24.	2011CS1011	Imroj Qamar

23.	P2008CS1003	Ashish Kumar Gola
24.	P2008CS1004	Ashish Prasad
25.	P2008CS1005	Betha Sandeep
26.	P2008CS1011	Hardeep Singh Renny
27.	P2008CS1013	Kanumetta Chandrakanth
28.	P2008CS1015	Kumar Ashwani
29.	P2008CS1025	Praveen Kumar Sah
30.	P2008CS1026	Priyanshu Raj
31.	P2008CS1033	Shlok Chaurasia
32.	P2008CS1035	Suresh Kumar Yadav
33.	P2008EE1057	Amit Kumar Singh
34.	P2008EE1058	Ankit Goyal
35.	P2008EE1064	Dhawal Pratap Singh
36.	P2008EE1067	Javed Ali
37.	P2008EE1071	Manish Gupta
38.	P2008EE1073	Neetu Bhadana
39.	P2008EE1074	Niranjan Kumar
40.	P2008EE1077	Pawan Kumar
41.	P2008EE1079	Pooja Yadav
42.	P2008EE1084	Shashank Chaudhary
43.	P2008EE1085	Shoeb Ahmed
44.	P2008ME1102	Abhishek Kumar S.Yadav
45.	P2008ME1103	Aditya Saini
46.	P2008ME1116	Nitin Singhal
47.	P2008ME1123	Rahul Kumar Singh
48.	P2009CS1001	Pravesh Jain
49.	P2009CS1002	Prateek Mukati
50.	P2009CS1005	Rishi Aggarwal
51.	P2009CS1007	Pankaj Verma
52.	P2009CS1012	Kapil Kumar
53.	P2009CS1016	Santosh Kumar
54.	P2009CS1021	Madhu Rani
55.	P2009CS1022	Vikas Yadav
25.	2011CS1015	Medha Gupta
26.	2011CS1017	Naina Bansal
27.	2011CS1022	Navneet Singh
28.	2011CS1033	Sahil Dabra
29.	2011CS1040	Vikas Almal
30.	2011EE1056	Gitesh Agarwal
31.	2011EE1057	Gourav Bansal
32.	2011EE1058	Harshit
33.	2011EE1064	Mishra Satyaprakash Harvansh
34.	2011EE1068	Pulkit Gera
35.	2011EE1069	Rahul Sharma
36.	2011EE1070	Roshan Agarwal
37.	2011EE1073	Suprith B
38.	2011ME1088	Ayush Bagla
39.	2011ME1090	Boddu Venkata Nagarjuna Reddy
40.	2011ME1101	Nitin Jain
41.	2011ME1104	Rakesh Kumar
42.	2011ME1119	Yogesh Singhal
43.	P2009CS1001	Pravesh Jain
44.	P2009CS1002	Prateek Mukati
45.	P2009CS1005	Rishi Aggarwal
46.	P2009CS1007	Pankaj Verma
47.	P2009CS1012	Kapil Kumar
48.	P2009CS1016	Santosh Kumar
49.	P2009CS1021	Madhu Rani
50.	P2009CS1022	Vikas Yadav
51.	P2009CS1030	Akinapally Praveen
52.	P2009CS1036	Vikas Mittal
53.	P2009CS1043	Sonu Kumar Giri
54.	P2009CS1110	Deepak Sachdeva
55.	P2009EE1039	Kolbudhe Sneha

FINANCIAL ASSISTANCE TO STUDENTS

56.	P2009CS1036	Vikas Mittal
57.	P2009CS1043	Sonu Kumar Giri
58.	P2009CS1110	Deepak Sachdeva
59.	P2009EE1039	Kolbudhe Sneha
60.	P2009EE1053	Arun Singh
61.	P2009EE1066	Ankit Bansal
62.	P2009EE1069	Ankush Jain
63.	P2009EE1112	Nikant Vohra
64.	P2009EE1116	Anshul Garg
65.	P2009ME1081	Tahir Sheikh
66.	P2009ME1082	Shiv Kumar
67.	P2009ME1084	Vikas Jawaria
68.	2010CS1004	Abhishek Kumar Arora
69.	2010CS1005	Aditya Gujral
70.	2010CS1007	Amritpal Singh Sehza
71.	2010CS1011	Choudhary Shubham Shriram
72.	2010CS1012	Deepak Garg
73.	2010CS1025	Narender Yadav
74.	2010CS1038	Vikas Choudhary
75.	2010CS1082	Tanvi Srivastava
76.	2010EE1048	Ashish Jindal
77.	2010EE1056	Karanpreet Singh
78.	2010EE1057	Kaviya Rawat
79.	2010EE1084	Yajat Sharma
80.	2010ME1088	Abhishek Singh
81.	2010ME1091	Bhupinder Singh Chugh
82.	2010ME1097	Dev Gurera
83.	2010ME1104	Karanveer Singh
84.	2010ME1114	Nitin Kumar
85.	2010ME1116	Ravi Sharma
86.	2010ME1119	Sanjeev Rawal

56.	P2009EE1066	Ankit Bansal
57.	P2009EE1069	Ankush Jain
58.	P2009EE1112	Nikant Vohra
59.	P2009EE1116	Anshul Garg
60.	P2009ME1081	Tahir Sheikh
61.	P2009ME1082	Shiv Kumar
62.	P2009ME1084	Vikas Jawaria
63.	P2008ME1116	Nitin Singhal
64.	P2008CS1005	Betha Sandeep
65.	P2008EE1085	Shoeb Ahmad
66.	P2008EE1064	Dhwal Pratap Singh
67.	P2008EE1071	Manish Gupta
68.	P2008EE1073	Neetu Bhadana
69.	P2008EE1077	Pawan Kumar
70.	P2008CS1015	Kumar Ashwani
71.	P2008CS1026	Priyanshu Raj
72.	P2008EE1057	Amit Kumar Singh
73.	P2008ME1103	Aditya Saini
74.	P2008ME1123	Rahul K. Singh
75.	P2008ME1102	Abhishek K. Singh Yadav
76.	P2008EE1067	Javed Ali
77.	P2008CS1035	Suresh K. Yadav
78.	P2008EE1074	Niranjan Kumar
79.	P2008CS1033	Shlok Chaurasia
80.	P2008CS1025	Praveen Kumar Sah
81.	P2008CS1003	Ashish Kumar Gola
82.	P2008CS1011	Hardeep S. Renny
83.	P2008CS1004	Ashish Prasad

This scholarship is given to the SC students only. According to the terms and conditions of this scholarship, awardees will receive a total of Rs. 55020/- towards annual fee, other refundable charges, boarding & lodging, books & stationery and PC etc.

INSTITUTE FREE STUDENTSHIP

The Institute offers free studentship to 10% of the students on the basis of means alone. This scholarship has been provided to the following students :-

1st Semester of AY 2011-12

S.No.	Entry No.	Name
1.	P2008ME1134	Vivek Vishwakarma
2.	P2008ME1106	Anshu Anand
3.	P2008ME1120	Prashant Yadav
4.	P2008ME1109	Dharmpal Yadav
5.	P2008ME1127	Shashank Sah
6.	2011EE1071	Satyendra Maurya
7.	2011ME1091	Farshad O
8.	2011ME1111	Sajeed Mahaboob
9.	2011CS1039	Utkarsh Barnwal
10.	2011ME1084	Anurag Patel
11.	2011ME1113	Shashank Saurabh
12.	2011CS1020	Naveen Kumar
13.	2011CS1016	Mishra Alok Sushil Kumar
14.	2011EE1061	M Raquib Anjum
15.	2011ME1098	Mahajan Gaurav Jaganath
16.	2011EE1055	Ghanshyam Shahni
17.	2010CS1003	Abhishek Kumar
18.	2010CS1016	Harmandeep Singh
19.	2010CS1026	Naveen Kumar
20.	2010EE1062	Manisha Kumari
21.	2010EE1065	Mohan Choudhary
22.	2010EE1068	Narinder Pal Singh
23.	2010EE1081	Surabhi Rathore
24.	2010ME1092	Bhupendra Singh Kasva
25.	2010ME1094	Brijesh Singh Gurjar
26.	2010ME1113	Nishant Kumar

2nd Semester of AY 2011-12

S.No.	Entry No.	Name
1.	2010CS1003	Abhishek Kumar
2.	2010CS1016	Harmandeep Singh
3.	2010EE1047	Arvind Beniwal
4.	2010EE1062	Manisha Kumari
5.	2010EE1068	Narinder Pal Singh
6.	2010ME1092	Bhupendra Singh Kasva
7.	2010ME1094	Brijesh Singh Gurjar
8.	2010ME1105	Ketan Kumayu
9.	2010ME1113	Nishant Kumar
10.	2011CS1016	Mishra Alok Sushilkumar
11.	2011CS1020	Naveen Kumar
12.	2011CS1039	Utkarsh Barnwal
13.	2011EE1055	Ghanshyam Shahni
14.	2011EE1061	M Raquib Anjum
15.	2011EE1071	Satyendra Maurya
16.	2011ME1084	Anurag Patel
17.	2011ME1098	Mahajan Gaurav Jaganath
18.	2011ME1113	Shashank Saurabh
19.	P2008ME1106	Anshu Anand
20.	P2008ME1109	Dharmpal Yadav
21.	P2008ME1120	Prashant Yadav
22.	P2008ME1127	Shashank Sah
23.	P2008ME1134	Vivek Vishwakarma

INSTITUTE MERIT PRIZES AND CERTIFICATES

The Institute offers merit prizes and certificates to top 7% of the students of each 4-year B.Tech. programme for the 1st and 2nd semester. A total amount of Rs. 2500/- and a merit certificate is given to these students. The following students received this Scholarship :-

1st Semester of AY 2011-12

S.No.	Entry No.	Name
1.	P2008CS1006	Bhargav Mangipudi
2.	P2008CS1009	Divya Sharma
3.	P2008EE1073	Neetu Bhadana
4.	P2008EE1065	Divya Mahajan
5.	P2008EE1079	Pooja Yadav
6.	P2008ME1119	Prashant Pratap Singh
7.	P2008ME1135	Yogesh Agarwal
8.	P2009CS1037	Rohit Agarwal
9.	P2009CS1034	Tania Garg
10.	P2009CS1043	Sonu Kumar Giri
11.	P2009EE1116	Anshul Garg
12.	P2009EE1069	Ankush Jain
13.	P2009EE1112	Nikant Vohra
14.	P2009ME1108	Rahul Gulati
15.	P2009ME1074	Abhishek Ghosh
16.	2010CS1001	Abhisaar Sharma
17.	2010CS1006	Akshat Mittal
18.	2010CS1012	Deepak Garg
19.	2010EE1048	Ashish Jindal
20.	2010EE1057	Kaviya Rawat
21.	2010ME1116	Ravi Sharma
22.	2010ME1122	Somyanshu Arora
23.	2010ME1100	Divyanshu Bhardwaj
24.	2011ME1112	Shah Yash Girish
25.	2011CS1009	Harsimran Singh
26.	2011EE1068	Pulkit Gera
27.	2011CS1015	Medha Gupta
28.	2011EE1061	M Raquib Anjum
29.	2011EE1073	Suprith B
30.	2011CS1012	Jaskaran Singh Virdi
31.	2011EE1057	Gourav Bansal
32.	2011ME1103	R Rohan Prasad

2nd Semester of AY 2011-12

S.No.	Entry No.	Name
1.	P2008CS1006	Bhargav Mangipudi
2.	P2008CS1005	Betha Sandeep
3.	P2008EE1061	Arpit Jain
4.	P2008EE1132	Vikas Aggrwal
5.	P2008EE1053	Abhishek Arora
6.	P2008ME1122	Raghav Paul
7.	P2008ME1104	Ajay Kumar Verma
8.	P2009EE1112	Nikant Vohra
9.	P2009EE1051	Prashant Kumar
10.	P2009EE1038	Nahar Piyush Anil
11.	P2009ME1100	Rajesh Kumar
12.	P2009ME1108	Rahul Gulati
13.	P2009CS1034	Tania Garg
14.	P2009CS1043	Sonu Kumar Giri
15.	P2009CS1068	Ankita
16.	2010CS1012	Deepak Garg
17.	2010CS1001	Abhisaar Sharma
18.	2010CS1006	Akshat Mittal
19.	2010EE1057	Kaviya Rawat
20.	2010EE1048	Ashish Jindal
21.	2010EE1042	Aditya Dalakoti
22.	2010ME1100	Divyanshu Bhardwaj
23.	2010ME1122	Somyanshu Arora
24.	2011CS1012	Jaskaran Singh Virdi
25.	2011CS1009	Harsimran Singh
26.	2011CS1027	Prakhar Asthana
27.	2011CS1015	Medha Gupta
28.	2011EE1068	Pulkit Gera
29.	2011EE1057	Gourav Bansal
30.	2011ME1112	Shah Yash Girish

HEAD OF THE DEPARTMENT : Dr. Daya Ram Gaur

Programme offered : B. Tech & Ph.D.

No. of Students B. Tech : 153

Ph.D. : 04

Number of Publications : 03

Name & Designation	Qualification	Area of research
Daya Ram Gaur Associate Professor	Ph.D. (SFU, Canada)	Approximation Algorithms, Discrete and Combinatorial Optimization, Algorithms in Bioinformatics
Apurva Mudgal Assistant Professor	Ph.D. (Georgia Institute of Technology, USA)	Theoretical robotics, computational geometry
Nitin Auluck Assistant Professor	Ph.D. (University of Cincinnati)	Real-time systems, scheduling theory, parallel and distributed systems.
Deepti Bathula Assistant Professor	Ph.D. (Yale)	Image Processing, Pattern Recognition

❖ **Ongoing Activities :**

- Teaching & Research
- Six research scholars in the department working on problems in theory and systems.

❖ **Thrust Areas :**

- Real time systems
- Parallel and Distributed Computing
- Theoretical Robotics
- Large scale Optimization
- Approximation Algorithms
- Cloud Computing
- Software Architecture
- Performance Modeling
- Cryptography
- Computational Geometry
- Image Processing and Pattern Recognition.

❖ **Visitors to IIT Ropar:**

- Delegation from Simon Fraser University, Canada, visited IIT Ropar on 16 November 2011 and signed an MoU.
- "Plastic Micro Fluid and its Applications", **Sumanpreet Chhina,** Simon Fraser University, Canada, 30 November 2011.
- "Ensamble Learning and Classifier Fusions in High Dimensional Data", **Dr. Narinder Singh Sahni**, School of Computational and Information Sciences, Jawaharlal Nehru University, 9 March 2012.
- "Self healing Dynamic Networks", **Dr. Amitabh Trehan,** Post Doctoral Researcher, Technion, Israel, 16 March 2012.
- "Some speculations on the P = NP Question and the Challenge of Protein Folding", **Professor Somenath Biswas**, Department of CSE, IIT Kanpur, 2 February 2012.

❖ **Invited Lecture by Faculty:**

- **Daya Gaur,** "A Primal Dual Algorithm for the Maximum Charge Problem", Simon Fraser University, Canada, 10 November 2011.
- **Daya Gaur,** "Introduction to Approximation Algorithms – Graph and Geometric Algorithms", Dhirubhai Ambani Institute of Information and Communication Technology, March 14-16, 2012.
- **Nitin Auluck,** "Real-Time Systems", Faculty Development Workshop, Rayat Bahra Institute of Engineering and Technology, Rupnagar, 25 July 2011.
- **Nitin Auluck,** "Real-Time Scheduling Algorithms for Heterogeneous Multiprocessors", Parallel Computing Symposium, Punjab University, 3 March 2012.
- **Apurva Mudgal,** "A Near-tight Approximation Algorithm for the Robot Localization Problem", Indian Institute of Technology Bombay, July 2011.

❖ **Visits Abroad by Faculty Members:**

- **Daya Gaur**, Simon Fraser University, Canada, November 2011.

HEAD OF THE DEPARTMENT : Prof. Sanjoy Roy

Programme offered : B. Tech & Ph.D.

No. of Students B. Tech : 148
Ph.D. : 06

Number of Publications : 08

Name & Designation	Qualification	Area of research
Sanjoy Roy Professor	Ph.D. (Calgary)	Renewable energy systems: planning and economics; decision making in power network management.
J. S. Sahambi Associate Professor	Ph.D. (IIT, Delhi)	Wavelet analysis, medical signal and image processing, MR image processing, DSP based systems design.
R. Sodhi Assistant Professor	Ph.D. (IIT, Kanpur)	Wide area monitoring and control Systems, application of optimization techniques to power systems, voltage stability assessment and control
Parthapratim De Assistant Professorr	Ph.D. (Cincinnati, USA)	Adaptive signal processing and its applications to wireless communications, channel estimation, OFDM, MIMO systems, and CDMA.
Nitin K. Goyal Assistant Professor	Ph.D. (Virginia Tech.)	Photonics and optical fiber technologies
K. Madhav Associate Professor	Ph.D. (IISc, Bangalore)	Photonics; nanomaterials.
M. Ravibabu Assistant Professor	Ph.D. (IIT Delhi)	Infrared vision and video processing, Signal and image processing techniques for noninvasive imaging methods, Photo-thermal diagnostics of solids
C.C.Reddy Assistant Professor	Ph.D. (IISc, Bangalore)	Mechanism of conduction and breakdown in dielectrics, space charges in dielectrics, HVDC cables and accessories, high voltage engineering, nano dielectrics.
A.Rahman Assistant Professor	Ph.D. (IISc, Bangalore)	Photonics; nanomaterials.

❖ **Ongoing Activities :**

- Bachelor of Technology in Electrical Engineering
- Six research scholars registered.

❖ **Thrust Areas :**

1. Biomedical signal processing, MR image processing
2. Infrared vision and video processing
3. Dielectric measurements
4. Wide area monitoring and control
5. Renewable energy: planning and economics

❖ **Invited Talks :**

Embedded Systems and Medical Electronics, 11 July 2011, Radha Govind Group of Institutions, Institute of Informatics & Management Sciences, Garh Road, Meerut, UP.

❖ **Visits abroad by Faculty :**

Dr. J. S. Sahambi, attended IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 25-30 March 2012, Kyoto, Japan.

Coordinator : Dr. Harpreet Singh

Programme offered : B. Tech & Ph.D.

No. of Students : B. Tech: 138

Ph. D. : 14

No. of Publications : 33

Name & Designation	Qualification	Area of research
Anshu Dhar Jayal Assistant Professor	Ph.D. University of Utah	Sustainable Manufacturing Technologies
Anupam Agrawal Assistant Professor	Ph.D. (IIT, Kanpur)	Analysis of Metal Forming Processes Deformation Analysis, CAD/CAM
Ekta Singla Assistant Professor	Ph.D. IIT Kanpur	Robotics, redundant manipulators, robot path planning, collision detection, obstacle avoidance, applied optimization methods - classical and evolutionary, optimal mechanical design
Harpreet Singh Associate Professor	Ph.D. (IIT, Roorkee)	Surface Engineering-Degradation of Material High Temperature Corrosion and its Protection, Slurry Erosion of Hydraulic Turbines and its Control, Biomedical Coatings
Himanshu Tyagi Assistant Professor	Ph.D. Arizona State University USA,	Thermo-fluids, Bio-heat Transfer, Nanofluids, Nanoscale heat transfer Clean & Sustainable Energy, Solar Energy, Energy Storage, Turbulent Flows, Combustion, Thermodynamics, Biomass Pyrolysis & Gasification, Ignition Properties of Fuels Containing Nano-Particles, Thermal Management and Packaging of Micro Electronic Devices
Jitendra Prasad Assistant Professor	Ph.D. Michigan State University USA	Biomechanics, Bone Fracture Healing, Mechanotransduction, Structural and Multidisciplinary Design Optimization, Computational Mechanics, and Agent Based Modelling

M. K. Surappa (Director)	Ph.D. (IISc, Bangalore) FNAE, FNA	Solidification Processing of Metal Matrix Composites and Tribology
Navin Kumar Assistant Professor	Ph.D. IIT Delhi	Mechanics and dynamics of Bio and Nano materials and structures, computational and experimental studies on Nano and Bio Material Characterization, Noise and Vibration control, Fault diagnosis
Prabir Sarkar Assistant Professor	Ph.D. IISc Bangalore	Product design, Sustainability and eco design, Creativity and innovation, Engineering design and industrial design, Manufacturing
Ramjee Repaka Assistant Professor	Ph.D. (IIT, Kharagpur)	Heat Transfer, Thermal Engineering, Bioheat Transfer
Satwinder Jit Singh Assistant Professor	Ph.D. (IISc, Bangalore)	Applied Mechanics, Numerical Methods

❖ **Ongoing Activities:**

UG/PG Teaching

Research in the various areas reported in the faculty profiles above

Industrial Consultancy

❖ **Thrust Areas:**

Design and Analysis, Manufacturing and Materials, Bio-medical Engineering, Thermal Engineering Renewable Energy-Bio and Solar

International/National Conferences

Lectures by Visiting Experts:

Name of the Expert	Topic
Dr. Krishna Vijayaraghavan Simon Fraser University, CANADA	Energy Harvesting and Energy Storage for Transportation and Sustainable Energy Applications

IV. Invited Lectures by Faculty:

Name of the faculty member	Institute visited
Dr. Himanshu Tyagi	Simon Fraser University, Burnaby, British Columbia, Canada, November 2011 ("Development & Usage of Clean Energy Resources")
Dr. Himanshu Tyagi	Simon Fraser University, Surrey, British Columbia, Canada, November 2011 ("Solar Energy: Nanofluids-Based Direct Absorption Solar Collectors")
Dr. Himanshu Tyagi	NRC Institute for Fuel Cell Innovation, Vancouver, British Columbia, Canada, November 2011 ("New & Renewable Energy Resources in India")
Dr. Himanshu Tyagi	Power tech Labs Inc., Surrey, British Columbia, Canada, November 2011 ("Energy Sustainability: An Indian Context")
Dr. Prabir Sarkar	Lovely Professional University ("Sustainability and Eco-design")
Dr. Prabir Sarkar	Rayat Institute of Engg. & Information Technology, Ropar Campus
Dr. Prabir Sarkar	Faculty development Programme on "Approaching Education Related Issues Using Creative Problem Solving Techniques"
Dr. Harpreet Singh	Punjab Technical University, Jalandhar India on 7 October 2011("Friction Stir Processing of a Mg-based Alloy")
Dr. Harpreet Singh	Malout Institute of Management and Information Technology, Malout, India on 19 July 2011 ("An Introduction to the Recent R&D Activities in Mechanical and Materials Engineering")

Dr. Harpreet Singh	University Institute of Engineering and Technology, Punjab University, Chandigarh on 21 May 2011 ("Recent R&D Activities in Mechanical Engineering")
Dr. Harpreet Singh	Indo-Global College of Engineering, Abhipur on 29 April 2011 ("Renewable Energy Potential")
Dr. Harpreet Singh	Institute of Engineering & Technology, Bhaddal, Ropar on 26 April 2011 ("Advances in Mechanical Engineering")
Dr. Jitendra Prasad	Imperial College London, Department of Bioengineering, March 2012 ("Investigating the Role of Mechanical Stimuli in Bone Fracture Healing")
Dr.Ekta Singla	Mechanical Engineering, NUS Singapore, 29 July 2011, ("Performance Measures in design of Robotic Manipulators")
Dr.Ekta Singla	Yadavindra College of Engineering, Talwandi Sabo, Punjab. 22 October 2011 ("Performance Indices on Robotic arms")

Visits abroad by faculty members:

Organization	Faculty Name	Topic
Simon Fraser University, Canada	Dr. Himanshu Tyagi	Presented invited talks and explored collaborative research
Georgia Tech, USA	Dr. Himanshu Tyagi	ASME 2012 3rd Micro/Nanoscale Heat & Mass Transfer International Conference
Corvallis, OR, USA	Dr. Anupam Agrawal	ASME Manufacturing Science and Engineering Conference
Sendai, Japan	Dr. Ramjee Repaka	8th International Conference on Flow Dynamics ICFD
Hamburg, Germany	Dr. Harpreet Singh	International Thermal Spray Conference and Exposition (ITSC-2011) 27-29 September 201

University of Glasgow, UK	Dr. Navin Kumar	Research Interaction
Imperial College London, UK	Dr. Jitendra Prasad	Delivered an invited talk and explored collaboration
Kaula Lumpur, Malaysia	Dr. Ekta Singla	International Conference on CAD/CAM, 26-28 July 2011
State Technical University Novisibirsk, Russia	Dr. Ekta Singla	Indo-Russian seminar on Computational Intelligence and Modern Heuristics in Automation and Robotics, 10-12 September 2011

DEPARTMENT OF CHEMISTRY

COORDINATOR OF THE DEPARTMENT : Dr. Narinder Singh

Programme offered : Ph.D.

No. of Ph.D. students : 09

No. of Publication : 46

Name & Designation	Qualification	Area of research
Dr. Narinder Singh	Ph D. (Guru Nanak Dev University, Amritsar)	Nano-particles and calix[4] arene and tripodal frameworks for chemo-sensor development
Dr. Avijit Goswami	Ph D. (Heidelberg University, Germany)	Synthetic organic and polymer chemistry
Dr. Debaprasad Mandal	Ph D. (IIT, Kanpur)	Organic and Organometallics chemistry
Dr. T. J. Dhilip Kumar	Ph D. (IIT, Madras)	Electronic Structure Calculations, Chemical Kinetics and Reaction Dynamics
Dr. Prabal Banerjee	Ph D. (NCL, Pune)	Synthetic organic chemistry
Dr. Rajendra Srivastava	Ph D. (NCL, Pune)	The design, synthesis and catalytic investigation of functional nanoporous materials and ionic liquids
Dr. Vimal Kumar	DST -INSPIREPhD (Guru Nanak Dev University, Amritsar)	Bioinorganic Chemistry& Chemo-Sensor Development

❖ **Lectures by Visiting Experts**

1. 8 March 2012: **Dr. Laxmidhar Rout** (Technical University Munich, **Germany**) **Title**: "New Reagents, Methods, and Strategies for Organic Synthesis"
2. 22 February 2012: **Dr. Khushwinder Kaur** (Panjab University, Punjab, **India**) **Title**: "Effect of additives on the microstructure and properties of reverse micelles"
3. 13 February 2012: **Dr. Dibyendu Bhattacharya** (Institute of Chemistry, Academia Sinica, Taipei, **Taiwan**) **Title**: "Panchromatic Ruthenium(II) Sensitizers for Highly Efficient Dye- Sensitized Solar Cells"
4. 09 February 2012: **Dr. G. Karunakaran Raghuraman** (University of Pennsylvania, Philadelphia, **USA**) **Title**: "Grafting of Polymer Monolayers – A Versatile approach to Modify Surface Properties towards Biocompatibility & Superhydrophobicity"
5. 03 February 2012: **Dr. Sakkarapalayam M. Mahalingam** (Purdue University, **USA**) **Title**: Design and Synthesis of Small molecules for Biological Interest and Ligand Targeted Therapy and Imaging for Cancer
6. 01 February 2012: **Dr. Apurba L. Koner** (Department of Biochemistry, University of Oxford, **UK**) **Title**: "Non-Covalent Chemistry in a Confined Nanospace and its Applications"
7. 04 January 2012: **Dr. Dattatri K. Nagesha** (Northwestern University, Boston, **USA**) **Title**: "Surface Chemistry of Nanomaterials for Biomedical Applications"
8. 03 January 2012: **Dr. Ram Sagar Mishra** (Department of Chemistry, University of Oxford, **UK**)

❖ **Invited lectures by Faculty**

(1) T. J. Dhilip Kumar "Low energy rotational inelastic collisions of H^+ + CO system" presented in the Theoretical Chemistry Symposium (TCS-2012) held at IIT Guwahati, India, during 19-22 December 2012.

(2) Narinder Singh Invited Lecture at IIT Mandi during **(National Symposium on Bionanotechnology)**.

(3) Narinder Singh Invited Lecture at Khalsa College, Jalandhar (**UGC Sponsored Seminar**).

(4) Narinder Singh Invited Lecture at SGGS, Khalsa College, Mahilpur (**UGC Sponsored Seminar**)

❖ Visits abroad by Faculty members

Period of visit

	From	To	Place
1.	1 January 2012	10 January 2012	Dr. Narinder Singh Department of Chemistry, Yonsei University Wonju, South Korea.
2.	1 January 2012	10 January 2012	Dr. Vimal Kumar (DST-INSPIRE) Department of Chemistry, Yonsei University Wonju, South Korea.

DEPARTMENT OF PHYSICS

HEAD OF THE DEPARTMENT: Prof. P. K. Raina
Programme offered : Ph.D.

No. of Ph.D. students : 03
No. of Publication : 12

Name & Designation	Qualification	Area of research
P. K. Raina Professor	Ph.D. (IIT, Kanpur)	Neutrinos, Nuclear, Particle and Astrophysics
Subhendu Sarkar Assistant Professor	Ph.D. (Saha Institute of Nuclear Physics, Kolkata)	Low energy ion beam Physics, Fabrication of nanostructures on semiconductor surface using ion beams, and secondary ion spectroscopy.
Subhrangshu Das Gupta Assistant Professor	Ph.D. (Physical Research Laboratory, Ahmedabad)	Physical modeling in Quantum optics, nano systems, and decoherence in physical systems
Rakesh Kumar Assistant Professor	Ph.D. (IIT, Bombay)	Graphene and other two dimensional materials, Fabrication of nanodevices, Strongly correlated electron behaviors in CMRs and double perovskite materials.
Asoka Biswas, Assistant Professor	Ph.D. (Physical Research Laboratory, Ahmedabad)	Quantum computing, Many body entanglement in spin Systems.
Sanjib Shankar Gupta Assistant Professor	Ph.D. (Clemson University, USA)	Virtual Nuclear Reactor development, Optimi-mization of astrochemical reaction networks using GPU cluster and virtual interface.

- **Ongoing Activities :**
  - Teaching & Research
- **Thrust Areas :**
  - Graphene and other two dimensional materials.
  - Strongly correlated electron behaviors in low dimensional materials.
  - Fabrication of nanostructures and nanodevices.
  - Low energy ion beam Physics, secondary ion spectroscopy.
  - Theoretical modeling for Quantum optics.
  - Energy production under optimal controls from nuclear and biochemical reaction networks.

- Astrophysics and nuclear Physics to understand the bing-bang condition and evolution of the Universe. Neutrino physics.
- Nuclear structure and Particle physics.

Lectures by Visiting experts:

❖ **Invited lectures by Faculty**

a. "Graphene - next generation material" at National Science Congress for PGT teachers at Navodya Vidyalaya, Sandhuan, Ropar 23 November 2011

COORDINATOR OF THE DEPARTMENT : Dr. M. Prabhakar

Programme offered : Ph.D.

No. of Ph.D. students : 08
No. of Publication : 13

Name & Designation	Qualification	Area of research
M.Prabhkar Assistant Professor	Ph.D. (IIT, Delhi)	Low-dimensional Topology
Arvind Kumar Gupta Assistant Professor	Ph.D. (IIT, Roorkee)	continuum and lattice hydrodynamic modeling, exclusion processes & Driven diffusion systems
Manoranjan Mishra Assistant Professor	Ph.D. (IISc, Bangalore)	Fluid dynamics, Scientific computing
Manju Khan Assistant Professor	Ph.D. (IIT, Delhi)	Algebra
S.C. Martha Assistant Professor	Ph.D. (IIT, Guwahati)	Fluid dynamics, Mathematical modelling on water waves Phenomena, integral equation

❖ **Ongoing Activities :**

- Teaching & Research

❖ **Thrust Areas :**

- Algebra
- Fluid dynamics
- Cellular Automata
- Scientific Computing
- Integral equation
- Mathematical modelling of traffic flow
- Mathematical Modelling on water waves

❖ **Invited lectures by Faculty:**

Name of faculty member	Institute/Place	Title & Time
Manoranjan Mishra	Medical College of Wisconsin, Milwaukee, USA.	Double diffusive viscous fingering Instability, November 2011
Manoranjan Mishra	IIT Hyderabad, India	Hydrodynamical instability in liquid chromatographic columns, June 2011

❖ **Visits abroad by faculty Members :**

Name of faculty member	Place	Topic & Time
Arvind Kumar Gupta	Hefei, China	Visited School of Mathematical Sciences
S.C. Martha	Vancouver, Canada	Participated and Presented a Paper in 7th ICIAM, July 2011
Arvind Kumar Gupta	Vancouver, Canada	Participated And Presented a Paper in 7th ICIAM, July 2011

Coordinator : Dr. Rajyashree Khushu-Lahiri

Programme offered : Ph.D.

No. of Students: : 01

No. of Publications : 15

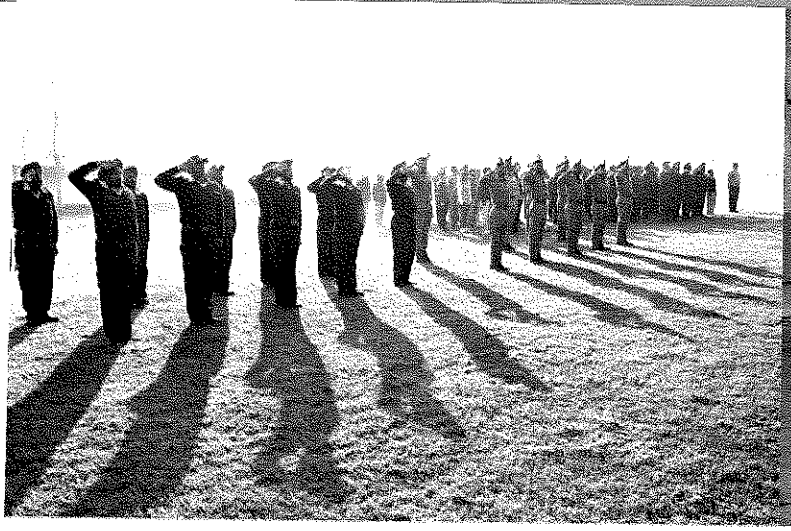
Name and Designation	Qualification	Area of research
Dr. Rajyashree Khushu-Lahiri Associate Professor	Ph.D. IIT Kanpur	American Studies, Gender Studies, Cultural Studies, Literature- Linguistics Interface, Postcolonial Studies
Dr. Kamal Kumar Choudhary Assistant Professor	Ph.D. University of Leipzig, Germany	Psycho/Neurolinguistics (Language processing, Neurocognition/ Neurosceince of Language, EEG), Typology, Syntax, Cognitive Science, NLP
Dr. Malini Tantri,	Ph.D. (ISEC, Bangalore)	Economics
Dr. Rano Ringo Assistant Professor	Ph.D. (IIT Roorkee)	Gender studies, Postcolonial studies, and Modern fiction
Snehlata Jaswal,	Ph.D. (University of Edinburgh)	Human cognition
Dr. Somdev Kar Assistant Professor	Ph.D. University of Tübingen, Germany	Phonetics, Computational Phonology, Optimality Theory, Speech Processing, Natural Language Processing, Morphology

Invited Lectures by Faculty

Name of the Faculty Member	Institute Visited
Dr. Rajyashree Khushu-Lahiri	JUIT Waknghat, Solan
Dr. Kamal Kumar Choudhary	CIIL Mysore

Visits Abroad by Faculty Members

Name of the Faculty Member	Institute Visited	Topic
Dr. Rajyashree Khushu-Lahiri	MLA, Seatlle, USA	Present research paper
Dr. Somdev Kar	National Institute for Japanese Language and Linguistics (NINJAL), Tokyo, Japan	Explore collaborative research
Dr. Somdev Kar	Kyoto University, Kyoto, Japan	To present a research paper in an international conference (ICPP 2011)
Dr Rono Ringo	Ryerson University, Toronto	To present a research paper in an international conference



TRAINING AND PLACEMENT CELL

The Placement Season of the First year batch of IIT Ropar (2008) had been very encouraging. We were able to do a good 87% placements among all the departments. The average salary for all the departments was 8,45,000/-. The companies that have participated so far in the Placeme 2011-12 had a healthy mix of public and private companies. Among the public sector were research organisations like the DRDO. Then they were others like the BOI and BPCL. In the private sector we had companies like the US based EPIC systems. In India we had EBay/PayPal, MICROSOFT INDIA, Flipkart, Navyug Infosolutions Pvt. Ltd, Nucleus Software, SAMSUNG INDIA ELECTRONICS, Impetus, INFOSYS, SCA Technologies, Ericsson India, Texas Instruments, SCA Technologies & OCEANEERING and INFOSYS.

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115.Ringo, Rano. "Challenging the Discourse of the Empire: A Postcolonial Study of Margaret Laurence's The Diviners." *Jodhpur Studies in English* 9 (2011): 99-113.

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118.Choudhary, K. K. Inflectional Morphology in Maithili. Lecture-cum-workshop on POS-Morph: Urdu-Hindi and Maithili, LDC-IL , CIIL Mysore (19 to 21 September 2011).

119.Kar, Somdev (2011). Gemination before liquids in Bangla. Paper presented at the *International Conference of Phonetics and Phonology (ICPP 2011)*, held during 10-14 December 2011 in Kyoto, Japan.

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124.S. Roy, "Inclusion of short duration wind variations in economic load dispatch". IEEE Transactions on Sustainable Energy,

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126. Mulaveesala, R., V.S. Ghali., and Amarnath M., Matched excitation for thermal nondestructive testing of carbon fiber reinforced plastic materials, Proc. SPIE, 8354-7 (2012).

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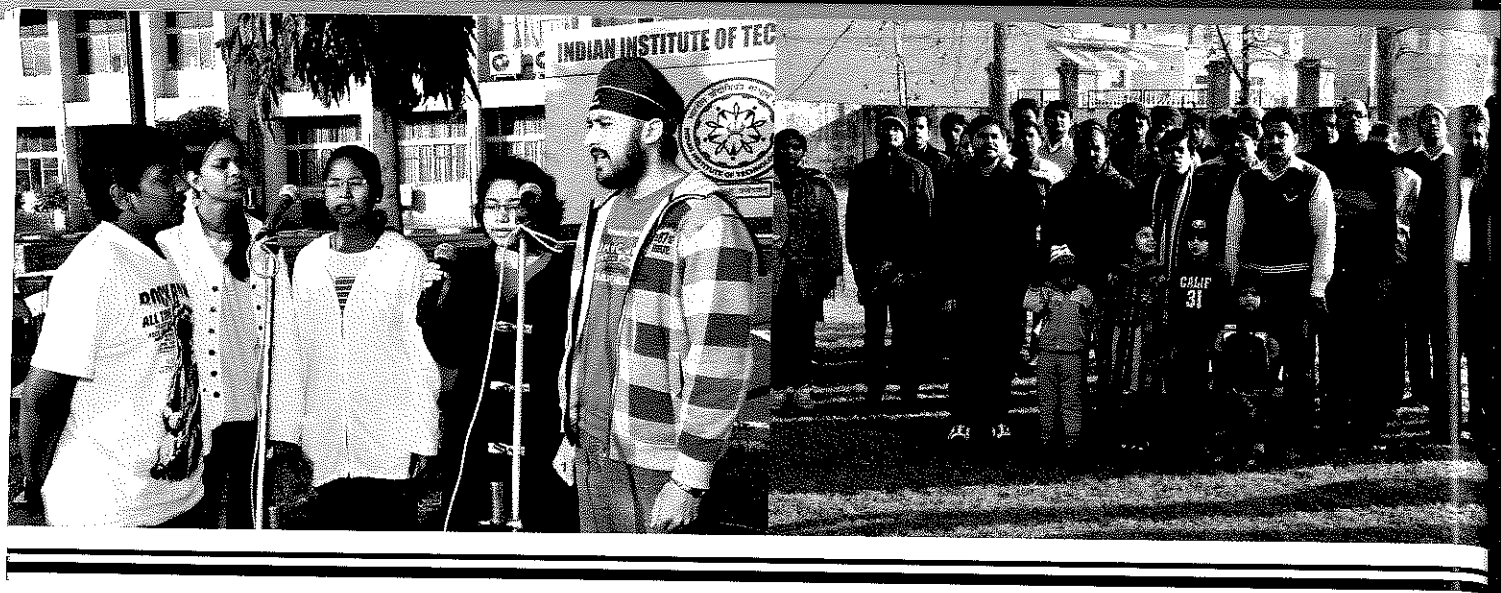
RESEARCH PROJECTS

Sponsored research is an important part of IIT activities. We have maintained a steady and sustained growth in our interaction with industry and other agencies in terms of the number and value of sponsored research projects. The number of active sponsored projects during the year 2011-2012 is as follows:-

Sr. No.	Title of Project	Project Investigator	Funding Agency	Total funds approved for Project (Rs.)
1.	Synthesis and catalytic applications of hierarchical/nano crystalline zeolite catalysts	Dr. Rajinder Srivastava Assistant Professor Dept. of Chemistry	Department of Science & Technology, Govt. of India	33,51,600/-
2.	Detection of entanglement in many-spin systems by spin-spin correlations	Dr. (Mrs.) Ashoka Biswas Assistant Professor Dept. of Physics	Department of Science & Technology, Govt. of India	11,64,000/-
3.	Surface Engineering to control erosion-corrosion of steam generating plants by nano particle coatings	Dr. Harpreet Singh Assistant Professor SMMEE	Department of Science & Technology, Govt. of India	42,50,000/-
4.	Development of [3+3]-cycloaddition of azomethine ylied towards the construction of piperdine ring system: application to the alkaloids synthesis	Dr. Prabal Banerjee Assistant Professor Dept.of Chemistry	Department of Science & Technology, Govt. of India	19,25,000/-
5.	H2 Storage and fuel cell materials for renewable energy: fundamental study on metal hybrid nanostructures	Dr. T.J. Dhilip Assistant Professor Dept. of Chemistry	Department of Science & Technology, Govt. of India	13,20,000/-
6.	Modeling and simulation of various fingering instability between two miscible fluids in liquid chromatographic conditions	Dr. Manoranjan Mishra Assistant Professor Dept. of Mathematics	Department of Science & Technology, Govt. of India	15,96,000/-
7.	Approximation Algorithms for NP-hard optimization problems.	Dr. Daya Gaur Associate Professor Dept. of CSE	Department of Science & Technology, Govt. of India	34,29,600/-

8.	Synthesis of Au(I) complexes Luminescent Based Benzimidazole, Pyridyl and Amine: Gold Nano-Particles for sensor Development	Dr. Narinder Singh Assistant Professor Dept. of Chemistry	Department of Science & Technology, Govt. of India	13,46,400/-
9.	Design and synthesis of Quantum dot-based benzimidazole-compled chemosensors	Dr. Narinder Singh Assistant Professor Dept. of Chemistry	Department of Science & Technology, Govt. of India	7,65,000/-
10.	Duplication based Real-Time scheduling alogrithms for Heterogeneous Multiprocessors	Dr. Nitin Auluck Assistant Professor Dept. of CSE	Department of Science & Technology, Govt. of India	14,16,000/-
11.	Design and synthesis of new ratiomertic fluorescent chemo-sensors: excited state proton transfer involving keto-enol tautomerism	Dr. Narinder Singh Assistant Professor Department of Chemistry	Council of Scientific and Industrial Research	14,26,000/-
12.	Synthesis and catalytic applications of nanoporous II-conjugated polymer-silica nanocomposite materials	Dr. Rajindera Srivastava Assistant Professor Department of Chemistry	Council of Scientific and Industrial Research	16,26,000/-
13.	Design and synthesis of a new class of salen based metal complexes: A search for catalytic activity	Dr. Avijit Goswami Assistant Professor Department of Chemistry	Council of Scientific and Industrial Research	17,81,167/-
14.	Development of Magnesium alloy based in-situ nano composites for improved material properties using friction stir processing	Dr. Harpreet Singh Assistant Professor SMMEE	Defense R&D Organization, Govt. of India	14,10,000/-

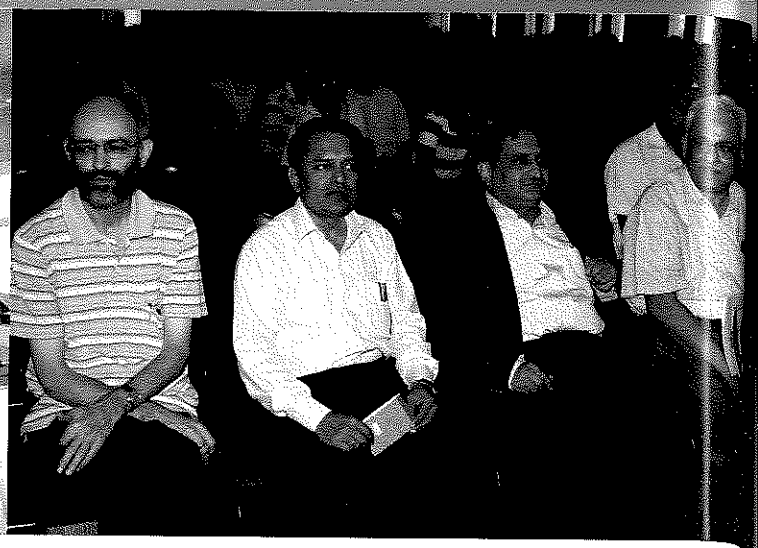


OTHER THAN RESEARCH PROJECTS

(Amount in Lacs)

Sr. No.	Title of Project	Project Investigator	Funding Agency	Total funds approved for Project
1.	Prototype Development and Innovation Fund	Dr.Nitin Auluck, Assistant Professor Dept. of CSE	Punjab Technical University Jalandhar	Rs. 220 Lacs
2.	Expansion of Technology Incubation & Development of Entrepreneurs (TIDE)	Dr. Nitin Auluck, Assistant Professor Dept. of CSE	Dept. of Electronics & Information Technology Innovation & IPR Division, Govt. of India	Rs.155 Lacs
3.	Rural Technology Action Group (RuTAG)	Dr. Harpreet Singh Associate Professor, SMMEE	Department of Science & Technology, Govt. of India	Rs.119.98 Lacs
4.	National Knowledge Network	Dr. Ekta Singla Assistant Professor, SMMEE	National Informatics Centre Servides Inc., Ministry of Communication & Information Technology, Govt. of India	Rs. 98.76 Lacs

Sr. No.	Title of Project	Project Investigator	Funding Agency	Total funds approved for Project (Rs.)
1	Design an effective Noise barrier for the baffle range	Dr. Navin Kumar Assistant Professor SMMEE	DRDO - TBRL	17,10,000/ -
2	Microsoft Machine Translation and Speech Research	Dr. Somdev Kar Assistant Professor HuSS	Microsoft Corporation USA and Appen Butler Hill Group, USA	USD $ 8,750/-

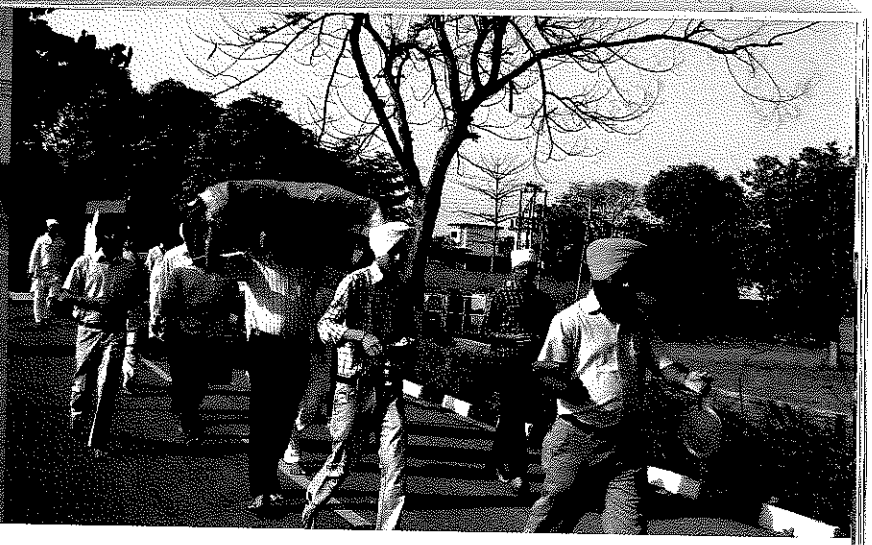


FACULTY INITIATION GRANT

IIT Ropar provides grant under faculty initiation grant. The grant is sanctioned to new faculty members for developing his/her research infrastructure for a period of three years and the funding for this grant will be met from the ISIRD fund. The new faculty members must apply for this grant within one year from the date of joining the Institute. The grant is utilized for the purpose of laboratory equipment, consumables, software and for technical visits.

The following faculty members have been sanctioned grants for carrying out research projects.

Sr. No.	Title of Project	Project Investigator	Total Outlay (Rs.)
1.	Development of Neuroimage Processing and Analysis Techniques	Dr. Deepti R. Bathula Assistant Professor Department of CSE	9,70,000/-
2.	Fluorinated Ionic Liquids for strorage of Greenhouse gases Like CH4, CO2 and their Activation towards sustainable Energey	Dr. Debaprasad Mandal Assistant Professor Department of Chemistry	10,00,000/-
3.	1. Creative sustainable product design methology with standards comliant. 2. A support for measuring product sustainability in early design.	Dr. Parbir Sarkar Assistant Professor SMMEE	9,80,000/-
4.	A Study of New Forming Techniques for Metals at Macro and Micro Scale	Dr. Anupam Agrawal Assistant Professor SMMEE	8,75,000/-
5.	Optimal Design of Task - based Modular Manipulations	Dr. Ekta Singla Assistant Professor SMMEE	10,00,000/-
6.	Biomechanical Regulation of Bone Fracture Healing	Dr. Jitendra Prasad Assistant Professor SMMEE	16,00,000/-



Zeitgeist 2011

The mega cultural festival of IIT Ropar saw huge participation from colleges across the country. The three day extravaganza was full of unique events ranging from Music, Dance and Dramatics to literary. `Bandish – The Band` charges the atmosphere with their electrifying music when they performed at the `Star Night`. Punjabi flavor was given to the festival by a rocking performance by latest Punjabi music sensation `Alfaaz` supporting the event, Zeitgeist scaled new heights.

Music Night

An event organized by music society of IIT Ropar, it gave the students a chance to showcase their talent in the field of music. The platform helped the society to identify the budding talent and motivate them further.

Fresher`s Night

IIT Ropar is very special place and the students joining the institution deserve a warm welcome. After years of hard work put in by them to crack one of the toughest entrance examination in the world, IIT-JEE, `Fresher's Night` was a welcome break for them. The enthusiasm and the fervor of the event that was replete with scintillating dance and dramatics performances was a treat for the eyes. The second year students welcomed the fresh batch of students with great vigour.

Dance Night

Organized by `dance club` of IIT Ropar this event gave students of IIT a platform to display their talent.

Dramatics Night

Students of IIT Ropar are full of immense talent, a testimony to which was this event organized by `Dramatics Society` of IIT Ropar. The acts and performances covered various cultural and social aspects of life.

Inter IIT Sports Meet 2011

A group of 95 contingents participated in the 47th inter IIT sports meet held at IIT Karagpur. This yea new girl's team in basketball also participated. We were at 5th position in march past among all 15 IIT Seven days of inter IIT sports meet was nice and peaceful in IIT Kharagpur.

Inter Hostel Sports Tournament 2012

We organized a sports tournament among all the boys hostels. In every sport each hostel`s tea participated and distributed trophies in each game to the winning hostels.

Cricket League- PPL(Punjab Premier League)

We collected names of all cricket players from all the batches and made 5 Icon players that was owner each team. Next we had auction for all players and completed 5 teams. Like IPL, we settled match among all the teams and the winning team got the trophy.

Football Premier League

Along the lines of PPL, we organized a league in football also. 4 teams made and textures among all team

Mixed Matches

We organized fun-filled, Cricket, Football and Volleyball mixed matches for boys and girls.

OTHER ACTIVITIES

A plethora of other activities were organized throughout the year including Fresher's Nite, Literary Week, chess competition, Independence Day celebrations and Saraswati pooja.

The academic year saw the initiation of the IIT Ropar chapter of Spic-Macay were its highlight. A couple of performances by Monisha Nayak and Mangniyar Group.

Finally, the year witnessed the introduction of the Inter-Hostel General Championship. The week-long event had most of the students participating in several cultural activities.

CENTRAL LIBRARY

The Central Library is an invaluable resource for information and plays a vital and essential role in the intellectual pursuit of students, scholars and faculty members.

The growing collection which binds the user with the library comprises of various kinds of resources viz., textbooks; reference books; dictionaries; handbooks; encyclopedia research monographs, multi-volume reference works etc. in print as well as electronic form; e-journals, CDs/DVDs of various information resources.

The Central Library also facilitates online access to hundreds of e-journals through its participation in consortia, such as INDEST-AICTE and INFLIBNET. The Library also subscribes to several e-Journals directly and also provides online access to citations and scientometric database such as Scopus and MathSci. Net.

Presently the library houses around 9000 books covering all the major and minor disciplines of interest in the institute.

The library operations are automated using LIBSYS software. Separate digital library and e-resource centre are also made available within the Library to access online books and journals. Keeping in view the goal to disseminate knowledge about our national language, the library also houses a collection of Hindi books as well.

The library won three awards for the intensive usage of Electronic Resources among the new IITs. The duration of the usage was January to December 2012. The resources are: (i) ScienceDirect Journals (Elsevier B.V.); Scopus Database (Elsevier B.V.); and Nature Journal (Nature Publishing Group)

For developing library and research partnership Ms. Margaret Law, Director of International Relations, University of Alberta visited the institute on 7 March 2012. During the visit she had discussion with faculty and library staff about specific ways of sharing rare copies of digitized resources, building an information infrastructure base by developing expertise in librarianship and library collections; conducting training programs and workshops.

Services

Central Library offers the following major services

(i) Reference

(ii) Consultation

(iii) Circulation

(iv) Electronic Document Delivery

(v) Inter Library Loan

(vi) Current Awareness Service (CAS)

(vii) Selective Dissemination of Information (SDI)

(viii) Web Online Public Access Catalogue (Web-OPAC)

(ix) Federated Search Facility

Working Hours

Issue/Return:

On weekdays: 09:00 AM - 05:30 PM (except holidays)

Reference Section:

During Academic Session: 09:00 AM - 12:00 Midnight

During Minor and Major Exams: 09:00 AM - 02:00 AM

During Vacation: 09:00 AM - 06:00 PM

Web-OPAC

The Online Public Access Catalogue (OPAC) enables users to search documents in possession of library. Through OPAC, the user's can also check their personal status, i.e. checkout status, issue history, reservation and so on. The users also get the facility of browsing newly arrived book titles through different search parameters (author, title, publisher etc.).

Union-OPAC

The Union OPAC of library, apart from its own database, also provides access to other library databases, such as that of other IITs, research centers, WorldCat etc. It has been integrated with Google Web Technology which covers pages from Google books and offers "my cart" facility to selectors.

Electronic Resources

The Central Library of IIT Ropar provides access to the following Electronic Resources.

I. Electronic Books and Journals:

1. Access Engineering Library (DEL) - McGraw-Hill's E-Books;
2. ACLS Humanities E-Books;
3. Association for Computing Machinery (ACM) Digital Library;
4. American Chemical Society (ACS) Archive and Current Journals;
5. American Institute of Physics (AIP) Digital Archive and Current Journals;
6. Annual Reviews;
7. American Physical Society (APS) Journals;
8. American Society of Mechanical Engineers (ASME) Digital Library;
9. Association for Psychological Science Journals;
10. ASTM Standards and Digital Library
11. Cambridge University Press (CUP) Selected Journals;
12. IEL Online (IEEE Xplore Digital Library);

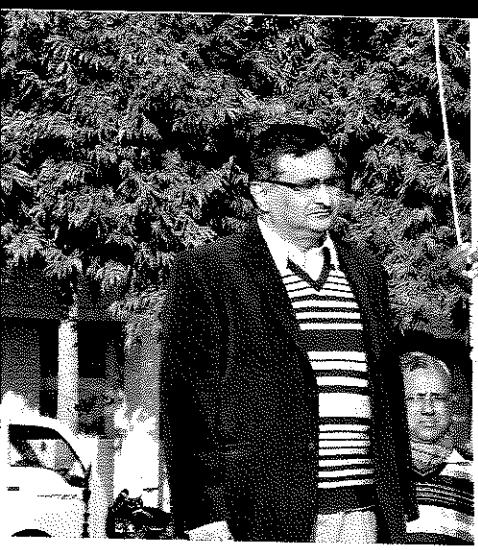
13. IMechE Digital Archive and Current Journals;
14. Institute of Physics (IOP) Science Digital Archive and Selected Current Journals;
15. JSTOR;
16. Nature;
17. Optical Society of America (OSA) Online;
18. Oxford University Press (OUP) Mathematics and Physical Sciences Journals;
19. Project MUSE;
20. Royal Society of Chemistry (RSC) Digital Archive and Current Journals;
21. Royal Society Proceedings A: Mathematical, Physical and Engineering Sciences;
22. Sage selected Journals;
23. ScienceDirect (Elsevier) Journals;
24. Science Online;
25. Society for Industrial and Applied Mathematics (SIAM) Digital Archive and Current Journals;
26. Springer Lecture Notes in Physics;
27. Springer Online Journals;
28. Taylor & Francis Journals-Science & Technology Library;
29. Thieme Journals;
30. Wiley-Blackwell Selected Journals;
31. World Scientific selected Mathematics Journals.

II. Bibliographic Resources:

(1) Scopus (Scientometric Database);

(2) MathSciNet;

(3) J-Gate Custom Content for Consortium (JCCC).



	Computer Science & Engineering	Electrical Engineering	Mechanic Engineering
Placed in India	32	24	17
Placed abroad	5	2	-
Higher studies (India)	1	4	2
Higher studies (Abroad)	1	2	3

PIONEER BATCH (2008) OF IIT ROPAR

Department Computer Science & Engineering

Sr.No.	Entry No.	Student Name
1	P2008CS1001	Amandeep Kamboj
2	P2008CS1002	Apurv Verma
3	P2008CS1003	Ashish Kumar Gola
4	P2008CS1004	Ashish Prasad
5	P2008CS1005	Betha Sandeep
6	P2008CS1006	Bhargav Mangipudi
7	P2008CS1007	Chakka Krishna Chaitanya
8	P2008CS1008	Chhavi Mittal
9	P2008CS1110	Digvijay Singh
10	P2008CS1009	Divya Sharma
11	P2008CS1011	Hardeep Singh Renny
12	P2008CS1012	Ishan Chhabra
13	P2008CS1013	Kanumetta Chandrakanth
14	P2008CS1014	Kondreddy Rahul
15	P2008CS1015	Kumar Ashwani
16	P2008CS1017	Nannuri Manu Bhargava Reddy
17	P2008CS1018	Naveen Kumar
18	P2008CS1019	Neelika
19	P2008CS1020	Parminder Singh Bhatia
20	P2008CS1021	Parteek Singla
21	P2008CS1022	Prabhjot Singh Chandhok
22	P2008CS1024	Prateek Garg
23	P2008CS1025	Praveen Kumar Sah
24	P2008CS1026	Priyanshu Raj
25	P2008CS1029	Sahil Bhagat
26	P2008CS1030	Sahil Gupta
27	P2008CS1083	Sakshi Verma
28	P2008CS1031	Shashank Sharma
29	P2008CS1032	Shashank Soni
30	P2008CS1033	Shlok Chaurasia
31	P2008CS1035	Suresh Kumar Yadav
32	P2008CS1036	Tarun Yadav
33	P2008CS1037	Tushar Gupta
34	P2008CS1038	Vaishali Oberoi

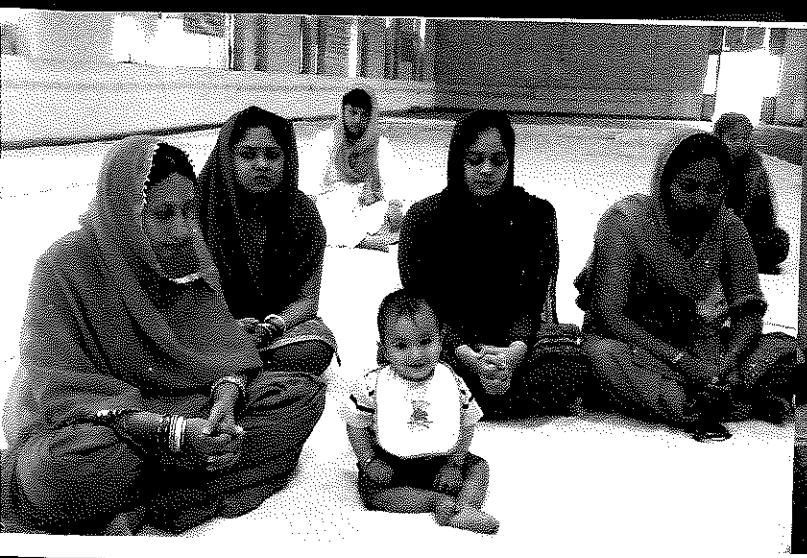
Department Electrical Engineering

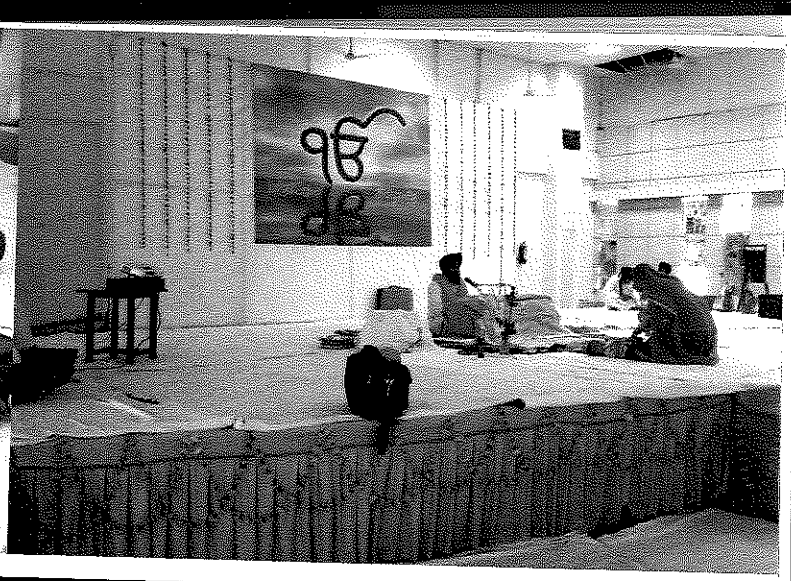
Sr.No.	Entry No.	Student Name
1	P2008EE1051	Abhijeet Singh
2	P2008EE1052	Abhinav Chouksey
3	P2008EE1053	Abhishek Arora
4	P2008EE1054	Abhishek Bhatia
5	P2008EE1055	Akanksha Verma
6	P2008EE1056	Aman Verma
7	P2008EE1057	Amit Kumar Singh
8	P2008EE1058	Ankit Goyal
9	P2008EE1059	Ankit Narula
10	P2008EE1060	Anmol Singh Mann
11	P2008EE1061	Arpit Jain
12	P2008EE1063	Bhavi Dhingra
13	P2008EE1064	Dhawal Pratap Singh
14	P2008EE1065	Divya Mahajan
15	P2008EE1067	Javed Ali
16	P2008EE1068	Kaustubh
17	P2008EE1069	Kaustubh Bijalwan
18	P2008EE1070	Love Singh
19	P2008EE1071	Manish Gupta
20	P2008EE1072	Mulpuru Ravi Teja
21	P2008EE1073	Neetu Bhadana
22	P2008EE1074	Niranjan Kumar
23	P2008EE1075	Nitish Karnatak
24	P2008EE1076	Parteek Munjal
25	P2008EE1077	Pawan Kumar
26	P2008EE1078	Pemmasani Sri Ram Prasad
27	P2008EE1079	Pooja Yadav
28	P2008EE1121	Puneet Puri
29	P2008EE1081	Rahul Gupta
30	P2008EE1028	Rupinder Kaur
31	P2008EE1084	Shashank Chaudhary
32	P2008EE1085	Shoeb Ahmad
33	P2008EE1086	Uday Singh Saini
34	P2008EE1132	Vikas Aggarwal

LIST OF DEGREE AWARDEES

Department Mechanical Engineering

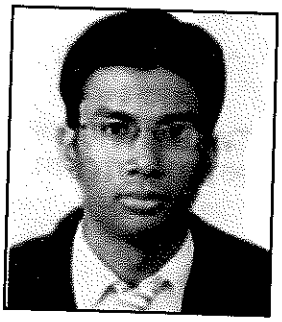
Sr.No.	Entry No.	Student Name
1	P2008ME1101	Aayush Ghosh Choudhury
2	P2008ME1102	Abhishek Kumar Singh Yadav
3	P2008ME1103	Aditya Saini
4	P2008ME1104	Ajay Kumar Verma
5	P2008ME1105	Ankit Singhal
6	P2008ME1106	Anshu Anand
7	P2008ME1107	Ashish Anand
8	P2008ME1108	Ashish Nirmal
9	P2008ME1109	Dharmpal Yadav
10	P2008ME1111	Getta Aranya
11	P2008ME1112	Himanshu Kapoor
12	P2008ME1113	Kunal Sachdeva
13	P2008ME1114	Naveen Kataria
14	P2008ME1116	Nitin Singhal
15	P2008ME1119	Prashant Pratap Singh
16	P2008ME1120	Prashant Yadav
17	P2008ME1122	Raghav Paul
18	P2008ME1123	Rahul Kumar Singh
19	P2008ME1124	Raj Narayan Saha
20	P2008ME1125	S Karandeep Singh
21	P2008ME1126	Sahil Bhagat
22	P2008ME1127	Shashank Sah
23	P2008ME1128	Shikhar Gupta
24	P2008ME1129	Shubham Bansal
25	P2008ME1130	Suman Kumar
26	P2008ME1133	Vishnu Kumar Madan
27	P2008ME1134	Vivek Vishwakarma
28	P2008ME1135	Yogesh Agarwal



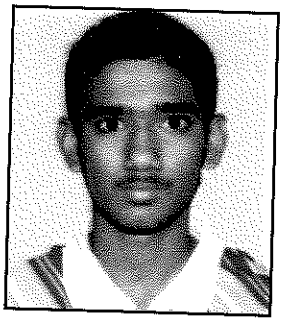


LIST OF MEDALS AWARDEES

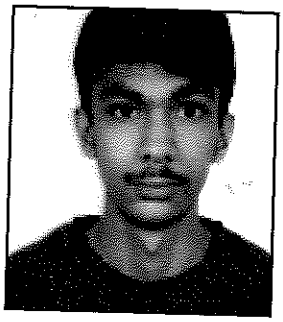
The PRESIDENT GOLD MEDAL for obtaining the highest CGPA amongst the graduating students of the bachelor of Technology in the year 2011-2012 has been awarded to **DIVYA MAHAJAN** of ELECTRICAL ENGINEERING.



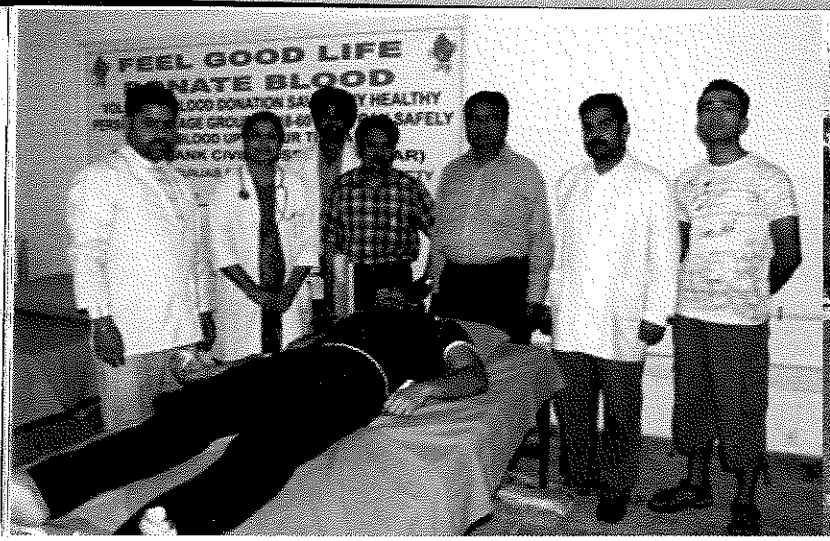
The DIRECTOR GOLD MEDAL FOR the best all rounder amongst the graduating students of the Bachelor of Technology in the year 2011-2012 has been awarded to **SHASHANK SHARMA** of COMPUTER SCIENCE & ENGINEERING.



The INSTITUTE SILVER MEDAL for obtaining the highest CGPA amongst the students graduating under the Bachelor of Technology programme in Computer Science & Engineering has been awarded to **BHARGAV MANGIPUDI.**



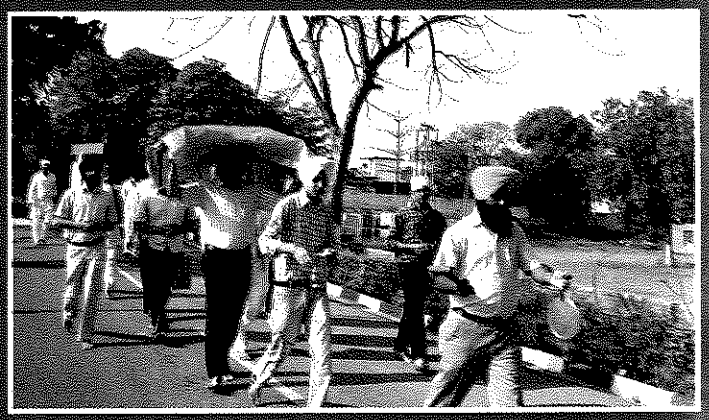
The INSTITUTE SILVER MEDAL for obtaining the highest CGPA amongst the students graduating under the Bachelor of Technology programme in Mechanical Engineering has been awarded to **RAGHAV PAUL.**



CAMPUS AMENITIES

The Institute has the following facilities in addition to the classrooms, laboratories in the transit campus.

- Separate Hostels for boys and girls with dining facilities, recreation facilities, indoor games and internet connectivity.
- Medical Centre with basic medical facilities
- Sports facilities like Cricket Ground, Football Ground, Volley ball Ground, Hockey Ground and Tennis Court indoor games like Table Tennis & Badminton,etc.
- Residential accommodation for faculty and staff
- Guest house
- State Bank of India IIT Ropar Branch
- Post office



भारतीय प्रौद्योगिकी संस्थान रोपड़

नंगल रोड़, रूपनगर, पंजाब – 140001 (भारत)

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