INDIAN INSTITUTE OF TECHNOLOGY ROPAR

भारतीय प्रौद्योगिकी संस्थान रोपड़

ANNUAL REPORT 2012-2013

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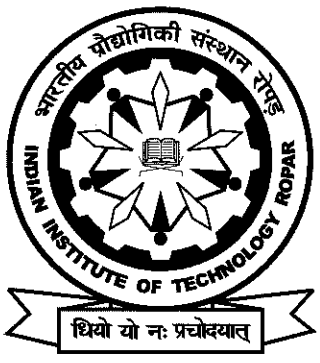
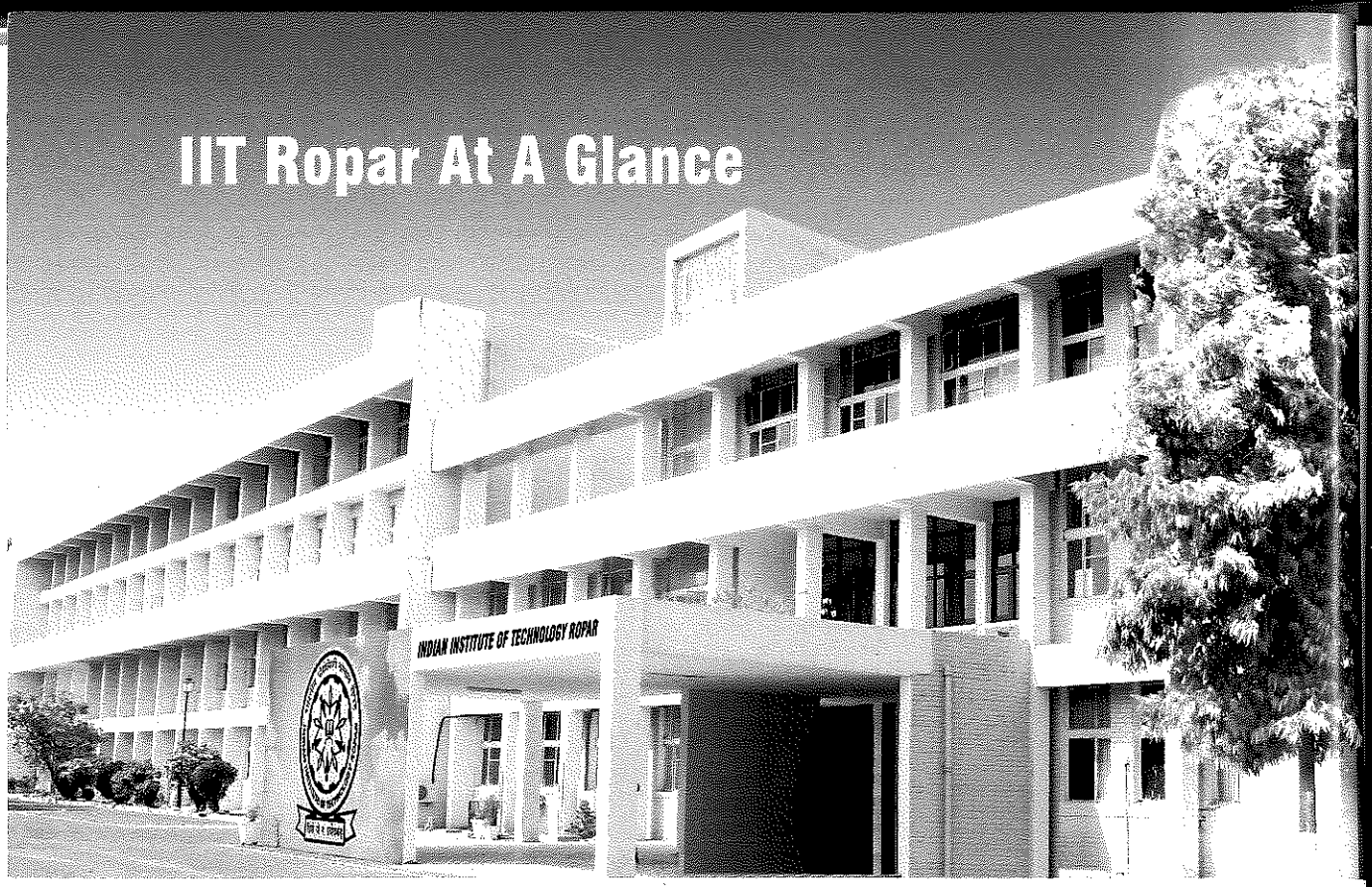
2012-2013



INDIAN INSTITUTE OF TECHNOLOGY ROPAR
Nangal Road, Rupnagar, Punjab – 140001 (INDIA)
भारतीय प्रौद्योगिकी संस्थान रोपड़
नंगल रोड़, रूपनगर, पंजाब - 140001 (भारत)

IIT Ropar At A Glance



Departments and School - 7

Computer Science & Engineering
Electrical Engineering
School of Mechanical, Materials & Energy Engineering
Chemistry
Physics
Mathematics
Humanities and Social Sciences

STUDENTS AS ON 31.03.2013

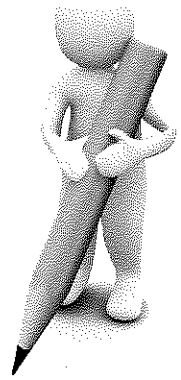
Course	Admission	On Roll
B.Tech..	117	458
Ph.D.	21	65

VISITORS: 45

PUBLICATIONS: 154

STAFF

Faculty	52
Non-Teaching Staff	33



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PREFACE

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

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

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

The town of Rupnagar, which is also the district headquarters, is at a distance of 42 kms fr Chandigarh, the state capital. Rupnagar is well connected by National Highway NH-21. The Delhi-Ambala-U 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 Punjab has allocated 501 acres of land on the banks of the river Satluj to IIT Ropar. When completed, the cam 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 disciplin Computer Science and Engineering, Electrical Engineering and Mechanical Engineering. This programme spread over a period of eight semesters and the Institute admits forty students in each branch. These students selected through IIT Joint Entrance Examination conducted every year. In addition, the Institute now of 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 February 24, 2009. Indian Institute of Technology Ropar has been registered as Society under the Societies' Registration Act 1860 on July 29, 2008. The transit campus of IIT Ropar was inaugurated on August 19, 2009. Indian Institute of Technology Ropar admitted a total of 107 students in 2009, 118 in 2010 to different courses and 105 students who were admitted at IIT Delhi for IIT Ropar were shifted 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 produce quality engineers and scientists. The curriculum provides broadbased 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, all 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. This has enabled our faculty to take up research projects in frontier and emerging areas.

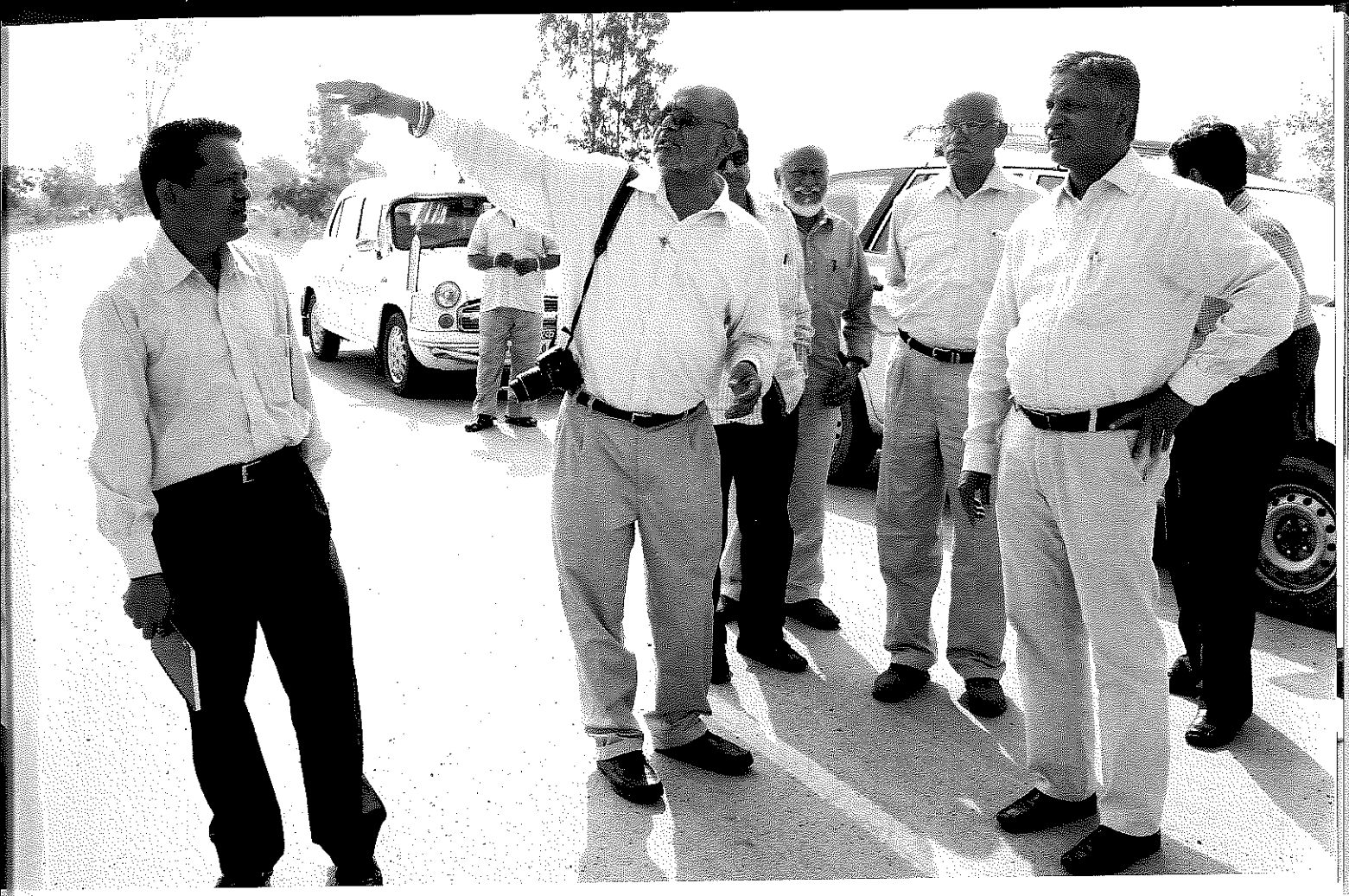
The Institute is actively involved in collaboration programmes with international organizations/universities. Our institute has collaborated with several universities in UK, including Imperial College London, Aston University, GRPE University of Glasgow and the University of Strathclyde. MOUs have been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

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

(Prof. M. K. SURAPPA)

IIT ROPAR–MILESTONES

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



MISSION AND OBJECTIVES

IIT Ropar offers courses and conducts research in Engineering and Basic 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 Institution and industry.

BOARD OF GOVERNORS

CHAIRMAN

1. Prof. V.S. Ramamurthy
   Director, National Institute of Advanced Studies
   Indian Institute of Science Campus
   Bangalore-560012

MEMBERS

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

3. Mr. Rakesh Singh, IAS
   Chief Secretary to Government of Punjab
   Room No. 28, 6th Floor
   Punjab Civil Secretariat
   Chandigarh – 160 001

4. Ms. Amita Sharma, IAS
   Additional Secretary (Higher Education)
   Ministry of Human Resource Development
   Shastri Bhawan
   New Delhi – 110 001

5. Dr. H. R. Bhojwani
   C-150, Sarvodaya Enclave New Delhi – 110 017

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

7. Mr. S. K. Munjal
   CEO
   Hero Corporate Services
   E – 1, Qutab Hotel Complex
   Shahid Jit Singh Marg
   New Delhi – 110 016

8. Prof. P. K. Raina
   Professor-in-charge (A&R)
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140001

9. Prof. S. M. Ishtiaque
   Professor
   Department of Textile Technology
   Indian Institute of Technology Delhi
   Hauz Khas, New Delhi -110 016

SPECIAL INVITEE

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

SECRETARY

11. Mr. A. Palanivel
    Registrar
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001- Punjab

FINANCE COMMITTEE

CHAIRMAN

1. Prof. V. S. Ramamurthy
   Director,
   National Institute of Advanced Studies
   IISc Bangalore Campus
   Bangalore – 560012

MEMBERS

2. Prof. M. K. Surappa
   Director
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar - 140001
   Punjab

3. Ms. Amita Sharma, IAS
   Additional Secretary (Higher Education)
   Ministry of Human Resource Development
   Shastri Bhawan
   New Delhi-110001

4. Mr. J. S. Mathur, IAS
   Additional Secretary & Financial Advisor
   Ministry of Human Resource Development
   Department of Higher Education
   122-A, C-Wing,
   Shastri Bhawan
   New Delhi-110001

5. Prof. R. K. Shevgaonkar
   Director
   Indian Institute of Technology Delhi
   Hauz Khas
   New Delhi- 110016

SECRETARY

6. Mr. A. Palanivel
   Registrar
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140001
   Punjab

BUILDING AND WORKS COMMITTEE

CHAIRMAN

1. Prof. M. K. Surappa
   Director
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140001
   Punjab

MEMBERS

2. Prof. A. Sridharan
   40, West Park Road
   Between 13th & 14th Cross
   Malleswaram
   Bangalore-560003

3. Er. S. Ramanujam
   C/o S.S. Rajan
   New No. 7, Old No. 4, 1st Floor
   Mannar Reddy Street
   T. Nagar, Chennai-600017

4. Er. A. K. Sarin
   840, Sector 17
   Faridabad - 121002

SECRETARY

5. Mr. A. Palanivel
   Registrar
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140001
   Punjab

SENATE

CHAIRMAN

1. Prof. M. K. Surappa
   Director
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140001, Punjab

MEMBERS

2. Prof. N. Sathyamurthy
   Director
   Indian Institute of Science Education & Research
   Knowledge City, Sector 81
   SAS Nagar, Mohali - 140306, Punjab

3. Prof. Arun Kumar Grover
   Vice Chancellor
   Punjab University, Chandigarh-160014

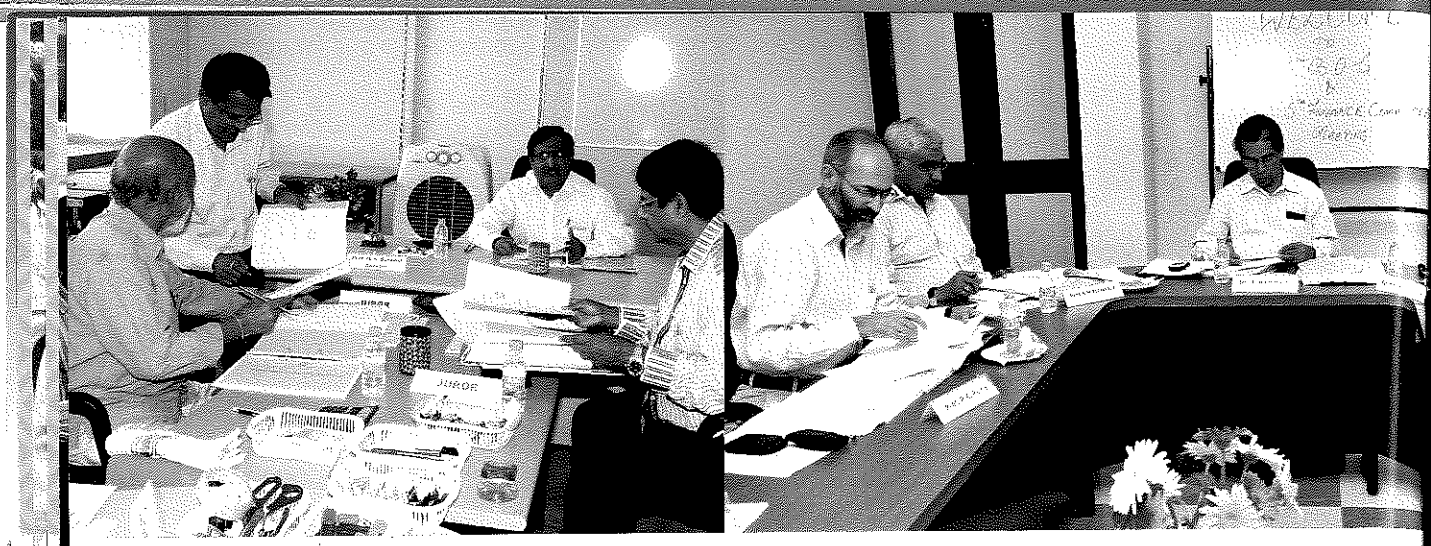
4. Prof. M.L. Munjal
   Honorary Professor
   Department of Mechanical Engineering
   Indian Institute of Science, Bangalore – 560012

5. Prof. P. K. Raina
   Professor and Head
   Department of Physics
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140001, Punjab

6. Prof. Sanjoy Roy
   Professor and Head
   Department of Electrical Engineering
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140001, Punjab

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

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



9. Dr. Harpreet Singh
   Associate Professor and Coordinator
   School of Mechanical, Materials & Energy Engineering
   Indian Institute of Technology Ropar
   Nangal Road, Rupnagar-140001, Punjab

10. Dr. M. Prabhakar
    Assistant Professor and Coordinator
    Department of Mathematics
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001,
    Punjab

11. Dr. Nitin Auluck
    Assistant Professor and Coordinator
    Department of Computer Science & Engineering
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

12. Dr. Narinder Singh
    Assistant Professor and Coordinator
    Department of Chemistry
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

13. Dr. R. Srivastava
    Assistant Professor & PG Coordinator
    Department of Chemistry
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

14. Dr. Jitendra Prasad
    Assistant Professor & UG Coordinator (Curriculum)
    School of Mechanical, Materials & Energy Engineering
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

SPECIAL INVITEES

15. Prof. S. M. Ishtiaque
    Professor
    Department of Textile Technology
    Indian Institute of Technology Delhi
    Hauz Khas, New Delhi-110016

16. Prof. S. R. Kale
    Professor
    Department of Mechanical Engineering
    Indian Institute of Technology Delhi
    Hauz Khas
    New Delhi-110016

17. Dr. Manoranjan Mishra
    Assistant Professor and Warden
    Department of Mathematics
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

18. Dr. Dinesh K.S.
    Deputy Librarian
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001, Punjab

SECRETARY

19. Mr. A. Palanivel
    Registrar
    Indian Institute of Technology Ropar
    Nangal Road, Rupnagar-140001
    Punjab

ADMINISTRATION

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.

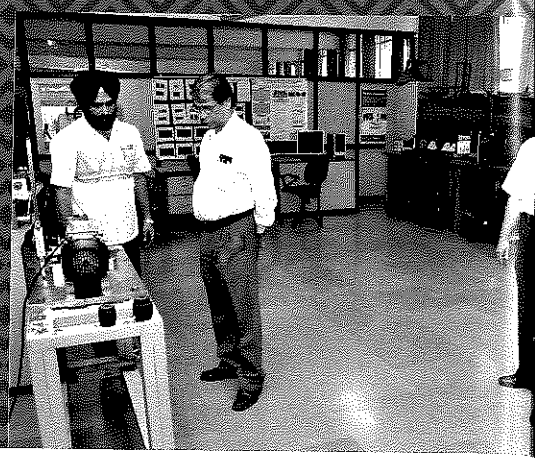
KEY OFFICIALS

Sr. 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	Mr. A. Palanivel

OTHER OFFICIALS

5.	Head, Department of Physics	Prof. P. K. Raina
6.	Head, Department of Electrical Engineering	Prof. Sanjoy Roy
7.	Head, Department of Humanities and Social Sciences	Dr. Rajyashree Khushu Lahiri
8.	Coordinator, Department of Computer Science	Dr. Nitin Auluck
9.	Coordinator, SMMEE	Dr. Harpreet Singh
10.	Coordinator, Department of Chemistry	Dr. Narinder Singh
11.	Coordinator, Department of Mathematics	Dr. M. Prabhakar
12.	PG Coordinator	Dr. Rajendra Srivastava
13.	UG Coordinator	Dr. M. Prabhakar
14.	UG Coordinator (Curriculum)	Dr. Jitendra Prasad
15.	Research Coordinator	Dr. Subhendu Sarkar
16.	Faculty-in-charge (Library)	Dr. J. S. Sahambi
17.	Faculty-in-charge (Training and Placement)	Dr. Anshu Dhar Jayal
18.	Faculty-in-charge (Guest House)	Dr. C. Chakradhar Reddy
19.	Hostel Wardens	I. Dr. Manoranjan Mishra II. Dr. Rano Ringo III. Dr. Somdev Kar
20.	Chairperson Counselling Cell	Dr. Rajyashree Khushu Lahiri
21.	Deputy Librarian	Dr. Dinesh K. S.
22.	Deputy Registrar, Establishment & Stores & Purchase	Mr. Ravinder Kumar
23.	Executive Engineer	Er. T. S. Anand
24.	Assistant Registrar, Accounts & Audit	Mr. Lagvish Kumar
25.	Assistant Registrar, Academics & Students Affairs	Mr. C. S. Sham Sundar
26.	Sports Officer	Mr. Ajeetpal Singh

FACULTY MEMBERS JOINED DURING THE YEAR 2012-13



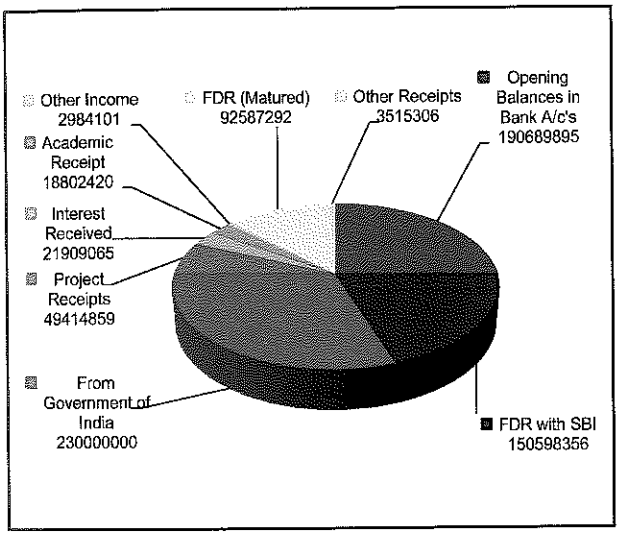
Sr. No.	Name	Designation	Department/School
1.	Dr. Ranjan Das	Assistant Professor	School of Mechanical, Material Energy Engineering
2.	Prof. Braham Prakash	Visiting Professor	School of Mechanical, Material Energy Engineering
3.	Dr. Harpreet Singh	Associate Professor	School of Mechanical, Material Energy Engineering
4.	Dr. Rohit Y. Sharma	Assistant Professor	Electrical Engineering
5.	Dr. Rajib K. Jha	Assistant Professor	Electrical Engineering
6.	Dr. Tharamani C.N.	Assistant Professor	Chemistry
7.	Dr. C. M. Nagaraja	Assistant Professor	Chemistry
8.	Dr. Yashveer Singh	Assistant Professor	Chemistry
9.	Dr. Partha Sharathi Dutta	Assistant Professor	Mathematics
10.	Dr. K. L. Panigrahi	Associate Professor	Physics
11.	Dr. Samaresh Bardhan	Assistant Professor	Humanities & Social Sciences
12.	Dr. Smruti Ranjan Behera	Assistant Professor	Humanities & Social Sciences
13.	Mr. H. S. Khangura	Visiting Faculty	Computer Science & Engineering
14.	Dr. Sudarshan Iyengar	Visiting Scientist	Computer Science & Engineering
15.	Dr. Balwinder Singh Sodhi	Visiting Faculty	Computer Science & Engineering
16.	Dr. Krishnamchar Sreenivasan	Visiting Faculty	Computer Science & Engineering

NON-TEACHING STAFF JOINED DURING THE YEAR 2012-13

Sr. No.	Name	Designation	Department/Section
1.	Mr. C. S. Sham Sundar	Assistant Registrar	Academics & Students Affairs
2.	Mr. Nitin Jain	Junior Hindi Translator	Hindi Cell
3.	Mr. Ajeetpal Singh	Sports Officer	Sports
4.	Mr. Vijay Singh	Junior Account Officer	Account Section

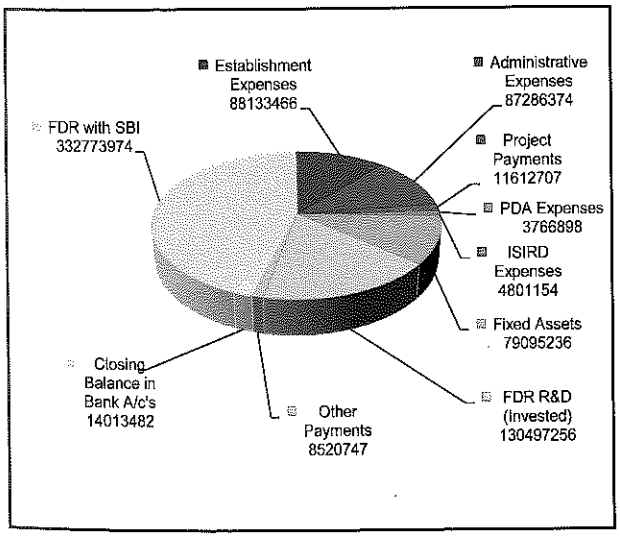
FINANCE & ACCOUNTS

RECEIPTS (Rs.)



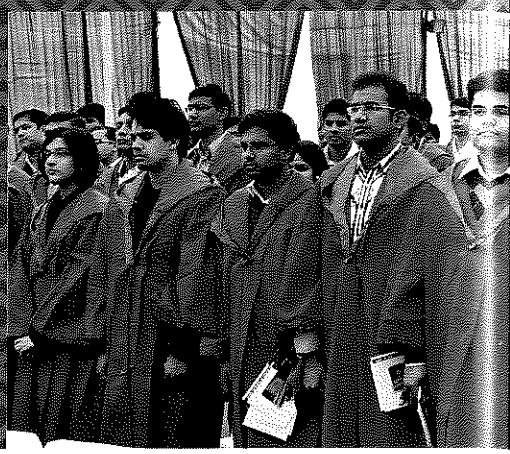
RECEIPTS	AMOUNT (Rs.)
Opening Balances in Bank A/c's	19,06,89,895
FDR with SBI	15,05,98,356
Grant received From Govt. of India	23,00,00,000
Project Receipts	4,94,14,859
Interest Received	2,19,09,065
Academic Receipt	1,88,02,420
Other Income	29,84,101
FDR (Matured)	9,25,87,292
Other Receipts	35,15,306
GRAND TOTAL	**76,05,01,294**

PAYMENTS (Rs.)



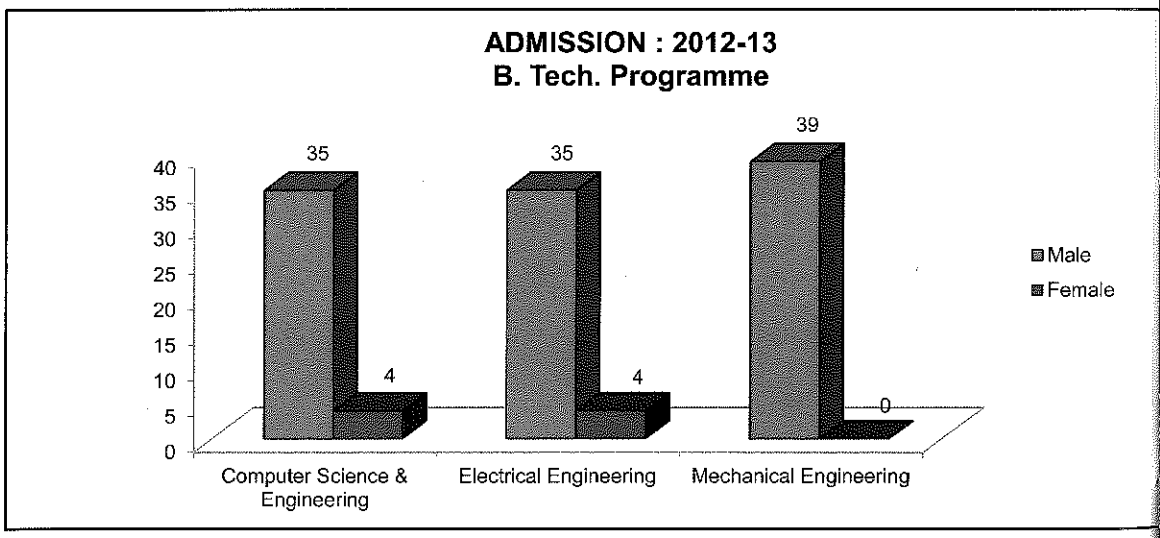
PAYMENTS	Amount (Rs.)
Establishment Expenses	8,81,33,466
Administrative Expenses	8,72,86,374
Project Payments	1,16,12,707
PDA Expenses	37,66,898
ISIRD Expenses	48,01,154
Fixed Assets	7,90,95,236
FDR R&D (Invested)	13,04,97,256
Other Payments	85,20,747
Closing Balance in Bank A/c's	1,40,13,482
FDR with SBI	33,27,73,974
GRAND TOTAL	**76,05,01,294**

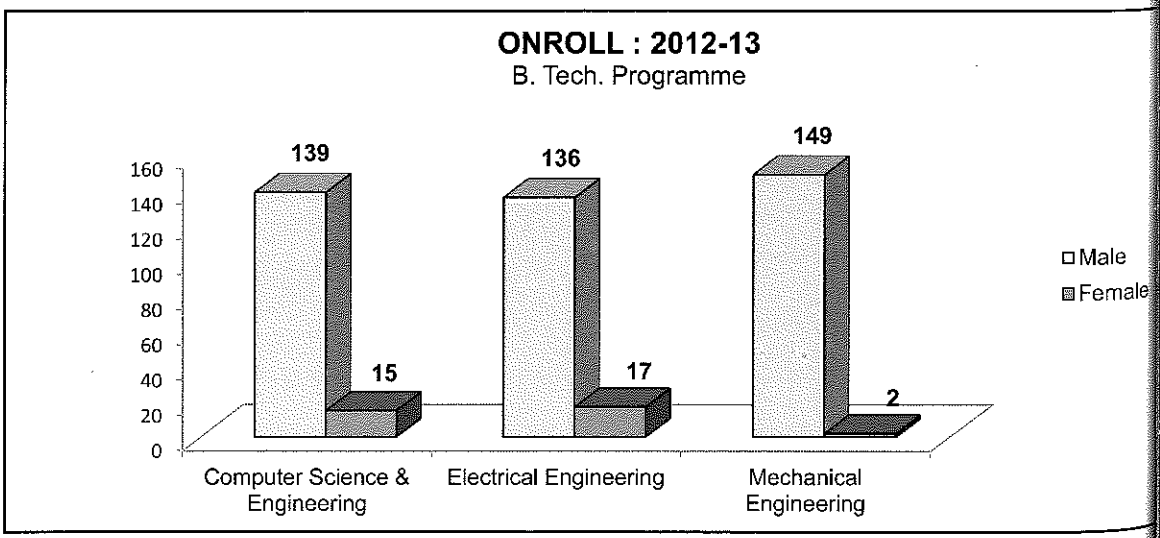
STUDENTS

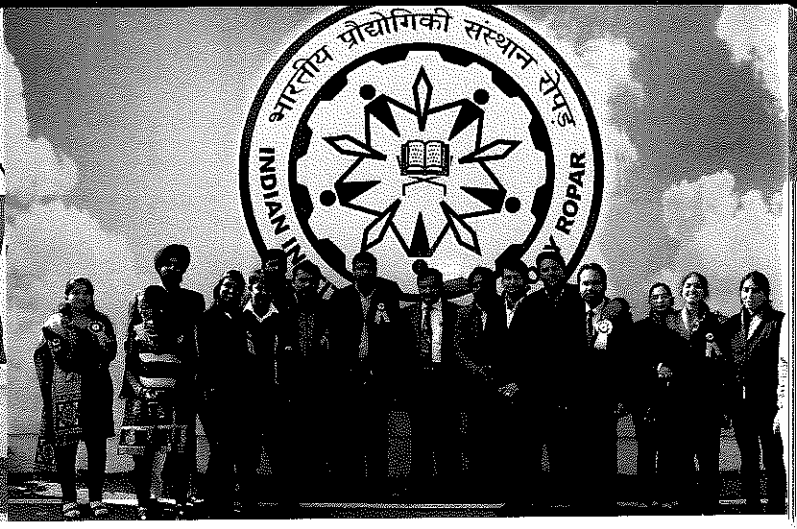


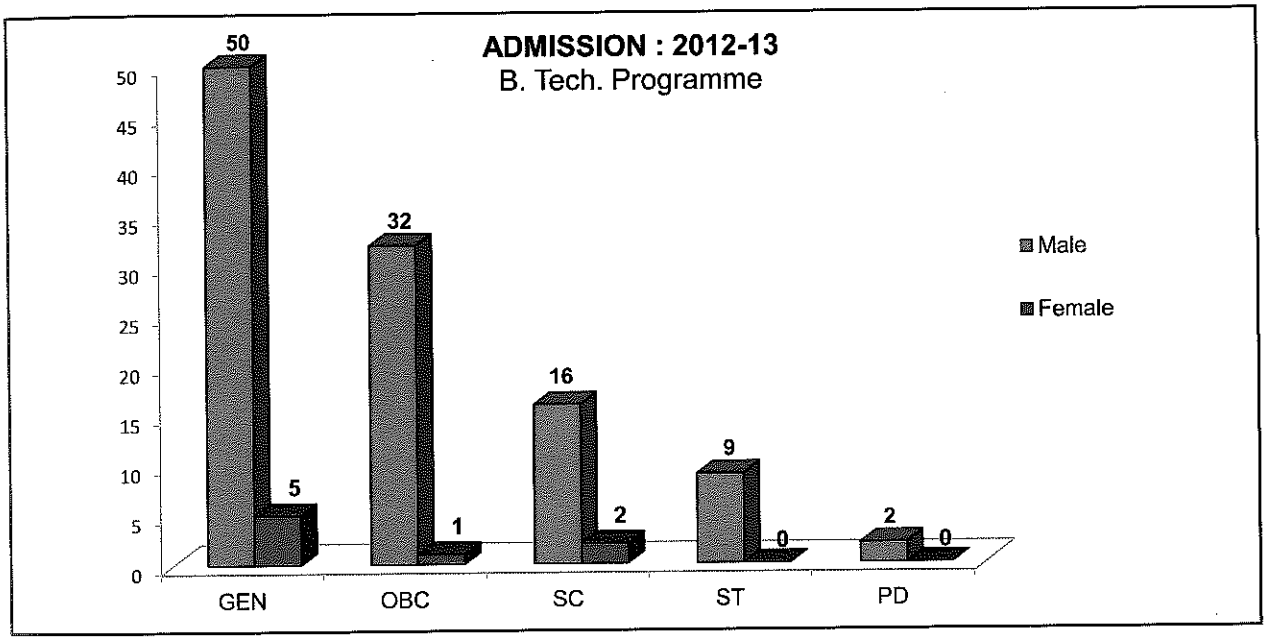
The Institute started functioning from the transit campus from 19th August 2009. The Institute admi students to the B.Tech. programme during the academic year 2012-2013. These students were selected thr All India Joint Entrance Examination. The Institute offers courses in Computer Science & Engineering, E Engineering and Mechanical Engineering. The detail of students admitted to the various Departments is as f

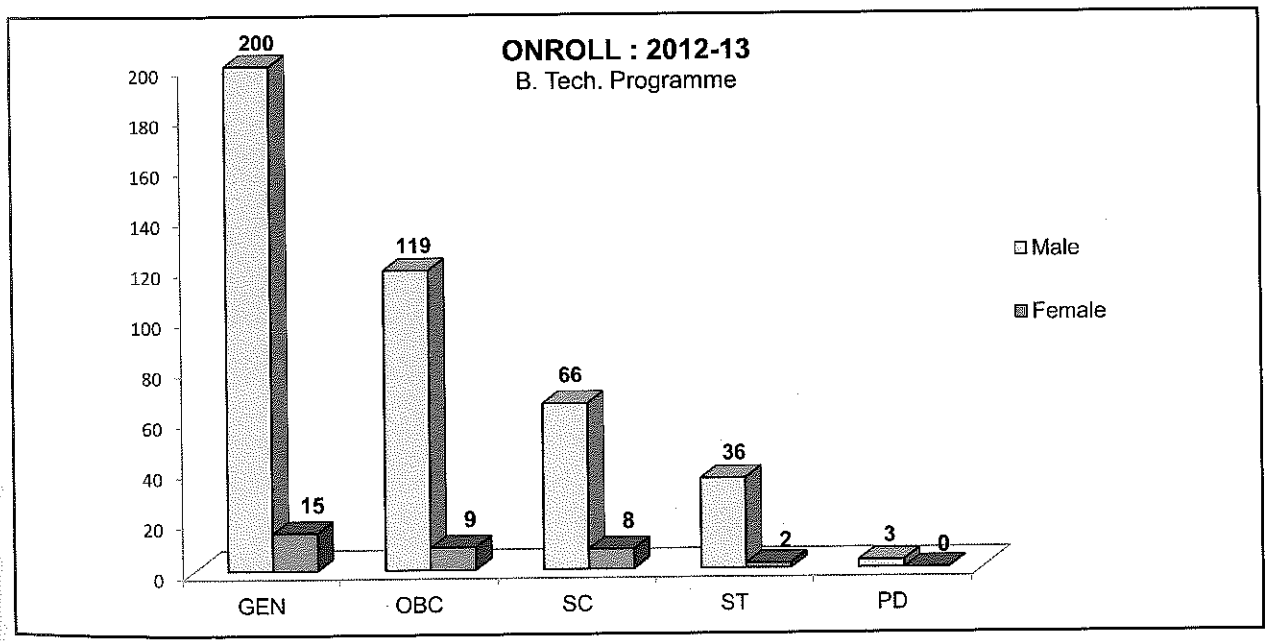
Distribution of Students According to Discipline and Gende

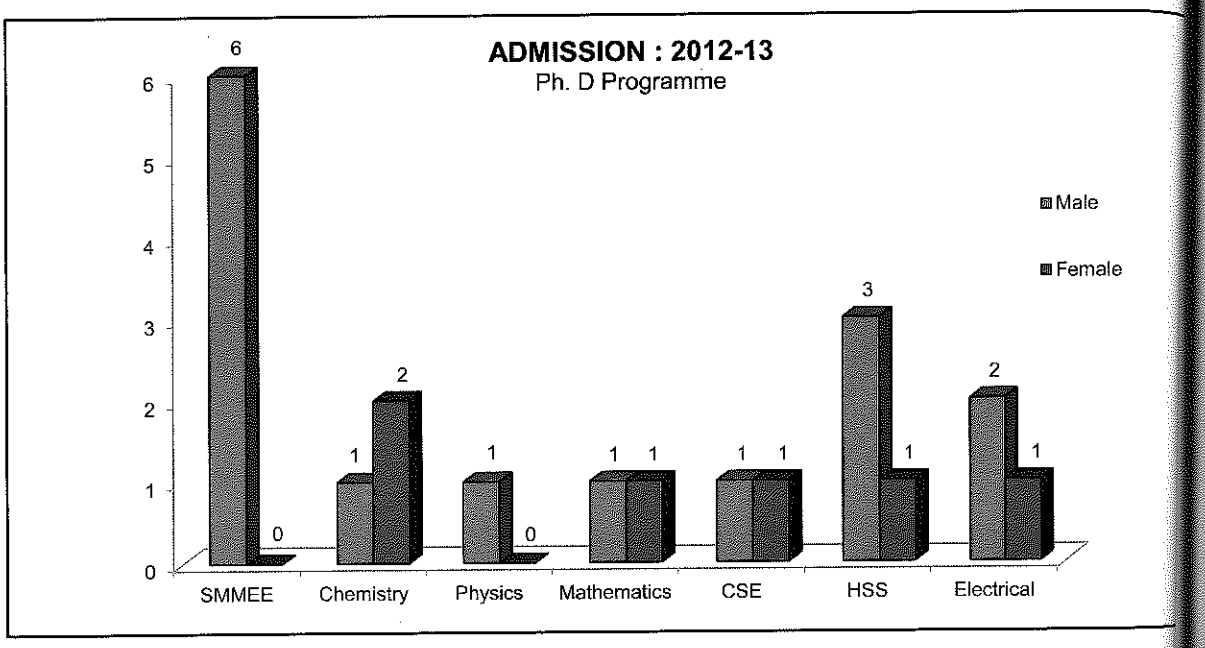







ADMISSION : 2012-13
B. Tech. Programme
50
45
40
35
30
25
20
15
10
5
0
50
5
32
1
16
2
9
0
2
0
GEN
OBC
SC
ST
PD
Male
Female


ONROLL : 2012-13
B. Tech. Programme
200
180
160
140
120
100
80
60
40
20
0
200
15
119
9
66
8
36
2
3
0
GEN
OBC
SC
ST
PD
Male
Female


ADMISSION : 2012-13
Ph. D Programme
Male
Female
SMMEE
Chemistry
Physics
Mathematics
CSE
HSS
Electrical
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2
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1
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3
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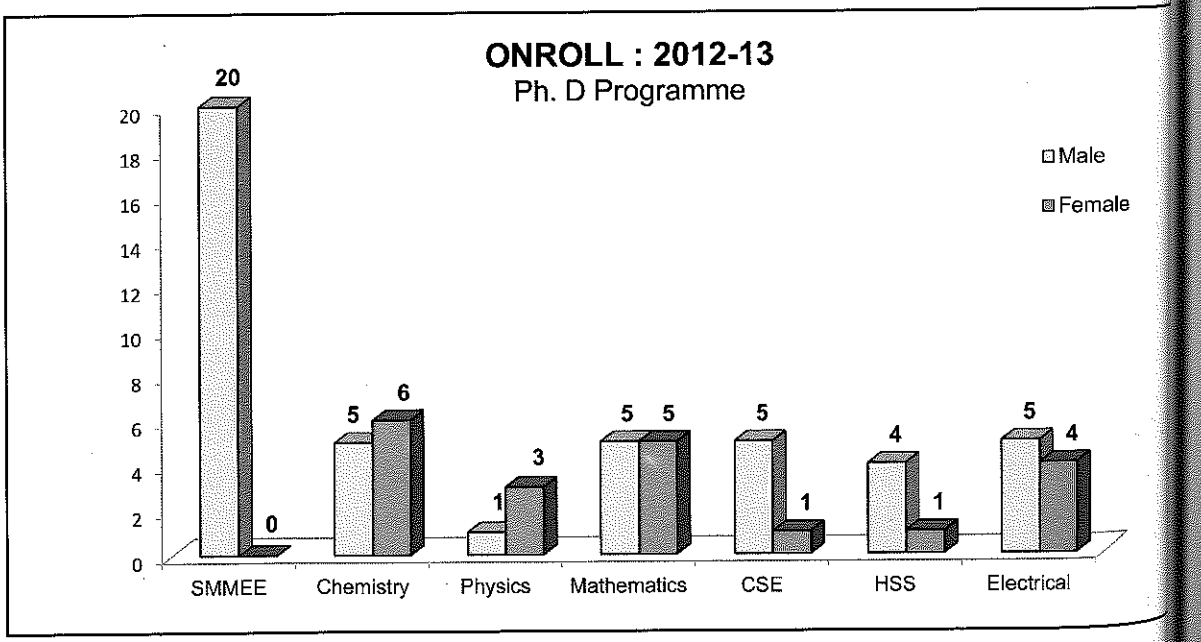
2
1


ONROLL : 2012-13
Ph. D Programme
Male
Female
SMMEE
Chemistry
Physics
Mathematics
CSE
HSS
Electrical
20
0
5
6
1
3
5
5
5
1
4
1
5
4

FINANCIAL ASSISTANCE TO STUDENTS

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 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 2012-13.

FIRST SEMESTER OF ACADEMIC YEAR 2012-13

Sr. No.	Entry No.	Name of the Student
1.	P2009CS1001	Pravesh Jain
2.	P2009CS1002	Prateek Mukati
3.	P2009CS1005	Rishi Aggarwal
4.	P2009CS1007	Pankaj Verma
5.	P2009CS1012	Kapil Kumar
6.	P2009CS1016	Santosh Kumar
7.	P2009CS1021	Madhu Rani
8.	P2009CS1022	Vikas Yadav
9.	P2009CS1030	Akinapally Praveen
10.	P2009CS1036	Vikas Mittal
11.	P2009CS1043	Sonu Kumar Giri
12.	P2009EE1039	Kolbudhe Sneha
13.	P2009EE1053	Arun Singh
14.	P2009EE1066	Ankit Bansal
15.	P2009EE1112	Nikant Vohra
16.	P2009EE1116	Anshul Garg
17.	P2009ME1081	Tahir Sheikh
18.	P2009ME1082	Shiv Kumar
19.	P2009ME1084	Vikas Jawaria
20.	P2009ME1099	Lal Singh
21.	P2009EE1069	Ankush Jain
22.	2010CS1004	Abhishek Kumar Arora
23.	2010CS1005	Aditya Gujral
24.	2010CS1007	Amritpal Singh Sehzra
25.	2010CS1011	Ch. Shubham Shriram
26.	2010CS1012	Deepak Garg
27.	2010CS1025	Narender Yadav
28.	2010CS1038	Vikas Choudhary
29.	2010CS1082	Tanvi Srivastava
30.	2010EE1048	Ashish Jindal
31.	2010EE1056	Karanpreet Singh
32.	2010EE1057	Kaviya Rawat
33.	2010ME1088	Abhishek Singh
34.	2010ME1091	Bhupender Singh Chugh
35.	2010ME1097	Dev Gurera
36.	2010ME1104	Karanveer Singh
37.	2010ME1116	Ravi Sharma
38.	2010ME1119	Sanjeev Rawal
39.	2011CS1008	Gurasis Singh
40.	2011CS1010	Honey Singla
41.	2011CS1011	Imroj Qamar

42.	2011CS1015	Medha Gupta
43.	2011CS1022	Navneet Singh
44.	2011CS1033	Sahil Dabra
45.	2011CS1040	Vikas Almal
46.	2011EE1056	Gitesh Agarwal
47.	2011EE1057	Gourav Bansal
48.	2011EE1058	Harshit
49.	2011EE1064	Satyaprakash Harvansh
50.	2011EE1068	Pulkit Gera
51.	2011EE1069	Rahul Sharma
52.	2011EE1070	Roshan Agarwal
53.	2011ME1090	Boddu Venkata Nagarjuna
54.	2011ME1101	Nitin Jain
55.	2011ME1104	Rakesh Kumar
56.	2012CSB1021	Nikhil Gupta
57.	2012CSB1017	Khan Uzair Suhail
58.	2012CSB1020	Mohit Garg
59.	2012CSB1031	Riya Garg
60.	2012CSB1016	Jeevanjot Singh
61.	2012EEB1045	Amit Goyal
62.	2012EEB1051	Avi Rajput
63.	2012MEB1094	Dhruv Kumar Bansal
64.	2012EEB1069	Priyesh Kumar
65.	2012EEB1053	Ayush Khemka
66.	2012EEB1068	Paras Ahuja
67.	2012MEB1082	Aashish Bhardwaj
68.	2012MEB1118	Sushil Kumar Sharma
69.	2012EEB1059	Jasapara Mohit Bhara
70.	2012MEB1120	Vishal Goyal
71.	2012MEB1109	Piyush Rai
72.	2012CSB1028	Raushan
73.	2012CSB1036	Tharshith Gandi
74.	2012CSB1024	Prashant Hariom Pati
75.	2012CSB1035	Shubham Kumar
76.	2012CSB1030	Ritesh Kumar Chaura
77.	2012CSB1008	Bokka Divya Priyanka
78.	2012CSB1005	Akshay Prasad Singh
79.	2012CSB1037	Jagadeesh Chandra
80.	2012MEB1103	Kuricheti Raviteja
81.	2012EEB1049	Ashish Singh

SECOND SEMESTER OF ACADEMIC YEAR 2012-13

Sr. No.	Entry No.	Name of the Student
1.	P2009CS1001	Pravesh Jain
2.	P2009CS1002	Prateek Mukati
3.	P2009CS1005	Rishi Aggarwal
4.	P2009CS1007	Pankaj Verma
5.	P2009CS1012	Kapil Kumar
6.	P2009CS1016	Santosh Kumar
7.	P2009CS1021	Madhu Rani
8.	P2009CS1022	Vikas Yadav
9.	P2009CS1030	Akinapally Praveen
10.	P2009CS1036	Vikas Mittal
11.	P2009CS1043	Sonu Kumar Giri
12.	P2009EE1039	Kolbudhe Sneha
13.	P2009EE1053	Arun Singh
14.	P2009EE1066	Ankit Bansal
15.	P2009EE1069	Ankush Jain
16.	P2009EE1112	Nikant Vohra
17.	P2009EE1116	Anshul Garg
18.	P2009ME1029	Yashpal Chowki
19.	P2009ME1081	Tahir Sheikh
20.	P2009ME1082	Shiv Kumar
21.	P2009ME1084	Vikas Jawaria
22.	P2009ME1099	Lal Singh
23.	2010CS1004	Abhishek Kumar Aro
24.	2010CS1005	Aditya Gujral
25.	2010CS1007	Amritpal Singh Sehz

26.	2010CS1011	Ch. Shubham Shriram
27.	2010CS1012	Deepak Garg
28.	2010CS1024	Nancharla Santosh Reddy
29.	2010CS1025	Narender Yadav
30.	2010CS1038	Vikas Choudhary
31.	2010CS1082	Tanvi Srivastava
32.	2010EE1048	Ashish Jindal
33.	2010EE1057	Kaviya Rawat
34.	2010ME1088	Abhishek Singh
35.	2010ME1091	Bhupender Singh Chugh
36.	2010ME1097	Dev Gurera
37.	2010ME1101	Gurdeep Singh
38.	2010ME1104	Karanveer Singh
39.	2010ME1116	Ravi Sharma
40.	2010ME1119	Sanjeev Rawal
41.	2011CS1008	Gurasis Singh
42.	2011CS1010	Honey Singla
43.	2011CS1011	Imroj Qamar
44.	2011CS1015	Medha Gupta
45.	2011CS1022	Navneet Singh
46.	2011CS1033	Sahil Dabra
47.	2011CS1040	Vikas Almal
48.	2011EE1056	Gitesh Agarwal
49.	2011EE1057	Gourav Bansal
50.	2011EE1058	Harshit
51.	2011EE1064	Satyaprakash Harvansh
52.	2011EE1068	Pulkit Gera
53.	2011EE1069	Rahul Sharma
54.	2011EE1070	Roshan Agarwal
55.	2011ME1088	Ayush Bagla
56.	2011ME1090	Boddu Venkata Nagarjuna
57.	2011ME1101	Nitin Jain
58.	2011ME1104	Rakesh Kumar
59.	2012CSB1021	Nikhil Gupta
60.	2012CSB1017	Khan Uzair Suhail
61.	2012CSB1020	Mohit Garg
62.	2012CSB1026	Rachit Arora
63.	2012CSB1031	Riya Garg
64.	2012CSB1016	Jeevanjot Singh
65.	2012EEB1045	Amit Goyal
66.	2012EEB1051	Avi Rajput
67.	2012MEB1094	Dhruv Kumar Bansal
68.	2012EEB1069	Priyesh Kumar
69.	2012EEB1053	Ayush Khemka
70.	2012EEB1068	Paras Ahuja
71.	2012MEB1082	Aashish Bhardwaj
72.	2012MEB1118	Sushil Kumar Sharma
73.	2012EEB1059	Jasapara Mohit Bharat
74.	2012MEB1120	Vishal Goyal
75.	2012MEB1109	Piyush Rai
76.	2012CSB1028	Raushan
77.	2012CSB1036	Tharshith Gandi
78.	2012CSB1024	Prashant Hariom Patil
79.	2012CSB1035	Shubham Kumar
80.	2012CSB1030	Ritesh Kumar Chaurasia
81.	2012CSB1008	Bokka Divya Priyanka
82.	2012CSB1005	Akshay Prasad Singh
83.	2012CSB1037	Jagadeesh Chandra
84.	2012MEB1103	Kuricheti Raviteja
85.	2012EEB1049	Ashish Singh

INSTITUTE FREE STUDENTSHIP

This scholarship is given to the SC students only. According to the terms and conditions of this scho awardees will receive a total of Rs. 56670/- towards annual fee, other refundable charges, boarding & 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 scholar been provided to the following students:-

FIRST SEMESTER OF ACADEMIC YEAR 2012-13

Sr. No.	Entry No.	Name of the Student
1.	2010CS1003	Abhishek Kumar
2.	2010CS1016	Harmandeep Singh
3.	2010CS1026	Naveen Kumar
4.	2010EE1062	Manisha Kumari
5.	2010EE1065	Mohan Choudhary
6.	2010EE1068	Narinder Pal Singh
7.	2010EE1081	Surabhi Rathore
8.	2010ME1092	Bhupendra Singh Kasva
9.	2010ME1094	Brijesh Singh Gurjar
10.	2010ME1113	Nishant Kumar
11.	2010ME1105	Ketan Kumayu
12.	2010EE1047	Arvind Beniwal
13.	2011EE1071	Satyendra Maurya
14.	2011CS1039	Utkarsh Barnwal
15.	2011CS1020	Naveen Kumar
16.	2011CS1016	Mishra Alok Sushil Ku
17.	2011EE1061	M Raquib Anjum
18.	2011EE1055	Ghanshyam Shahni
19.	2012EEB1070	Rajneekant Jogi
20.	2012EEB1081	Yalagandula Sumanth
21.	2012EEB1052	Avinash Kumar
22.	2012MEB1096	Duddela Sai Harish
23.	2012MEB1095	Dinesh Chauhan
24.	2012EEB1078	Thallati Girish Kumar
25.	2012EEB1062	Manoj Kumar
26.	2012EEB1056	Deepak Jangid
27.	2012EEB1057	Dhiraj Kumar
28.	2012MEB1104	Maneesh Verma
29.	2012EEB1066	Nitish Kumar
30.	2012MEB1112	Raj Kumar

SECOND SEMESTER ACADEMIC YEAR 2012-13

Sr. No.	Entry No.	Name of the Student
1.	2010CS1003	Abhishek Kumar
2.	2010CS1016	Harmandeep Singh
3.	2010EE1062	Manisha Kumari
4.	2010EE1065	Mohan Choudhary
5.	2010ME1092	Bhupendra Singh Kasva
6.	2010ME1094	Brijesh Singh Gurjar
7.	2010ME1113	Nishant Kumar
8.	2010ME1105	Ketan Kumayu
9.	2011EE1071	Satyendra Maurya
10.	2011CS1039	Utkarsh Barnwal
11.	2011CS1020	Naveen Kumar
12.	2011CS1016	Mishra Alok Sushil Kumar
13.	2011EE1061	M Raquib Anjum
14.	2011EE1055	Ghanshyam Shahni
15.	2011ME1084	Anurag Patel
16.	2011ME1098	Mahajan Gaurav Jagat
17.	2011ME1113	Shashank Saurabh
18.	2012EEB1052	Avinash Kumar
19.	2012EEB1057	Dhiraj Kumar
20.	2012EEB1070	Rajneekant Jogi
21.	2012EEB1078	Thallati Girish Kumar
22.	2012MEB1095	Dinesh Chauhan
23.	2012MEB1096	Duddela Sai Harish
24.	2012MEB1112	Raj Kumar

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 first and second semester. A total amount of Rs. 2500/- and a merit certificate is given to these students. The following students received this Scholarship:

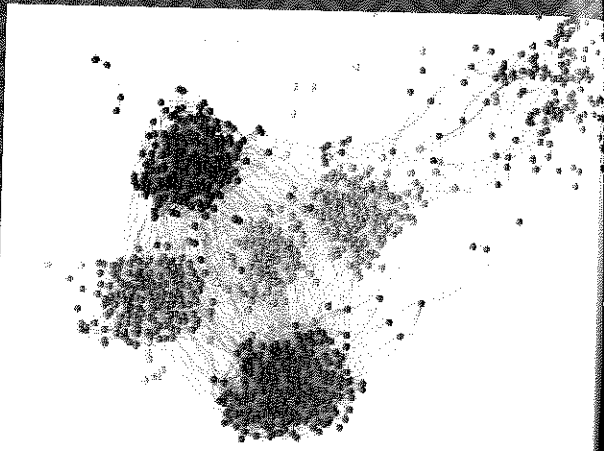
FIRST SEMESTER OF ACADEMIC YEAR 2012-13

Sr. No.	Entry No.	Name of the Student
1.	P2009CS1101	Shruti Tripathi
2.	P2009CS1021	Madhu Rani
3.	P2009CS1034	Tania Garg
4.	P2009EE1046	Ankita
5.	P2009EE1039	Kolbudhe Sneha
6.	P2009EE1069	Ankush Jain
7.	P2009ME1062	Gayathri Lakshmi Kulukuru
8.	P2009ME1100	Rajesh Kumar
9.	2010CS1006	Akshat Mittal
10.	2010CS1001	Abhisaar Sharma
11.	2010CS1012	Deepak Garg
12.	2010EE1048	Ashish Jindal
13.	2010EE1042	Aditya Dalakoti
14.	2010EE1057	Kaviya Rawat
15.	2010ME1122	Somyanshu Arora
16.	2010ME1100	Divyanshu Bhardwaj
17.	2010ME1116	Ravi Sharma
18.	2011CS1009	Harsimran Singh
19.	2011CS1012	Jaskaran Singh Virdi
20.	2011EE1068	Pulkit Gera
21.	2011ME1112	Shah Yash Girish
22.	2011ME1101	Nitin Jain
23.	2012MEB1089	Ankit Khokhar
24.	2012CSB1013	Gaurav Mittal
25.	2012CSB1006	Aniket
26.	2012CSB1032	S Deepak Srinivas
27.	2012EEB1046	Amogh Agrawal
28.	2012CSB1034	Savyasachi
29.	2012EEB1045	Amit Goyal
30.	2012EEB1047	Anshuman Yadav

SECOND SEMESTER OF ACADEMIC YEAR 2012-13

Sr. No.	Entry No.	Name of the Student
1.	P2009CS1021	Madhu Rani
2.	P2009CS1043	Sonu Kumar Giri
3.	P2009CS1101	Shruti Tripathi
4.	P2009EE1085	Jay Kumar Jain
5.	P2009EE1069	Ankush Jain
6.	P2009EE1116	Anshul Garg
7.	P2009ME1062	Gayathri Lakshmi Kulukuru
8.	P2009ME1108	Rahul Gulati
9.	2010CS1087	Abhimanyu R Niroola
10.	2010CS1001	Abhisaar Sharma
11.	2010CS1020	Kshitij Yogesh Gupta
12.	2010EE1048	Ashish Jindal
13.	2010EE1057	Kaviya Rawat
14.	2010EE1042	Aditya Dalakoti
15.	2010ME1122	Somyanshu Arora
16.	2010ME1100	Divyanshu Bhardwaj
17.	2010ME1116	Ravi Sharma
18.	2011CS1057	Gourav Bansal
19.	2011CS1015	Medha Gupta
20.	2011EE1068	Pulkit Gera
21.	2011EE1061	M Raquib Anjum
22.	2011ME1112	Shah Yash Girish
23.	2011ME1103	R Rohan Prasad
24.	2012EEB1046	Amogh Agrawal
25.	2012CSB1013	Gaurav Mittal
26.	2012CSB1020	Mohit Garg
27.	2012EEB1047	Anshuman Yadav
28.	2012MEB1094	Dhruv Kumar Bansal
29.	2012MEB1089	Ankit Khokhar
30.	2012CSB1038	Vipin A
31.	2012EEB1078	Thallati Girish Kumar

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



COORDINATOR: Dr. Nitin

Programme offered	:	B.Tech. & Ph.D.
No. of Students	:	B.Tech.: 154
		Ph.D. : 06
Publications	:	10

Dr. Apurva Mudgal
Ph.D. (Georgia Tech, USA)
Assistant Professor
Theoretical Computer Science, Approximation Algorithms, Theoretical Robotics, Computational Geometry.

Dr. Balwinder Sodhi
Ph.D. (IIT Kanpur)
Visiting Faculty
Cloud Computing, Software Architecture, Design Patterns, Web Technologies, Big Dat
Knowledge Discovery, Distributed Systems, EAI and IT Security.

Dr. Deepti Bathula
Ph.D. (Yale University, USA)
Assistant Professor
Medical Image Processing and Analysis, Pattern Recognition, Machine Learning and Computer Vision

Dr. Krishnamchar Sreenivasan
Ph.D. (University of Pennsylvania, USA)
Visiting Professor
Cloud Computing, Performance Modeling, Application of Theory of Similitude to Perfo
Evaluation, and Apply Stochastic Theory to Study Flow in Large Cloud Networks.

Dr. Nitin Auluck
Ph.D. (University of Cincinnati, USA)
Assistant Professor & Coordinator
Scheduling and Resource Allocation in Parallel and Distributed Systems, Real-Time Sy

Dr. Sudarshan Iyengar
Ph.D. (IISc, Bangalore)
Visiting Scientist
Network science, Theoretical Computer Science, Cryptography, Evolutionary Psycholo

Ongoing Activities:

- Teaching and 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
- Image Processing and Pattern Recognition
- Computational Geometry
- Cloud Computing
- Software Architecture
- Performance Modelling
- Cryptography

Facilities

- Three computer labs with a capacity of 40 students each.
- Post Graduate research labs.
- High speed internet access.
- Wi-Fi access.
- Open source computer lab.
- Access to high performance computing servers.
- Access to Linux and Windows powered machines.
- State of the art hardware from Cisco.

LECTURES BY VISITING EXPERTS

Name of the Expert	Topic
Dr. Balwinder Sodhi, IIT Kanpur	Contemporary Computing Platforms: A Software Architecture Perspective.
Dr. Vivek Mishra	Simulation based Methods for Optimization, October 1, 2012.
Prof. Shalabh Bhatnagar, IISc	Simultaneous Perturbation Algorithms for Optimization via Simulation, February 26, 2013
Prof. N. Viswanadham, IISc	Innovation in Emerging Markets and Challenges of Network Governance, March 4, 2013.
Prof. N. Viswanadham, IISc	Building Research and Innovation Ecosystem, March 5, 2013

INVITED LECTURES BY FACULTY

Name of the faculty member	Institute Visited
Dr. Nitin Auluck	Real-Time Scheduling on Heterogeneous Multiprocessors, Te Ballistics Research Laboratory, DRDO, August 30, 2012.
Dr. Nitin Auluck	Assessing College Education, Infosys Campus Chandigarh, Janua 2013.
Dr. Nitin Auluck	Restricted Duplication based MILP Formulation for Scheduling Graphs on Unrelated Parallel Machines, High Performance P Computing Workshop, Punjab University, March 22, 2013.
Dr. Krishnamchar Sreenivasan	US-India Research Forum, Cloud Workshop, Coimbatore, Consumption by Cloud Configurations, Aug 2012.
Dr. Krishnamchar Sreenivasan	Digitization of School Education in Punjab Schools. Also moder Panel Session of many Vice Chancellors and Presidents of Univer Feb 14, 2013.
Dr. Krishnamchar Sreenivasan	Invitee at IIT, Gandhinagar, 2 day workshop at Indian Cla Mathematics, March 16-17, 2013.
Dr. Krishnamchar Sreenivasan	IFOSYS, conference on Big Data, Was the Chief Guest to ingrat Workshop and delivered a lecture on Cloud March 21, 2013 Comp College of Engineering, Kurukshetra
Dr. Sudarshan Iyengar	IISc Bangalore, CCS department Network thinking, September 29, 20
Dr. Sudarshan Iyengar	Manasagangotri, Mysore University Refresher Course in Cryptog March 19, 2013
Dr. Sudarshan Iyengar	IISER Kolkata, Spirit of Computing, Navigational Strategies in Pro Solving, A tour and detour in Network Science, Feb 18, 19, 20, 2013
Dr. Sudarshan Iyengar	ISI Kolkata, Understanding Human navigation using network an March 1, 2013.
Dr. Sudarshan Iyengar	AIT, A novel approach to Rank WebPages, March 21, 2013.
Dr. Sudarshan Iyengar	PEC Chandigarh, The Joy of Computing, March 27, 2013.

VISITS ABROAD BY FACULTY MEMBERS

Faculty Name	Organization
Dr. Nitin Auluck	National Taiwan University of Science and Technology, Taipei, T December, 2012.
Dr. Krishnamachar Sreenivasan	University of Melbourne, March 2013.

DEPARTMENT OF ELECTRICAL ENGINEERING

HEAD OF THE DEPARTMENT: Prof. Sanjoy Roy

Programme offered	:	B.Tech.. & Ph.D.
No. of Students	:	B.Tech.: 153
		Ph.D. : 09
Publications	:	18

Dr. C. Chakradhar Reddy
Ph.D. (IISc Banglore)
Assistant Professor
Mechanism of Conduction and Breakdown in Dielectrics Space Charges in Dielectrics Power equipment (Transformers, Machines HVDC/AC Cables and accessories) Nano-composite Dielectrics

Dr. J. S. Sahambi
Ph.D. (IIT Delhi)
Associate Professor
Signal processing, image processing, wavelets, biomedical image processing, embedded systems, DSP based systems.

Dr. Ranjana Sodhi
Ph.D. (IIT Kanpur)
Assistant Professor
Wide area monitoring and control systems. Application of optimization techniques to power systems Voltage stability assessment and control Power system state estimation power system restructuring.

Dr. Ravibabu Mulaveesala
Ph.D. (IIT Delhi)
Assistant Professor
Infrared vision and video processing.Signal and image processing techniques for non-invasive imaging methods.Photo-thermal diagnostics of solids.Non-destructive Testing & Evaluation

Dr. Rohit Y. Sharma
Ph.D. (Jaypee University of Information Technology)
Assistant Professor
Design of high-speed chip-chip and 3D interconnects Communication schemes for multi-core architecture Technology development for high-performance electrical connectivity

Prof. Sanjoy Roy
Ph.D. (University of Calgary, Canada)
Professor & Head
Renewable energy systems: planning and economics, Decision making in power network management

Ongoing Activities:

- Undergraduate programme in Electrical Engineering
- Sponsored projects as detailed in item No.VI
- Undergraduate laboratory development
  1. Analog & digital electronics laboratory
  2. Electromechanics laboratory
  3. Electromeganetics laboratory
  4. Communication laboratory
  5. Power & energy computation laboratory
  6. VLSI design laboratory

Research laboratory development

- Embedded system laboratory
- Dielectrics measurement laboratory
- Infrared imaging laboratory

•Thrust Areas:

- Wide area monitoring, power system optimization, power system deregulation
- Nanodielectrics
- High voltage engineering
- Infrared Imaging, Non invasive testing
- VLSI design, high frequency interconnects
- Biomedical imaging and signal processing
- Renewable energy systems

LECTURES BY VISITING EXPERTS

Name of the Expert	Topic
Prof. Toshikatsu Tanaka Waseda University, Tokyo, 18-22 July 2012	a) Nanodielectrics b) Electrical Treeing

INVITED LECTURES BY FACULTY

Name of the faculty member	Institute visited
Dr. C. C. Reddy	IIT Madras, July 2012.
Dr. Ranjana Sodhi	IIT Kanpur, April 13-14, 2012.
Dr. Rohit Y. Sharma	Semiconductor laboratories, Mohali, September 2012
Dr. J. S. Sahambi	Sant Baba Bhag Singh Institute of Engg. and Tech, Jala September 12, 2012
Dr. J. S. Sahambi	NIT, Hamirpur, February 17, 2013

SCHOOL OF MECHANICAL, MATERIALS & ENERGY ENGINEERING

COORDINATOR: Dr. Harpreet Singh

Programme offered : B.Tech.. & Ph.D.
No. of Students : B.Tech.: 151
Ph.D. : 20
Publications : 55

Dr. Anshu Dhar Jayal
Ph.D. (University of Utah)
Assistant Professor
Sustainable Manufacturing Technologies

Dr. Anupam Agrawal
Ph.D. (IIT Kanpur)
Assistant Professor
Analysis of Metal Forming Processes Deformation Analysis, CAD/CAM

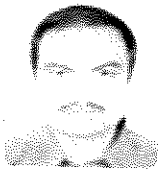
Dr. Ekta Singla
Ph.D. (IIT Kanpur)
Assistant Professor
Robotics, Redundant Manipulators, Robot Path Planning, Modular Manipulators, Optimal Mechanical Design, Evolutionary Robotics

Dr. Himanshu Tyagi
Ph.D. (Arizona State University USA)
Assistant Professor
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

Dr. Harpreet Singh
Ph.D. (IIT Roorkee)
Associate Professor & Coordinator
Surface Engineering-Degradation of Materials, High Temperature Corrosion and its Protection, Slurry Erosion of Hydraulic Turbines and its Control, Biomedical Coatings

Dr. Jitendra Prasad
Ph.D. (Michigan State University USA)
Assistant Professor
Biomechanics, Bone Fracture Healing, Mechanotransduction, Structural and Multidisciplinary Design Optimization, Computational Mechanics, and Agent Based Modelling

Dr. Navin Kumar
Ph.D. (IIT Delhi)
Assistant Professor
Mechanics and dynamics of Bio and Nano materials and structures, computational and experi
studies on Nano and Bio Material Characterization, Noise and Vibration control, Fault diagnos



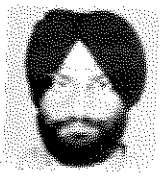
Dr. Prabir Sarkar
Ph.D. (IISc Bangalore)
Assistant Professor
Product design, Sustainability and eco design, Creativity and innovation, Engineering de
and industrial design, Manufacturing

Dr. Ramjee Repaka
Ph.D. (IIT Kharagpur)
Assistant Professor

Heat Transfer, Thermal Engineering, Bioheat Transfer

Dr. Ranjan Das
Ph.D. (IIT Guwahati)
Assistant Professor

Thermal and Fluids Engineering, Optimization, Renewable Energy



Dr. Satwinder Jit Singh
Ph.D. (IISc Bangalore)
Assistant Professor

Applied Mechanics, Numerical Methods

Prof. M. K. Surappa, FNA, FNAE
Ph.D. (IISc Bangalore)
Professor

Solidification Processing of Metal Matrix Composites and Tribology

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, Thermal Engineering, Bio-medical Engineering

Facilities

1. X-Ray Diffraction Machine
2. Scanning Electron Microscope (SEM) /Energy Dispersive Spectroscope (EDS)
3. Gas Turbine Test Rig
4. Linear Parabolic Trough Solar Collector
5. Universal Tribometer (UMT-III)
6. Optical Microscope (Leica)
7. Universal Bulk Hardness Tester
8. Micro-hardness Tester
9. Surface Roughness Tester
10. Light Metal Casting Facility
11. Tube Furnace (1100°C)
12. Muffle Furnace (1400°C)
13. Planetary Ball Mill (P-7, Premium line)
14. Hysitron Nano Indenter TI950
15. 3-D Printer
16. Balancing of Reciprocating Masses Test Rig
17. CNC Lathe
18. CNC Vertical Mill Machine
19. Centrifugal Pump System
20. Radial Drill Machine
21. Electric Discharge Machine
22. Coordinate Measuring Machine
23. Electro Dynamic Shaker
24. Active Vibration Control System
25. Vibration Exciter
26. Piezoamplifier
27. Noise Level Meter
28. Forced Convection Rig
29. Natural Convection Rig
30. Kuka Robotics Arm
31. Versatile TETRIX Kit
32. Lego Kits
33. Experimental facilities for Micro Controller Studies
34. Programme Logic Controller (PLC)
35. Universal Testing Machine

LECTURES BY VISITING EXPERTS

Name of the Expert	Topic
Dr. Suhasini Gururaja Indian Institute of Science Bangalore	Processing and secondary manufacturing effects on advanced composites
Dr. Robert Taylor University of New South Wales, Australia	Solar thermal: working fluids & PV/T
Prof. S. K. Das Indian Institute of Technology Madras	Thermal ablation of tumor using nanoparticle assisted LASER irradiation
Prof. Rudra Pratap Indian Institute of Science Bangalore	Initiation and execution of big interdisciplinary research projects: the role of vision, teamwork, and infrastructure development.
Prof. K. Chattopadhyay Indian Institute of Science Bangalore	Doing research in India: Pages from personal experience.
Prof. S. K. Saha Indian Institute of Technology Delhi	RoCK-BEE: Robotics competition knowledge based education in engineering

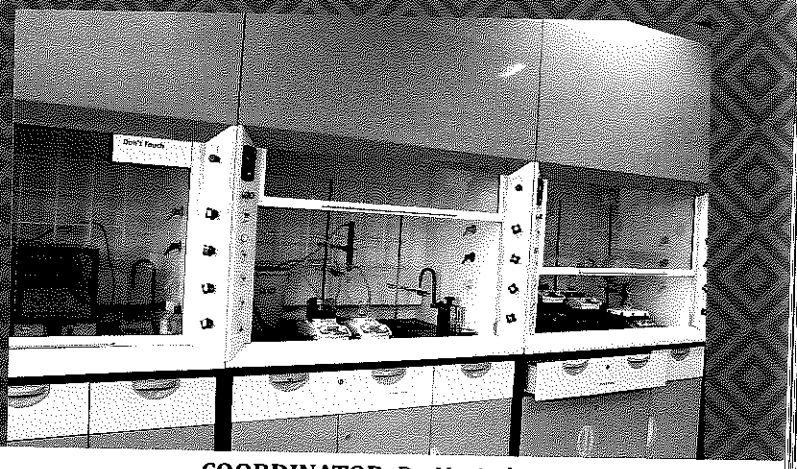
INVITED LECTURES BY FACULTY

Name of the faculty member	Institute visited
Dr. Himanshu Tyagi	School of Photovoltaic & Renewable Energy Engineering, University o South Wales, Sydney, NSW, Australia, Apr 2012, Harvesting Solar Energy Nanofluids-Based Concentrating Solar Collection.
Dr. Himanshu Tyagi	RBCEBTW College, as part of Faculty Development Program on Em Trends in Nanoscience and Technology sponsored by Punjab Tec University, India, Jul 2012
Dr. Himanshu Tyagi	Role of Nanotechnology in Harnessing Renewable Energy. National Institute of Technology Hamirpur, as part of the National Worksh Power Generation from Renewable Energy Sources sponsored by Minis New & Renewable Energy, India, and Mar 2013 Utilizing Nanoparticle
Dr. Harpreet Singh	Harnessing Solar Thermal Energy. RIMT College of Engineering and Technology, Mandi Gobindgarh, Punjab, Slurry Erosion in Hydroturbines and its Protection during Punjab Tech University sponsored Symposium on Recent Advances in Emerging Su
Dr. Harpreet Singh	Engineering Practices. AICTE-sponsored Faculty development Program, CGS Colleges, Ghuraun,
Dr. Harpreet Singh	Friction Stir Processing of a Mg-based Alloy. International Conference on Corrosion in Infrastructure & Chemical Indus (CICI 2012) during December 6-8, 2012 at ITM Universe Vadodara,
Dr. Ekta Singla	Comparative High Temperature Corrosion Behaviour of Ni-20Cr Coa deposited by Various Thermal Spraying Techniques.
Dr. Ekta Singla	University Institute of Engineering & Technology, Chandigarh, Jan 21-25, 20
Dr. Ekta Singla	Chandigarh University, Garuan, March 5, 2013
Dr. Ekta Singla	Thapar University, Patiala, March 21-23, 2013
Dr. Navin Kumar	Dr. Ambedkar Institute of Technology, Bangalore, March 25-29, 2013
Dr. Navin Kumar	Charaterization of nano materials Recent innovation in engineering Technology, 2012, Galaxy Global Educational Institutes, Ambala, India.
Dr. Anshu Dhar Jayal	Inaugural expert lecture in FQIP Panjab University Chandigarh, 2013
Dr. Anshu Dhar Jayal	Delivered an invited lecture on Sustainable Manufacturing: Recent Trends Future Developments at theInternational Conference on Global Techno Initiatives, Rizvi College of Engineering, Mumbai, March 29-30, 2013, chaired two sessions at the conference.
	Delivered an invited lecture on Sustainable Micromanufacturing at the Sh Term School on Micromanufacturing, IIT Kanpur, November 05–10, 2012.

VISITS ABROAD BY FACULTY MEMBERS

Name of the faculty member	Topic
Dr. Harpreet Singh	International Conference on X-Rays & Related Techniques in Research & Indus 2012 (ICXRI 2012) at Penang, Malaysia during July 3-5, 2012
Dr. Himanshu Tyagi	Delivered an invited talk and co-organized the Sustainable Energy Fellows Workshop & Collaborative Projects, University of New South Wales, Australia.
Dr. Navin Kumar	Glasgow University, Glasgow, UK for joint research collaboration. (May-June 20
Prof. M.K. Surappa	Talk at the Young Investigators Meeting in Berlin on September 14, 2012.
Prof. M.K. Surappa	Visited Imperial College, London during October 28, 2012.

DEPARTMENT OF CHEMISTRY



COORDINATOR: Dr. Narinder Singh

Programme offered : Ph.D.
No. of Students : Ph.D.: 11
No. of Publications : 37

Dr. Avijit Goswami
Ph.D. (Heidelberg University, Germany)
Assistant Professor

Synthetic organic and polymer chemistry

Dr. Debaprasad Mandal
Ph.D. (IIT Kanpur)
Assistant Professor

Organic and Organometallics chemistry

Dr. T. J. Dhilip Kumar
Ph.D. (IIT Madras)
Assistant Professor

Electronic Structure Calculations, Chemical Kinetics and Reaction Dynamics

Dr. C. M. Nagaraja
Ph.D. (IISc Bangalore)
Assistant Professor

Inorganic and Molecular Materials Chemistry

Dr. Narinder Singh
Ph.D. (Guru Nanak Dev University, Amritsar)
Assistant Professor & Coordinator

Nano-particles and calix[4] arene and tripodal frameworks for chemo-sensor development

Dr. Prabal Banerjee
Ph.D. (NCL, Pune University)
Assistant Professor

Synthetic organic chemistry

Dr. Rajendra Srivastava
Ph.D. (NCL, Pune University)
Assistant Professor
The design, synthesis and catalytic investigation of functional nanoporous materials a
ionic liquids

Dr. Tharamani C. N.
Ph.D. (Bangalore University)
Assistant Professor

Electrochemistry, fuel cells, nanostructured materials, electrocatalysis, metal finishing.

Dr. Yashveer Singh
Ph.D. (University of Allahabad)
Assistant Professor
Design, development, and evaluation of polymeric biomaterials for drug (anticancer), microbicide (HIV-prevention), and biotherapeutic (protein/siRNA) delivery

Ongoing Activities:

- Teaching to B.Tech. students and Ph.D. students.
- Research work involving the training of Ph.D. students of IIT Ropar, In addition to this department is g training to M. Tech and summer students of other institutes/universities.

Thrust Areas:

- Bio materials, catalysis, Sensors, energy, inorganic & organic synthesis.

LECTURES BY VISITING EXPERTS

Name of the Expert	Topic
Dr. Ashok Kumar Patel Department of Biophysics, John Hopkins University, Baltimore, USA November 1, 2012	Understanding structure of Pyruvate kinase for an effective drug for cancers.
Dr. Ananya Debnath Max Planck Institute for Polymer Research Mainz, Germany October 3, 2012	Multiscale modeling of processes involving biolo macro and long chain molecules.
Dr. V. Ramanathan University of Stuttgart, in the Department of Physics, Germany September 24, 2012	Towards label-free tumour diagnostics using Ra microspectroscopy: Identification of nucleic markers.
Dr. Sudip Chakraborty Colorado State University, Colorado, USA September 12, 2012	Molecular Modeling and Simulation of Comp Systems: From Biology to Materials.
Dr. Mily Bhattacharya DST Women Scientist, IISER Mohali, India August 8, 2012	Conformational Excursions of Proteins Heading Nanoscale Amyloid Assembly.

Dr. Venkatakrishnan, P. University of Alberta, Edmonton, Canada August 1, 2012	Functional Organics via Covalent and Non-Covalent Approaches.
Dr. S. R. C. Vivekchand Northwestern University, Illinois, USA July 9, 2012	Adventures with Nanomaterials and Surface Plasmons.
Dr. Santanu Karan Polymer Materials Unit, National Institute for Materials Science (NIMS), Tsukuba, Japan June18, 2012	Ultrafast Transport of Organic Solvents through Carbon Nanosheet Membranes: Viscous Flow in 1 nm Pore.
Dr. Sounak Roy Catalysis Center for Energy Innovation, University of Delaware, USA May 30, 2012	Efficient catalysts for NOx abatement.
Dr. V. N. Sivanandam University of Notre Dame, Indiana, USA May 16, 2012	NMR Applications to Biomolecular Structure and Dynamics.
Dr. Phaneendrasai Karri The Scripps Research Institute, San Diego, CA, USA May 2, 2012	From Carboxylic Acids to Artificial Nucleic Acids: Molecular Design and Synthesis Towards a Better Understanding of Fundamental Organic and Prebiotic Chemistry.
Dr. Syed Masood Husain, Postdoctoral fellow at the University of Freiburg, Germany January 9, 2013	The role of quinone-hydroquinone tautomers in biosynthesis of natural products.
Dr. Easwar Srinivasan, Department of Chemistry, Central University of Rajasthan February 4, 2013	Rational Design of Onium-tagged Prolines as Organocatalysts for the Asymmetric Aldol Reaction.
Dr. Kalyan K. Sadhu Postdoctoral fellow Institut de Science et d'Ingénierie Supramoléculaires Université de Strasbourg, France March 7, 2013	Development of fluorogenic bio-application based on supramolecular interactions.

INVITED LECTURES BY FACULTY

Name of the faculty member	**Institute visited**
Dr. T. J. Dhilip Kumar	IIT Guwahati, Dec 19-22, 2012 Theoretical Chemistry Conference (TCS12)

VISITS ABROAD BY FACULTY MEMBERS

Dr. Narinder Singh and Dr. Rajendra Srivastava (UNAM Mexico) July 21-30, 2012

DEPARTMENT OF PHYSICS

HEAD OF THE DEPARTMENT: P

Programme offered	:	Ph.D.
No. of Ph.D. Students	:	04
Publications	:	08

Dr. Asoka Biswas
Ph.D. (PRL, Ahmedabad, Gujarat University)
Assistant Professor

Quantum Computing

Prof. P. K. Raina
Ph.D. (IIT Kanpur)
Professor & Head

Nuclear Physics and Astrophysics

Dr. Rakesh Kumar
Ph.D. (IIT Bombay)
Assistant Professor

Experimental Condensed Matter Physics

Dr. Sanjib Shankar Gupta
Ph.D. (Clemson University, USA)
Assistant Professor

Nuclear Physics

Dr. Shubhrangshu Dasgupta
Ph.D. (PRL, Ahmedabad Mohan Lal Sukhadia University)
Assistant Professor

Physical Modeling in Quantum Optics, Nano-Systems, and Decoherence In Physica

Dr. Subhendu Sarkar
Ph.D. (Saha Institute of Nuclear Physics, Kolkata University)
Assistant Professor
Low Energy Ion Beam Physics, Fabrication of Nanostructures on Semiconductor S
Using Ion Beams, and Secondary Ion Mass Spectroscopy

Ongoing Activities

- Teaching & Research

Thrust Areas

- Nuclear Physics and Astrophysics
- Low energy ion beam physics
- Secondary ion mass spectroscopy
- Fabrication of nanostructures on semiconductor surfaces using ion beams
- Physical modeling in quantum optics
- Nano-systems, and decoherence in physical systems
- Experimental Condensed Matter Physics
- Quantum Computing
- Nuclear Physics

Facilities

- Following labs in the Physics Department
- Physics Lab(UG)
- SPM lab
- Optics lab
- High temperature vacuum furnace lab

LECTURES BY VISITING EXPERTS

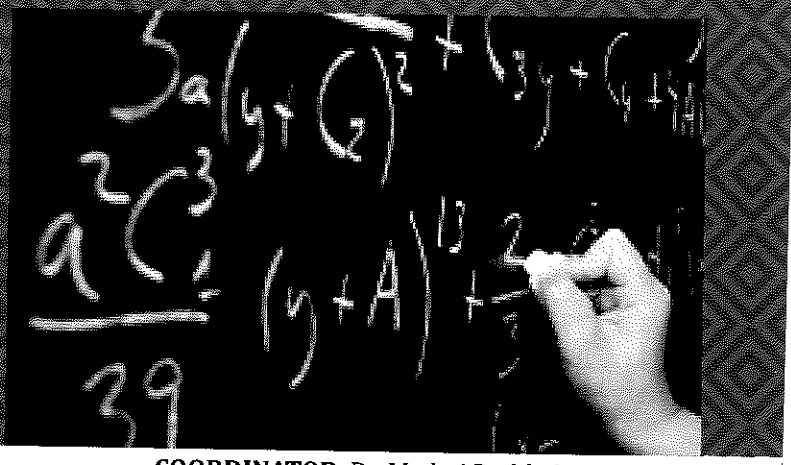
Dr. Swastik Mondal University of Bayreuth, Germany	Unravelling mysteries of boronrich solids through electrondensity analysis March 2013
Dr. Sudhir Kumar Sharma Centre for Nano- Science and Engineering Indian Institute of Science, Bangalore	Implementation of NiTi Shape Memory Materials for Micro-device Applications February 2013
Dr. Pintu Das Institute of Physics, J. W. Goethe University Frankfurt am Main, Germany	Magnetization dynamics in nano/micro-structures using micro-Hall magnetometry January 2013
Dr. Vidhu S. Tiwari Edward University of Ottawa, Ottawa	Hollow core photonic crystal fiber based surface enhanced Raman scattering (SERS) biosensors January 2013
Dr. Kartick Tarafder Lawrence Berkeley National Laboratory, Berkeley	Theoretical Investigation of metalorganic interfaces: An approach from first principles January 2013
Dr. Amar Nath Gupta NINT, University of Alberta, Edmonton	Direct observation of protein folding/ Misfolding using singlemolecule force spectroscopy November 2012

Dr. Harsha Raichur Raman Research Institute C. V. Raman Avenue Sadashivnagar, Bangalore	What can we learn from Neutron star X-ray binarie October 2012
Dr. Amitava Moitra The Pennsylvania State University, University Park	Magnesium Alloy Design: A perspective on multi-s modelling August 2012
Dr. Md. Manirul Ali Research Center for Applied Sciences, Academia Sinica, Taipei, Taiwan	Quantum-bit engineering and some novel quant phenomena August 2012
Dr. Siba Prasad Visva-Bharati University, Santiniketan, West Bengal	Signature of Neutrinos and Higgses at Large Hadr Collider June 2012

INVITED LECTURES BY FACULTY

Name of the faculty member	Institute visited	Topic
Prof. P. K. Raina	Gurukula Kangri Vishwavidyalaya, Haridwar	Inside the Nucleus : Some Fundamental Scientific Discoveries to probe Micro and Macro Cosmos March 2013
Dr. Shubhrangshu Dasgupta	Indian Institute of Science Education and Research (IISER) Kolkata	Highly efficient quantum-do biexciton control for entangled photon generation December 2012

DEPARTMENT OF MATHEMATICS



COORDINATOR: Dr. Madeti Prabhakar

Programme offered : Ph.D.
No. of Students Ph.D. : 10
Publications : 19

Dr. Arvind Kumar Gupta
Ph.D. (IIT Roorkee)
Assistant Professor
Continuum and lattice hydrodynamic modeling, exclusion processes & Driven diffusion systems

Dr. Madeti Prabhakar
Ph.D. (IIT Delhi)
Assistant Professor & Coordinator

Low-dimensional Topology

Dr. Manju Khan
Ph.D. (IIT Delhi)
Assistant Professor

Algebra

Dr. Manoranjan Mishra
Ph.D. (IISc Bangalore)
Assistant Professor

Fluid dynamics, Scientific computing

Dr. Partha Sharathi Dutta
Ph.D. (IIT Kharagpur)
Assistant Professor

Nonlinear Dynamics, Mathematical Biology, Theoretical Ecology

Dr. Subash Chandra Martha
Ph.D. (IIT Guwahati)
Assistant Professor

Fluid dynamics, Mathematical modelling on waterwaves Phenomena, integral equation

Ongoing Activities:

- Teaching & Research

Thrust Areas:

- Algebra
- Fluid dynamics
- Cellular Automata
- Scientific Computing
- Integral equation
- Mathematical modelling of traffic flow
- Low-dimensional Topology
- Mathematical modelling on water waves
- Nonlinear Dynamics
- Mathematical Biology
- Theoretical Ecology

Facilities

- Computing Lab for Research scholars
- Computing lab Facility for UG Courses offered

LECTURES BY VISITING EXPERTS

Name of the Expert	Topic
Dr. Krishnendu Gongopadhyay IISER, Mohali	On the Classification of Unitary Matrices March 2013
Dr. Mahender Singh IISER, Mohali	Free Rank Of Symmetry Of Manifolds October 2012
Dr. A S Vasudeva Murthy TIFR Centre for Applicable Mathematics	On the string equation of Narasimha September 2012
Dr. K. V. Srikanth IIT Guwahati	Intrinsic determinants and differential forms May 2012
Dr. Ritumoni Sarma IIT Delhi	On the equation $x^n = g$ in a finite group May 2012
Dr. Somdeb Lahiri PDPU, Gandhinagar	The Egalitarian Equivalent and Gain Max- School mi Solutions for Package Assignment Problems May 2012
Dr. Sapna Sharma University of Science & Technology of China, Hefei	A talk on Discontinuous Galerkin methods April 2012

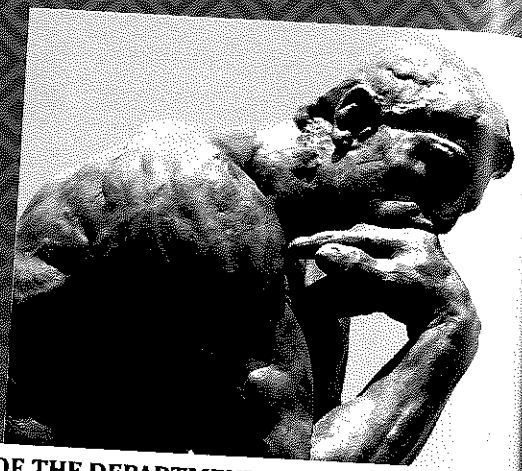
INVITED LECTURES BY FACULTY

Name of the faculty member	Institute visited	Topic
Dr. Arvind Kumar Gupta	Beihang University China	Continuum approach to non- lane- based traffic flow, July 2012
Dr. Manoranjan Mishra	Panjab university, Chandigarh	Modeling of miscible viscous fingering instability, February 2013
Dr. Manoranjan Mishra	IIT Madras, Chennai	Mathematics in Chemical Kinetics and Engineering (MaCKie 2013) February 2013
Dr. Manoranjan Mishra	SMVD University, Katra, India	Modeling of Viscous fingering instability between two miscible fluids March 2013
Dr. Manoranjan Mishra	Berhampur University, Odisha	Mathematical Modeling of a Hydro-dynamical Instability in a Porous media, December 2012
Dr. Madeti Prabhakar	SMVD University, Katra, India	Knot Theory: An Emerging Area of Topology, March 2013
Dr. Madeti Prabhakar	Krakow, Poland	Method of Unknotting Torus Knots and Links, July 2012
Dr. Manju Khan	Bedlewo, Poland	Unit group of group algebra July 2012
Dr. S. C. Martha	SMVD University, Katra, India	Role of Integral Equation in Nonlinear Flow problems, March 2013
Dr. S. C. Martha	Gaya College, Gaya, India	Mathematical Modelling on very large Floating Structures, September 2012
Dr. S. C. Martha	Berhampur University, Berhampur, India	Integral Equation Method applied to Boundary Value Problems, July 2012
Dr. S. C. Martha	Kalinga Institute of Industrial Technology University, Bhubaneswar, India	Integral Equation arising in Fluid Flow Problems, May 2012

VISITS ABROAD BY FACULTY MEMBERS

Name of the faculty member	Institute visited	Topic
Dr. Arvind Kumar Gupta	Beijing, China	Delivered an invited talk International Conference on Engineering And Applied Sciences (ICEAS-12), July 2012
Dr. Madeti Prabhakar	Osaka City University, Japan	KOOK Seminar, February 2013
Dr. Madeti Prabhakar	Krakow, Poland	Delivered an invited talk in the 6ECM Conference, July 2012
Dr. Manoranjan Mishra	Beijing, China	Presented paper in the 23rd International Congress of Theoretical and Applied Mechanics (ICTAM2012) August 2012
Dr. Manju Khan	Bedlewo, Poland	Delivered an invited talk in the Group And their Actions, July 2012
Dr. S. C. Martha	San Diego, California, USA	Participated and Presented a paper in the APS- Division of Fluid Dynamics Meeting, November 2012

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES



HEAD OF THE DEPARTMENT: Dr. Rajyashree Khushu

Programme offered	:	Ph.D.
No. of Students Ph.D.	:	05
Publications	:	16

Dr. Kamal Kumar Choudhary
Ph.D. (University of Leipzig, Germany)
Assistant Professor
Psycho/Neurolinguistics (Language processing, Neurocognition/ Neurosceince of Langu
EEG), Typology, Syntax, Cognitive Science, NLP

Dr. Rajyashree Khushu lahiri
Ph.D. (IIT Kanpur)
Associate Professor & Head
American Studies, Gender Studies, Cultural Studies, Literature- Linguistics Interface,
Postcolonial Studies.

Dr. Rano Ringo
Ph.D. (IIT Roorkee)
Assistant Professor

Gender studies, Postcolonial studies, and Modern fiction

Dr. Samresh Bardhan
Ph.D. (Jadavpur University)
Assistant Professor
Financial Markets, Credit Related Issues, Industrial Finance, Development Economics,
Applied Econometrics.

Dr. Smruti Ranjan Behera
Ph.D. (Delhi School of Economics, Delhi University)
Assistant Professor
Applied Econometrics, Panel Data Econometrics, Industrial Economics, Macroeconomics, a
International Economics

Dr. Somdev Kar
Ph.D. (University of Tübingen, Germany)
Assistant Professor
Phonetics, Computational Phonology, Optimality Theory, Speech Processing, Natural
Language Processing, Morphology

Ongoing Activities

- Teaching UG and PG level courses to B.Tech. and Ph.D. Students respectively
- Research activities

Thrust Areas

- American Studies, Gender Studies, Cultural Studies, Literature- Linguistics Interface, Postcolonial Studies, Phonetics, Computational Phonology, Optimality Theory, Speech Processing, Natural Language Processing, Morphology, Gender Studies, Postcolonial Studies, Modern Fiction, Psycho/Neurolinguistics, Typology, Syntax, Cognitive Science

Facilities

- Language and Linguistics Lab for research and UG teaching.

LECTURES BY VISITING EXPERTS

Name of the Expert	Topic
Prof. B. N. Patnaik, IIT Kanpur (Former Professor)	Arjuna's Problem and its Resolution in two Mahabharatas
Dr. Prema Rajagopalan, IIT Madras	Strategies for the New Knowledge Economy: Towards a Deeper Understanding among Stakeholders.

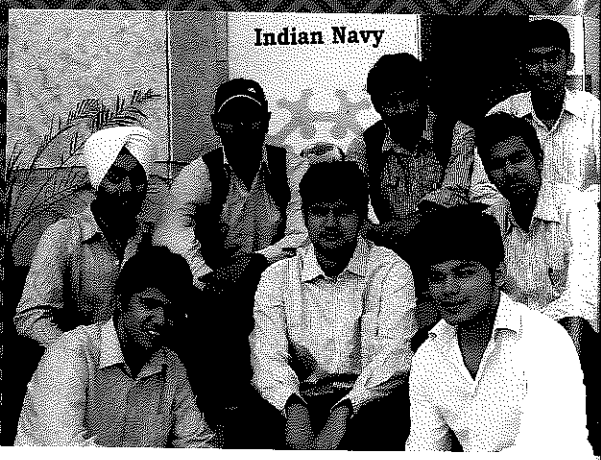
INVITED LECTURES BY FACULTY

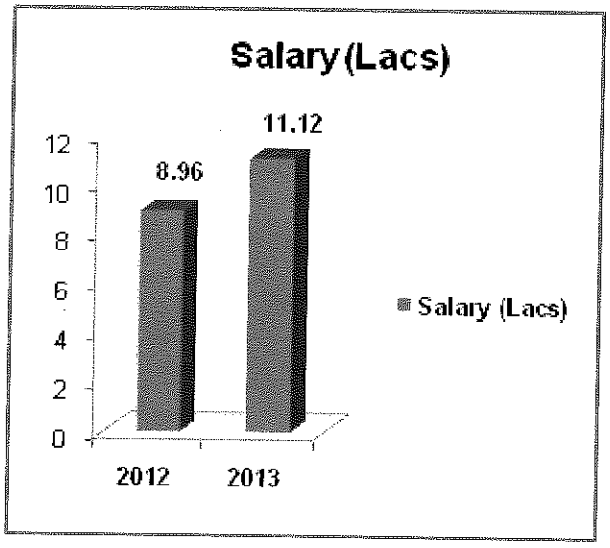
Name of the faculty member	Institute visited
Dr. Rajyashree Khushu-Lahiri	Birla Institute of Technology and Science, Pilani October 2012
Dr. Rajyashree Khushu-Lahiri	Jadavpur University, Kolkata, January 2013
Dr. Rajyashree Khushu-Lahiri	IET, Bhaddal March 2013
Dr. Kamal Kumar Chaudhary	IIT Delhi, March 2013
Dr. Kamal Kumar Chaudhary	IIT Delhi, February 2013
Dr. Kamal Kumar Chaudhary	IIT Bombay,May 2012
Dr. Somdev Kar	Thapar University, Patiala, February 2013

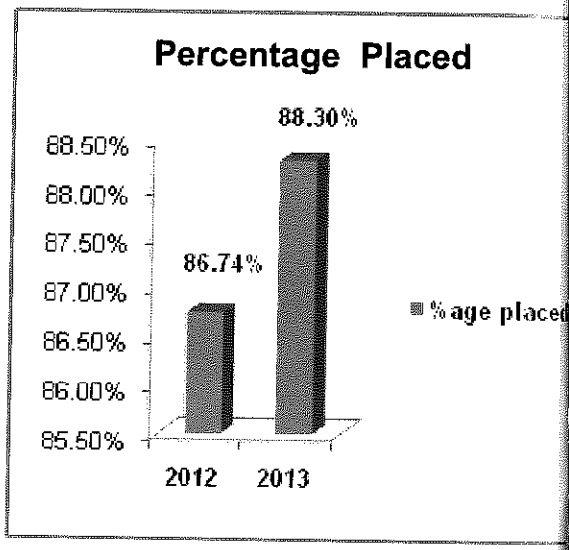
VISITS ABROAD BY FACULTY MEMBERS

Name of the faculty members	Institute visited	Topic
Dr. Rajyashree Khushu Lahiri	University of Illinois at Urban Champaign (UIUC),	**Conference in USA** Attended the conference The Presence of 'America' in India and presented a paper from April 5-8, 2012.
Dr. Somdev Kar	University of Macau, Macau, China	**Workshop in Macau** Was invited to attend XI UNL School, workshop organised by the UNDL Foundation March 11-15, 2013.
Dr. Rano Ringo	Ryerson University, Toronto Canada	**Conference in Canada** RabindraNath Tagore's Treatment of Childhood in his Plays DaakGhar and Achalatayan. Presented at IJAS International Conference for Academic Disciplines, across May 21-24, 2012.

TRAINING & PLACEMENT CELL







Our students shone bright on the horizon of the placements and academics too. The placements rose fr 86.74% to 88.3%. The most important part was the quality of placements. The average salary last year was 8 lpa and this year it was 11.12 lpa.

Our students shone bright on the horizon of the placements and academics & placement.

For the internships too this year a number of students went abroad for internships. Five students went to As University UK:

- Akshat Mittal
- Gurpreet Singh
- Karanpreet Singh
- Ravi Sharma
- Hanit Bansal

Abhisaar Sharma from Computer Science went to Ecole Polytechnique de Montréal, Quebec, Canada.

Deepak Garg & Kaviya Rawat went to Vetterbi School of Engineering, University of South California, USA.

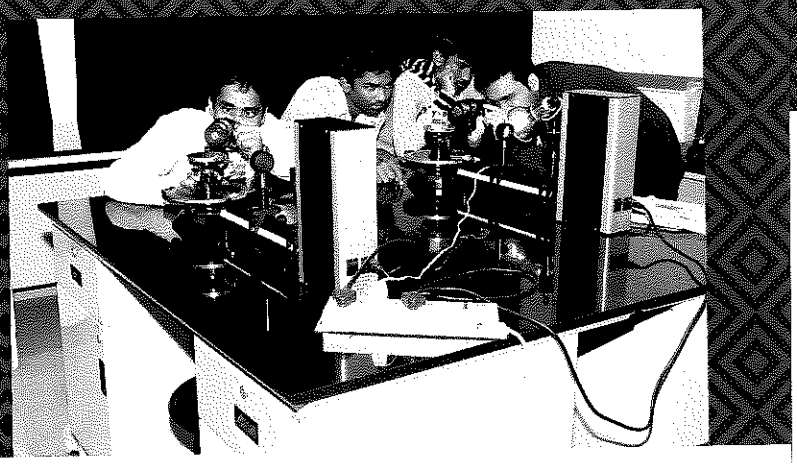
Sanjeev Verma went to National Tsing Hua University, Taiwan.

Gaurav Saini went to Uppsala University Sweden

Ashish Jindal & Somyanshu Arora under the German Academic Exchange Service (DAAD) went to Germany.

Internships this year were qualitatively better than last year. Most of the students had paid internships wi stipends ranging from Rs. 4,000 to 30,000 pm.

RESEARCH PUBLICATIONS



1. Fair D.A., Nigg J.T., Iyer S., Bathula D.R., Mills K.L., Dosenbach N.U., Schlaggar B.L., Mennes M., Gutman D., Bangaru S., Buitelaar J.K., Dickstein D.P., Martino A.D., Kennedy D.N., Kelly C., Luna B., Schweitzer J.B., Velanova K., Wang Y.F., Mostofsky S., Castellanos F.X. and Milham M.P. "Distinct neural signatures detected for ADHD subtypes aftercontrolling for micro-movements in resting state functional connectivity MRI data", Frontiers in Systems Neuroscience (2013).

2. Costa Dias T.G., Wilson V.B., Bathula D.R., Iyer S.P., Mills K.L., Thurlow B.L., Stevens C.A., Musser E.D., Carpenter S.D., Grayson D.S., Mitchell S.H., Nigg J.T. and Fair D.A. "Reward circuit connectivity relates to delay discounting in children with attention hyperactivity disorder", European Neuropsycho-pharmacologydeficit/, Vol. 23(1), pp 33-45 (2013).

3. Fair D.A., Bathula D.R., Nikolas M.A. and Nigg J.T. "Distinct neuropsychological subgroups in typically developing youth inform heterogeneity in children with ADHD" Proceedings of the National Academy of Sciences Vol. 109(17)pp 6769-6774 (2012).

4. Vijay Mahantesh S.M., Iyengar S., Vijesh M., Nayak S. and Shenoy N. "Prediction of Arrival of Nodes in a Scale Free Network". ASONAM: pp 517-521 (2012).

5. Ramesh A., Ramesh S., Iyengar S., Sekhar V. and Pandu Rangan C. "Obstacles Incentivize Human Learning: A Network Theoretic Study." ASONAM pp 1295-1300 (2012).

6. Vijesh M., Iyengar S., Vijay Mahantesh S. M., Ramesh A., Pandu Rangan C. and Madhavan V. " A Navigation Algorithm Inspired by Human Navigation". MASNN pp, 1309-1314, (2012).

7. Venkatesh S., Ramesh A., Shyama U. and Iyengar S."Landmark Identification in Complex Networks". MASNN pp 1335-1340 (2012).

8. Roy S. "Impact of short duration wind variations on output of a pitch angle controlled turbine". IEEE Transactions on Sustainable Energy Vol. 3(3) pp 566-575 (2012).

9. Roy S. "Inclusion of short duration wind variations in economic load dispatch". IEEE Transactions on Sustainable Energy Vol. 3(2) pp 265-273(2012).

10. Sodhi R., Srivastava S.C. and Singh S. N.' "A Simple Scheme for Wide Area Detection of Impending Voltage Instability" IEEE Transactions on Smart Grid Vol. 2(3) pp 818-827 (2012).

11. Mulaveesala R., Panda S.S.B., Mude R.N. and Amarnath M. "Non-destructive evaluation of concrete structures by non-stationary thermal wave imaging" Progress In Electromagnetics Research Letters Vol. 32 pp 39-48 (2012).

12. Ghali V.S. and Mulaveesala R. "Quadratic frequency modulated thermal wave imaging for non- destructive testing" Progress in Electromagnetics Research Vol. 26 pp 11-22 (2012).

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143. Arora H.S., Singh H., Dhindaw B.K. and Grewal H.S. "Improving the Tribological Properties of Mg Based AZ31 alloy Using Friction Stir Processing" accepted for 'Advances in Materials and Processing Challenges and Opportunities (AMPCO 2012) Indian Institute of Technology Roorkee Roorkee India.

144. Grewal H.S., Agarwal A., Singh H. and Arora H.S. "Friction Stir Processing of Mild Steel to Enhance its Surface Hardness" Proc. 'The International Conference on X-Rays and Related Technique in Research & Industry (ICXRI 2012) Universiti Sains Malaysia (USM) Malaysia pp. 79-80.

145. Bala N., Singh H. and Prakash S. "X-Ray Diffraction Study of Cold Sprayed Ni-20Cr and Ni-50Cr Coatings" Proc. 'International Conference on X-Rays & Related Techniques in Research & Industry (ICXRI 2012) Penang Malaysia pp 107-108 (2012).

146. Tiwari A.K. and Prasad J. "Investigating the Role of Shear Strain in Bone Adaptation" International Conference on Design of Biomaterials (BIND-12) Indian Institute of Science (IISc) Bangalore (2012).

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148. Kapoor H., Gupta S. and Singla E. "Optimal Synthesis of Robotic Arm with Degrees Of Freedom as Variable" ASME 2012 Int. Mech. Engg. Congress and Exposition (2012).

149. Singh S., Gupta S. and Singla E. "Design Strategy for Modular Customized Manipulators" ASME 2012 Int. Mech. Engg. Congress and Exposition (2012).

150. Khushu Lahiri R. Performing India in America through Pragma-Cultural Markers "The Presence of "America" in India" presented at international conference at the University of Illinois at Urban-Champaign (UIUC) U.S.A (April 2012).

151. Khushu Lahiri R. "Transforming Language Learning: A Study of Social Networks and Language Change" presented the paper in Third International ELT @ I Rajasthan Conference at Birla Institute of Technology and Science Pilani (Oct 2012).

152. Khushu Lahiri R. "World Literature and Translation: A Comparative Study of Krishna Sobti's Dilo Daanish" presented at the XIth CLAI Biennial International Conference at Jadavpur University Kolkata (Jan 2013).

153. Ringo R. "Rabindranath Tagore's Treatment of Childhood in his Plays Daak Ghar (The Post Office) and Achalatayan (The Immovable Establishment)" Conference of the International Journal of Arts and Sciences Ryerson University Toronto Canada(May 2012).

154. Khushu Lahiri R. Chakravarty U "Interface of Discourse Organisation and Discourse Understanding: Analysing Desai's The Inheritance of Loss" Dialog No.22 pp 46-57 (2012).

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2. Singh N., Kaur N. and Sahoo S. "Quantum Dot Probes Based on EnergyTransfer Mechanisms "John F. Callan Bridgeen McCaughan Colin Fowley Quantum Dot Sensors: Technology and Commercial Applications Pan Stanford Publishing Pte. Ltd. (2013).

3. Nagaraja C.M. "Homochiral Metal-Organic Frameworks (MOFs) for Asymmetric Catalysis "Modern Aspects of Functional Materials" International Journal of Science Research Tumkur University pp.17-28 (2013).

4. Singh Y., Murat P., Spinelli N. and Defrancq E. "Oligonucleotide conjugates: rationale synthesis and applications In: From Nucleic Acid Sequences to Molecular Medicine" (Volker A. Erdmann and Jan Barciszewski Eds.) Springer-Verlag Berlin Heidelberg Germany pp.85-120 (2012).

5. Panda S. and Martha S.C. "Water Wave Scattering by Small Undulation of the Porous Bottom in a Two-layer Fluid Mathematics and Computing": Current Research and Developments Narosa Publishing House Pvt. Ltd. New Delhi India pp. 87-96 (2013).

6. Khushu Lahiri R. & Chakravarty U. "Transforming Language Learning: A Study of Social Networks and Language Learning". Interfacing ELT with Culture and Technology: Directions for New Classrooms Edited by Pushp Lata Devika and Gajendra Chauhan. New Delhi: Jain Brothers pp.99-108 (2012).

7. Khushu Lahiri R. "English in India: An Overview" Language and Society Edited by Gurpreet Kaur. Bhaddal Tech. Publications (2013).

SPONSORED RESEARCH AND INDUSTRIAL CONSULTANCY

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 2012-13 are as follows:-

Sr. No.	Title of Project	Project Investigator	Funding Agency	Total Fund Approved for Project (Rs.)
1	Synthesis and catalytic applications of hierarchical/nano crystalline zeolite catalysts	Dr. Rajendra Srivastava Assistant Professor Dept. of Chemistry	DST	33,51,600
2	Detection of entanglement in many-spin systems by spin-spin correlations	Dr. Ashoka Biswas Assistant Professor Dept. of Physics	DST	11,64,000
3	Surface Engineering to control erosion-corrosion of steam generating plants by nano particle coatings	Dr. Harpreet Singh Assistant Professor SMMEE	DST	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	DST	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	DST	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	DST	15,96,000
7	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	DST	13,46,400
8	Design and synthesis of Quantum dot-based benzimidazole-compled chemosensors	Dr. Narinder Singh Assistant Professor Dept. of Chemistry	DST	7,65,000
9	Duplication based Real-Time scheduling alogrithms for Heterogeneous Multiprocessors	Dr. Nitin Auluck Assistant Professor Dept. of CSE	DST	14,16,000

10	Simulation, NTME Calculation and half life measurement for Double Beta Decay of Sn Nuclei	Prof. P.K. Raina Professor Dept. of Physics	DST	4,50,000
11	Development of Porous chiral metal-organic frameworks for heterogeneous asymmetric catalysis	Dr. C. M. Nagaraja Assistant Professor Dept. of Chemistry	DST	25,80,000
12	Enhancement of Power system monitoring and stability assessment using synchrophasor technology	Dr. Ranjana Sodhi Assistant Professor Dept. of EE	DST	17,36,000
13	Smart phone based real time remote monitoring of cardiac patients from hospital CCU's	Dr. J.S. Sahambi Associate Professor Dept. of EE	DST	32,13,738
14	Energy and coherence dynamics in photo synthetic bacteria	Dr. S. Dasgupta Assistant Professor Dept. of Physics	DST	13,62,322
15	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	CSIR	14,26,000
16	Synthesis and catalytic applications of nanoporous II-conjugated polymer-silica nanocomposite materials	Dr. Rajendra Srivastava Assistant Professor Department of Chemistry	CSIR	16,26,000
17	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	CSIR	17,81,167
18	Computation of Nuclear Transition Matrix Elements for Neutrinoless Double Beta Decay within Deformed Haptree-Fock Model	Prof. P.K. Raina Professor Dept. of Physics	CSIR	16,00,000
19	Development of slurry erosion resistant coating for hydro rurbines	Dr. Harpreet Singh Assistant Professor SMMEE	CSIR	15,22,000
20	Development of Novel Transition Metal Complexes with Pincer-type Ligands for Splitting of water	Dr. C. M. Nagaraja Assistant Professor Dept. of Chemistry	CSIR	19,07,000
21	Development of Magnesium alloy based in-situ nano composites for improved material properties using friction stir processing	Dr. Harpreet Singh Assistant Professor SMMEE	DRDO	14,10,000
22	Hyper Velocity impact induced deformation of the target-projectile system	Dr. Navin Kumar Assistant Professor SMMEE	DRDO	35,97,600

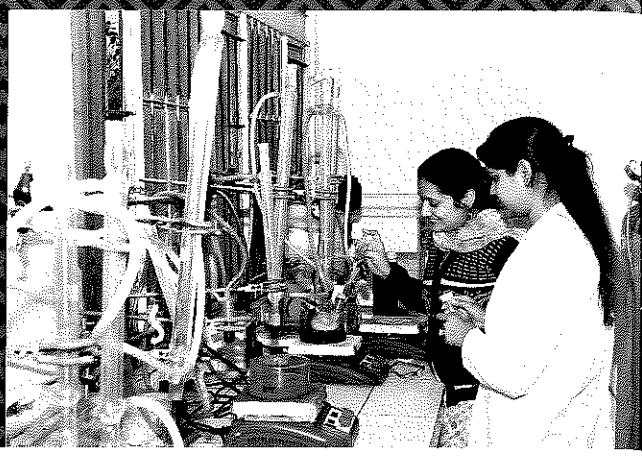
INDUSTRIAL CONSULTANCY

Sr.No.	Title of Project	Project Investigator	Funding Agency	Total Funds (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 Humanities & Social Science	Microsoft Corporation USA and Appen Butler Hill Group, USA	USD $8,750

SPONSORED INITIATIVES AT IIT ROPAR

Sr. No.	Title	Faculty in-charge	Funding Agency	Total Funds (lacs)
1.	Prototype Development and Innovation Fund	Dr. Nitin Auluck Dept. of CSE	Punjab Technical University Jalandhar	Rs. 220
2.	Expansion of Technology Incubation & Development of Entrepreneurs (TIDE)	Dr. Nitin Auluck Dept. of CSE	Dept. of Electronics & Information Technology Innovation & IPR Division, Govt. of India	Rs. 155
3.	Rural Technology Action Group (RuTAG)	Dr. Harpreet Singh SMMEE	Department of Science & Technology, Govt. of India	Rs. 119.98
4.	National Knowledge Network (NKN)	Dr. Ekta Singla SMMEE	National Informatics Centre Inc., Ministry & Information Technology, Govt. of India	Rs. 98.76

FACULTY INITIATION GRANT



IIT Ropar provides faculty initiation grant. The grant is sanctioned to new faculty members for developing his/her research infrastructure for a period of three years and funding for this grant will be met from 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 seed grants for carrying out research projects.

Sr.No.	Title of Project	Project Investigator	Total outlay (Rs.)
1	Research on Pulsed-Electro-Acoustic Method of Measurement of Space Changes in Dielectric Materials	Dr. C. C. Reddy Assistant Professor Electrical Engineering	57,50,000
2	Online Language Comprehension	Dr. Kamal Kumar Choudhary Assistant Professor Humanities and Social Science	59,00,000
3	An Investigation of use of active infrared thermography for non-invasive imaging applications	Dr. Ravibabu Mulaveesala Assistant Professor Electrical Engineering	70,00,000
4	Modeling and Performance Optimization of 3D Chip to Chip Interconnect Pathway	Dr. Rohit Y. Sharma Assistant Professor Electrical Engineering	39,81,111
5	Detection and Prevention of Impending Power System Voltage Instability	Dr. Ranjana Sodhi Assistant Professor Electrical Engineering	9,00,000
6	Development of Porous Metal-Organic Coordination Polymers for H2 Storage and Selective CO2 Adsorption	Dr. Nagaraja Mallaiah Assistant Professor Chemistry	36,00,000
7	Development and characterization of highly active cathode materials for polymer electrolyte membrance fuel cells	Dr. C. N. Tharamani Assistant Professor Chemistry	41,00,000

STUDENT'S ACTIVITIES

Zeitgeist'13

The mega cultural festival of IIT Ropar saw huge participation from colleges across the country. The three day amalgamation of entertainment, excitement and puisance was full of unique events ranging from regional culture, music, dance, art and dramatics to literary. Innaugrating with the regional cultural event of 'Gathka' Zeitgeist scaled new heights, 'The local Train'- The band charged the atmosphere with their electrifying music when they performed at the 'Star event'. Punjabi flavour was given to the festival by a rocking performance by latest punjabi sensation 'Jassi Jasraj'. The festival was concluded by the performance of professional DJ- 'DJ Li'l B' which made Zeitgeist every single breath unforgettable.

Freshers' Night

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

Dandiya Night

On the very occasoion of dussehra, The celebration of the victory of good over evil was enriched with a dandiya night where all the students participated enjoying the event even if they were unaware of the ritual implication.

Deepawali Celebration

With the Examinations reaching at a great pace and unlike other times most of the people not getting a chance to pay visit to their parents, everyone made great contribution with enthusiasm to make the whole campus change clean and glowing with all over lights shining at every wall, diyas glowing at every roof and rangolis drawn.

Lohri Celebration

The celebration of the harvest festival in winter was performed collectively by students and faculty from all corners of India at IIT-Ropar. The dance event followed the religious event associated with the festival.

Holi

In the festival of colours, the festival of feelings, the festival of sharing, the festival of forgiveness all the students just forgot all tensions grudges and enjoyed to the fullest with the family they created at IIT Ropar.

Rashmi (Poetry event)

Continuing the success of our poets, this time Rashmi got a huge participation. It proved a better entertainment and a new inspiration to the emerging ones.

Sadhbhavana Daud

1.5 km long run inside the campus was organized on the Republic Day to promote communal harmony, national integration and peace. Students, Staff members and Faculty members participated in this event with great enthusiasm.

Inter IIT Sports Meet 2012

A group of 95 contingents participated in the 48th inter IIT sports meet held at IIT Roorkee. This year a new girl's team in volleyball also participated. We were at 5th position in march past among all 15 IIT's. Seven days of inter IIT sports meet was nice and peaceful in IIT Roorkee.

Inter Year Sports Tournament 2013

We organized a sports tournament among all the boy's hostels. In every sport each hostel's team participated and trophies were awarded 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 of each team. Next we had auction for all players and formed 5 teams. Like IPL, we played matches among all the teams and the winning team got the trophy.

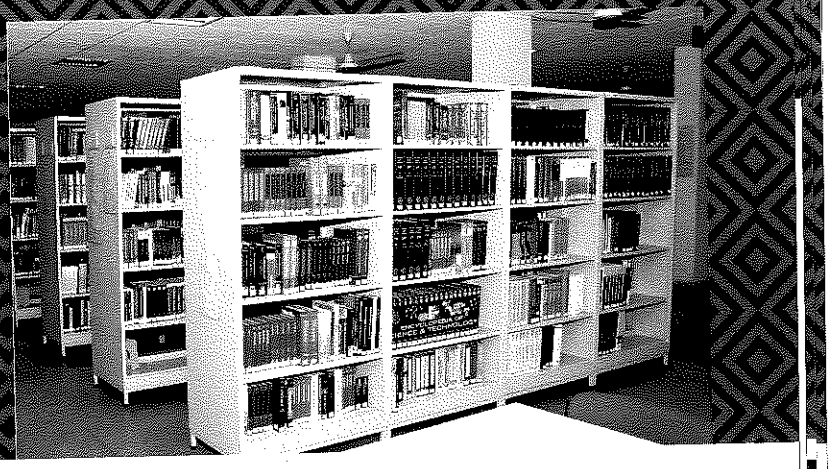
Inter Hostel Football League (IHFL)

IHFL was successfully organized for the second time. 4 teams participated in this League, with the final year (2009 batch) winning the trophy at the end.

Mixed Matches

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

CENTRAL LIBRARY



1. INTRODUCTION

Central Library of IIT Ropar is an invaluable source of information services which plays a vital role in furthering the academic and research mission of Institute by acquiring, processing, preserving and disseminating of knowledge and information resources. The objective of the library is to provide its users the required information resources such as monographs, books, reports, multi-volume reference works, dictionaries, encyclopedias, handbooks, periodicals with the appropriate delivery systems and services in order to support the Institute to achieve excellence in teaching, learning and research and community service.

2. PRINT RESOURCES

Development of collection is one of the important functions of the library which includes books, journals, reports, pamphlets and other reading material in science, engineering, technology, humanities and social sciences. The growing collection which binds the user with the library comprises of various kinds of books viz., textbooks, reference works, dictionaries, handbooks, encyclopedias, reports of research monographs, multi-volume reference works etc. in print. The library currently has a collection of more than 9600 books which include books on Hindi language. Library also having BTB (B.Tech.. Project) reports in print and digital format.

3. ELECTRONIC RESOURCES

The Central Library facilitates online access to thousands of e-journals through direct subscription and participation in consortia, such as INDEST-AICTE. The library also provides online access to citations and scientometric database such as Scopus and MathSci.Net. The library presently provides access to the following publishers' Electronic Resources.

3.1 Full-Text Electronic Journals and Books:

- Access Engineering Library (DEL) - McGraw-Hill's E-Books
- ACLS Humanities E-Books
- ACM Digital Library
- ACS Archive and Current Journals
- AIP Digital Archive and Current Journals
- ANS Journals and Magazines
- Annual Reviews
- APS Journals with PROLA
- ASME Digital Library
- Association for Psychological Science Journals
- ASTM Standards and Digital Library

- Cambridge University Press Selected Journals
- IEL Online (IEEE Xplore Digital Library)
- IMechE Digital Archive and Current Journals
- IOP Science Digital Archive and Selected Current Journals
- JSTOR
- Nature Journals
- Optical Society of America Online
- Oxford University Press Mathematics and Physical Sciences Journals
- Project MUSE
- Royal Society of Chemistry Digital Archive and Current Journal
- Royal Society Proceedings A: Mathematical, Physical and Engineering Sciences
- Sage selected Journals
- ScienceDirect
- Science Online
- SIAM Digital Archive and Current Journals
- Springer Lecture Notes in Physics
- Springer Online Journals
- Taylor & Francis Journals- Science & Technology Library
- Thieme Selected Journals
- Wiley-Blackwell Selected Journals
- World Scientific Selected Mathematics Journals

3.2 Bibliographic Resources

- Scopus (Scientometric database)
- MathSciNet
- ICCC

4. LIBRARY SERVICES

The main function of the library is to provide information services and access to bibliographic and full-text digital and printed sources to support scholarly and information needs of students and research scholars. The library currently provides following services on regular basis:

4.1 Circulation

The library circulation operations are automated using LIBSYS software. During the academic year 2012-13, a total of 9151 documents were issued to all categories of users.

Reference Service

e library has a separate reference section meant for in-house reading with a seating capacity for 120 students. erence queries are responded to immediately by qualified library professionals on one-to-one and through ail.

Library OPAC (Online Public Access Catalogue)

e OPAC is one of the most widely used services of the library and is accessible 24X7 via library web page. The rary facilitates following two types of OPAC services:

3.1 Web-OPAC

e Web-OPAC, besides listing all the documents available in the library, allows on-line status of an individual's count, reservation of desired documents, and current status of a particular book. OPAC is searchable by author, le, publisher, subject and several other fields.

3.2 Union OPAC

ie Union-OPAC of library, in addition to its own database, also provides access to other library databases, such that of other IITs, Research Centers, and WorldCat etc. It has been integrated with Google Web Technology hich covers pages from Google books and offers "my cart" facility to selectors.

4 Digital Library

separate facility of digital library is provided for users in order to access online full-text journals and electronic ooks.

WORKING HOURS

.1 Issue/Return Timings

On weekdays: 09:00 AM - 1:00 PM and 1:45 PM - 5:30 PM (except holidays)

.2 Reference Timings

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

6. LIBRARY AWARDS

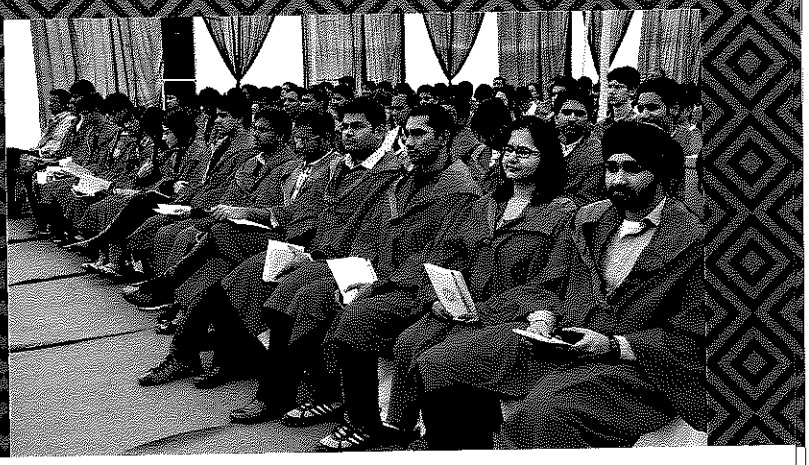
The library was awarded for highest usage of online resources by following publishers:

- Nature Journals: Best new IIT user-INDEST consortia.
- Science Direct: For highest usage among new IIT's.
- Scopus: For highest usage among new IIT's.

BATCH (2009) OF IIT ROPAR

Sr. No.	Computer Science & Engineering	Electrical Engineering	Mechanical Engineering
Placed in India	28	27	22
Placed abroad	4	0	0
Higher studies (India)	4	5	3
Higher studies (Abroad)	0	2	1

EGREE AWARDEES



Ph.D. - School of Mechanical, Materials & Energy Engg. Harpreet Singh

B.Tech.

COMPUTER SCI. & ENGINEERING

No	Entry No.	Student Name
	P2009CS1001	Pravesh Jain
	P2009CS1002	Prateek Mukati
	P2009CS1003	Gupta Chirag Devakinandan
	P2009CS1004	Sachin Gajraj
	P2009CS1005	Rishi Aggarwal
	P2009CS1006	Dhara Singh
	P2009CS1007	Pankaj Verma
	P2009CS1008	Deepak Kumar Sharma
	P2009CS1009	Sumit Nimiwal
0.	P2009CS1011	Kamaldeep Singh Thethi
1.	P2009CS1012	Kapil Kumar
2.	P2009CS1013	Dinesh Kumar
3.	P2009CS1014	Shashank Verma
4.	P2009CS1015	Anuj Jain
5.	P2009CS1016	Santosh Kumar
6.	P2009CS1017	Arink Verma
7.	P2009CS1019	Gaurav Chand Katoch
8.	P2009CS1021	Madhu Rani
9.	P2009CS1022	Vikas Yadav
0.	P2009CS1024	Shikhar Srivastav
1.	P2009CS1027	Shashank Gupta
2.	P2009CS1028	Praneeth Yenugutala
3.	P2009CS1030	Akinapally Praveen
4	P2009CS1033	Arpit Sharma
5.	P2009CS1034	Tania Garg
6.	P2009CS1036	Vikas Mittal
7.	P2009CS1037	Rohit Agarwal
8.	P2009CS1043	Sonu Kumar Giri
9.	P2009CS1068	Ankita
0.	P2009CS1072	Aayush Bahuguna
1.	P2009CS1092	Sumit Bansal
2.	P2009CS1101	Shruti Tripathi
3.	P2009CS1110	Deepak Sachdeva
4.	P2008CS1010	Gaddam Sunil Kumar

ELECTRICAL ENGINEERING

Sr. No.	Entry No.	Student Name
1.	P2009EE1038	Nahar Piyush Anil
2.	P2009EE1039	Kolbudhe Sneha
3.	P2009EE1040	Katkar Shubhankar Milind
4.	P2009EE1041	Madan Lal Bhari
5.	P2009EE1042	Mukul Daga
6.	P2009EE1044	Kuldeep
7.	P2009EE1045	Bhairu Dan Barhath
8.	P2009EE1046	Ankita
9.	P2009EE1047	Ashish Pathak
10.	P2009EE1048	Vikas Lakhanpal
11.	P2009EE1049	Kuldeep Singh
12.	P2009EE1050	Sidhant Duggal
13.	P2009EE1051	Prashant Kumar
14.	P2009EE1053	Arun Singh
15.	P2009EE1055	Ashish Kumar Chowdhary
16.	P2009EE1056	Shivam Rajput
17.	P2009EE1057	Mayank Pratap Singh
18.	P2009EE1058	Asmita Singh
19.	P2009EE1059	Saurabh Agrawal
20.	P2009EE1060	Krishna Hitesh P
21.	P2009EE1061	Vidhatre Venkat Gathey
22.	P2009EE1064	Surla Aravind Kumar
23.	P2009EE1065	Navneet
24.	P2009EE1066	Ankit Bansal
25.	P2009EE1069	Ankush Jain
26.	P2009EE1070	Himanshu Popli
27.	P2009EE1071	Anita Puar
28.	P2009EE1073	Aditya Arora
29.	P2009EE1078	Jasvin Duryodhan Raut
30.	P2009EE1080	Anurag Dadheech
31.	P2009EE1085	Jay Kumar Jain
32.	P2009EE1107	Kunal Goyal
33.	P2009EE1112	Nikant Vohra
34.	P2009EE1116	Anshul Garg
35.	P2009EE1118	Malekar Rutvik Ravindranath
36.	P2008EE1016	Mithlesh
37.	P2008EE1082	Randhir Kumar
38.	P2008EE1087	Vibhav Kaushal

DEGREE AWARDEES

MECHANICAL ENGINEERING

Sr. No.	Entry No.	Student Name
1.	P2009ME1018	Deepak Raj
2.	P2009ME1025	Jyotiraj Thakuria
3.	P2009ME1029	Yashpal Chowki
4.	P2009ME1062	Gayathri Lakshmi Kulukuru
5.	P2009ME1074	Abhishek Ghosh
6.	P2009ME1075	Neeharika Kushwaha
7.	P2009ME1076	Shah Tejas Pradeep
8.	P2009ME1077	Narkhede Shridhar Wasudeo
9.	P2009ME1079	Ajay Kumar Verma
10.	P2009ME1081	Tahir Sheikh
11.	P2009ME1082	Shiv Kumar
12.	P2009ME1084	Vikas Jawaria
13.	P2009ME1086	Aditya Khokhar
14.	P2009ME1088	Lalit Kumar Aggarwal
15.	P2009ME1089	Vivek Dharnia
16.	P2009ME1090	Ajeet
17.	P2009ME1091	Kartikey Grover
18.	P2009ME1093	Akash Deep Badhawan
19.	P2009ME1096	Mudit Verma
20.	P2009ME1097	Ankush Kumar
21.	P2009ME1099	Lal Singh
22.	P2009ME1100	Rajesh Kumar
23.	P2009ME1102	Sashwat Tanay
24.	P2009ME1103	Manish Anand
25.	P2009ME1104	Salibindla Ashwanth K. Reddy
26.	P2009ME1106	Puneet Mahananda
27.	P2009ME1108	Rahul Gulati
28.	P2009ME1109	Harshpreet Singh Bhatia

MEDALS AWARDEES

The **PRESIDENT OF INDIA GOLD MEDAL** for obtaining the highest CGPA amongst the graduating students of the Bachelor of Technology in the year 2012-2013 has been awarded to **RAHUL GULATI** of MECHANICAL ENGINEERING.

The **DIRECTOR GOLD MEDAL** for the best all round performance amongst the graduating students of the Bachelor of Technology in the year 2012-2013 has been awarded to **RAHUL GULATI** of MECHANICAL ENGINEERING.

INSTITUTE SILVER MEDAL for obtaining the highest CGPA amongst the students graduating of the Bachelor of Technology programme in Computer Science & Engineering to **TANIA GARG**.

INSTITUTE SILVER MEDAL for obtaining the highest CGPA amongst the students graduating of the Bachelor of Technology programme in Electrical Engineering to **NIKANT VOHRA**.

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

INDIAN INSTITUTE OF TECHNOLOGY ROPAR
Nangal Road, Rupnagar, Punjab – 140001 (INDIA)
भारतीय प्रौद्योगिकी संस्थान रोपड़
नंगल रोड़, रूपनगर, पंजाब - **140001** (भारत)