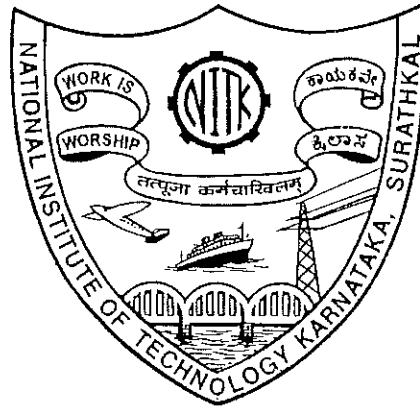


National Institute of Technology Karnataka Surathkal
Mangalore - 575 025, INDIA



ANNUAL REPORT
2013 - 2014

Email: director@nitk.ac.in

Website: www.nitk.ac.in

Tel : 0824-2474000 (24 Lines)
Fax : 0824-2474033

NITK Surathkal – At a Glance

GOVERNANCE

NITK is governed by the Board of Governors, which consists of representatives of the Government of India, Government of Karnataka, Industry, Alumni, and other nominees. The Chairman of the Board is nominated by the Government of India. The Director is the administrative head of the Institute. NITK an “Institute of National Importance, is governed by NIT Act 2007 and statutes laid down by Government of India. Reconstituted Board of Governors is in place since September 2011.

TEAM NITK

14 Departments
231 highly qualified and dedicated faculty
205 committed supporting staff
5172 talented and motivated students

LIST OF DEPARTMENTS

- Applied Mechanics & Hydraulics
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science & Engineering
- Electronics & Communication Engineering
- Electrical & Electronics Engineering
- Humanities Social Sciences & Management
- Information Technology
- Mathematical & Computational Sciences
- Mechanical Engineering
- Metallurgical & Materials Engineering
- Mining Engineering
- Physics

Academic Programs

B.Tech. – 9 disciplines
M.Tech. – 25 Specializations
M.Tech. (Research) – All Specializations
MBA
MCA
M.Sc. (Chemistry)
M.Sc. (Physics)
Ph. D. – offered in all departments

All the Departments of the Institute are recognized QIP centres for admission of teachers of both Engineering colleges and Polytechnics for their post-graduate & doctoral studies.

INTERDISCIPLINARY CENTERS OF EXCELLENCE

Disaster Risk Reduction
Innovation
Material Research
Sustainable Technologies
System Design (Virtual Instrumentation)
Wireless Sensor Networks

ASSOCIATED CENTRES

Centre for Continuing Education, R&D center for - Clay, Roofing Tiles & Ceramic Products, National Technology Manpower Information Systems (NTMS): NODAL Centre, Industry Institute Partnership Cell; NITK Science and Technology Entrepreneurs Park (NITK-STEP), IGNOU study Centre; D.K. NIRMITHI Kendra.

CAMPUS

300 acres of lush green beach-side campus located at Srinivasnagar, Surathkal Mangalore. Departments & facilities on Eastern and Western sides of NH-66 with connectivity through a 2-lane vehicular underpass.

Well connected by rail and road to the rest of country. Flights available to major Indian cities and International destinations.

FACILITIES & SUPPORTS

150 + Classrooms, 140+ laboratories
12 hostel blocks for boys, 5 hostel blocks for girls. Mega Hostel for boys with 1512 single-seater rooms. New Ladies Hostel with 347 single-seater room. Internet connectivity (1Gpbs, 155 Mbps, 6000 nodes) Central computer Center, Central Library, E-Library, On-line access to journals 1200-capacity Auditorium, 1800-capacity Open-air theatre, co-operatives stores, Post office, Banks, ATMs, Health Care Centre with many visiting specialist doctors, Yoga Centre, 3 Campus schools (Kannada & English Medium), Guest House, Food Court and Canteens, International standard Swimming –pool, Sports Grounds for cricket, hockey, football floodlit Courts for Basketball, Volley ball and Tennis, NCC – 2nd Karnataka Engineering Company, Surathkal Innovation Challenge (SIC), Student Internship Programme (SIP).

BUDGET (2013-14)

Total Financial Outlay Rs. 139.88 Crores

Internal Revenue Generated Rs. 28.32 Crores

Consultancy & Testing Earnings Rs. 1.64 Crores

Corpus Fund of more than Rs. 56.93 Crores

PUBLICATIONS (2013-14)

International Journals	–	344
National Journals	–	28
International Conference	–	215
National Conference	–	73

DOCTORAL OUTPUT

2011-12 – 16 Candidates

2012-13 – 33 Candidates

2013-14 - 62 candidates

Doctoral students on rolls –523

MoUs between NITK, Surathkal and other Universities/Organizations.

Moog India Technology Center Pvt. Ltd., 3rd March 2014, 5 Years

Indian Naval Academy, Ezhimala., 26th February 2014, 5 Years

M/s. Insmart Systems, Hyderabad, 24th January 2014, 3 years

Larsen & Toubro Limited (L&T Construction), 4th November 2013, 5 Years

ProSIMR& D Pvt. Ltd., 4th October 2013, 3 Years

Robert Bosch Engineering and Business Solutions Limited (RBEI), Bangalore, 31st August 2013, 5 Years

Indian Institute of Science, Bangalore, 10th June 2013, 5 Years

Mercedes-Benz Research and Development India Private Limited (MBRDI), Bangalore, 10th June 2013, 5 Years

MOUs between Foreign Countries

hepia-University of Applied Sciences Western Switzerland technology, architecture and landscape, 17th December 2013, 3 Years

University of Seville (UoS), Spain, 21st October 2013, 3 Years

AB Volvo Group Sweden, 25th September 2013, 5 Years

List of MoUs between NITK, Surathkal and other Universities/Organizations

Mercedes-Benz Research and Development India

Private Limited (MBRDI), Bangalore and NITK to enable MBRDI employees to enroll for Master and Ph.D. studies under the External Registration Program at NITK- 10th June 2013.

Indian Institute of Science, Bangalore and NITK to engage in academic and research collaboration. – 10th June 2013

Council of Scientific and Industrial Research (CSIR) represented by its National Aerospace Laboratories (NAL) – CSIR-NAL and NITK- 18th January 2013.

Extension of the MOU between NITK and Bhabha Atomic Research Centre (BARC), Mumbai- 30th January 2013

TEQIP

One of the best performing lead institutions with a total financial support of Rs. 1250.00 lakhs in TEQIP II.

DASA

Direct Admission of Students Abroad, a Govt. of India scheme is coordinated by NITK, Surathkal, offering admission to NRIs/PIOs/Foreign Students in more than 40 centrally funded institutions for UG and PG programmes. A completely online process developed and implemented by NITK since the last five years.

EXTRA AND CO-CURRICULAR ACTIVITIES

More than 30 clubs, societies and professional body chapters are active conducting regular activities through elected leaders and representatives. "INCIDENT" and "ENGINEEER" are popular cultural and technical annual festivals. NITK has won the overall championship of Inter NIT Sports consecutively for the last 3 years.

SCHOLARSHIPS & MEDALS

Several well known and prestigious scholarship (25) awards and medals (35) are on offer for students at all levels. This is in addition to all regular scholarships of Govt. of India and Other State Governments. SPARSH and several other scholarship opportunities.

TRAINING AND PLACEMENT

NITK is ranked among the top institutions for student placements. During 2013-14 about

203 companies visited. UG placements 91%, PG placement 39% Internships provided within India and Abroad.

Annual Report 2013-2014

	<i>Contents</i>	<i>Page No.</i>
1.	The Institute	1
2.	Governance & Administration	2
3.	Divisions/Departments	10
4.	Academic Programmes	11
5.	Admission Policies	13
6.	Admissions for 2013-2014	14
7.	Evaluation and Examination	31
8.	Examination Results for 2012-2013	32
9.	Ph.D. Programmes & Doctoral Degrees	36
10.	Human Resources	50
11.	Facilities/Amenities	61
12.	Student Activities	82
13.	Research and Development	84
14.	Events organized	160
15.	Human Resource Development	178
16.	Student Placements	191
17.	Special Initiatives	206
18.	Industry Institute Interaction	212
19.	Significant Achievements	217
20.	Associated Centres	231
21.	Finance and Accounts	235

THE INSTITUTE

1.1 HISTORICAL BACKGROUND

National Institute of Technology Karnataka (NITK) Surathkal, formerly known as Karnataka Regional Engineering College (KREC) Surathkal, was established in the year 1960 at Srinivasnagar, Mangalore, Karnataka State. Sri U. Srinivasa Mallya, a visionary and a philanthropist was instrumental in the establishment of this Institute and hence the campus is named after him as "Srinivasnagar". KREC made a small yet significant beginning with 3 Departments offering BE programs in Civil, Mechanical and Electrical Engineering. Since then KREC grew from strength to strength and set unprecedented records in the field of technical education in the country. Initially the College was affiliated to the University of Mysore but in 1980 the affiliation was transferred to the Mangalore University. With every passing batch of students who went on to conquer unexplored domains in the service of humanity, the stature of KREC grew and the world recognized and applauded. So much so, 'Surathkal' is synonymous with high quality engineering education. In 2002, the Government of India decided to grant full autonomy and accordingly the College was elevated to the status of Deemed University and renamed as the National Institute of Technology Karnataka. Subsequently, the National Institute of Technology Act, 2007 was enacted by the Parliament of India to declare India's National Institutes of Technology as Institutes of National Importance. The Act received the assent of the President of India on 5th June, 2007 and became effective from August 15, 2007. The Institute is governed by the rules and statutes of the NIT Act.

The Institute has established itself as a premier center engaged in imparting quality technological education and providing support to research and development activities. The Institute has a long tradition of research for several decades in both traditional and modern areas of engineering and sciences in all departments. The Institute has been actively involved in applied research in looking at and resolving problems faced by the society in several areas. NITK attracts students from all over the country and abroad. NITK graduates are sought after by top industries/companies and the Institute has been rated as one of the best Institutions in the country with regard to student placements. Many of its alumni occupy coveted positions both in India and abroad and are a source of pride and inspiration to the Institute. NITK is consistently rated among the top engineering and technological institutes in India. Today, the Institute offers nine B. Tech programmes, 27 Post graduate programmes and Doctoral programmes in all its fourteen Departments and is making significant advances in R&D and outreach activities too.

1.2 LOCATION

The Institute is located at Srinivasnagar, Surathkal in the Dakshina Kannada District of Karnataka State, 21 km. North of Mangalore city on either side of NH.66 which cuts across the campus. The campus is well connected by rail, road, air and sea with the rest of the country. The airport is situated at Bajpe, 20 km from Surathkal. The nearest Railway station is Surathkal (3 km.) which is on the Mangalore-Mumbai Konkan Railway route and the nearest sea port is New Mangalore which is 8 km, South of college campus.

1.3 CAMPUS

The campus covers an area of 295 acres in picturesque surroundings with Western Ghats in the East and the West Arabian Sea in the West. The campus is well laid out with roads, electrical installation, water supply, underground drainage etc. The campus being on the seashore, is blessed with clean air and a healthy climate. The National Highway NH 66 separates the campus into Western Side and Eastern Side campus. The Western Side of the campus houses the Departments of E&E, E&C, Computer and Information Technology, Guest Houses, STEP, Yoga centre and pristine beach.

2 GOVERNANCE & ADMINISTRATION

2.1 ADMINISTRATION

NITK is governed by the Board of Governors which consists of representatives of the Government of India, Government of Karnataka, Alumni, Industry and other nominees. The Chairman of the Board is nominated by the Government of India. The Director is the administrative head of the Institute. The functioning of NITK is governed by NIT Act 2007 and Rules laid down by Government of India.

COUNCIL, BOG AND OTHER COMMITTEES

COUNCIL OF NITs

- | | | |
|-----|---|----------|
| 1. | Minister of HRD, Government of India | Chairman |
| 2. | Education Secretary, Ministry of HRD, Government of India | Member |
| 3. | The Chairperson of National Institute of Technology Karnataka, Surathkal | Member |
| 4. | Director of National Institute of Technology Karnataka, Surathkal | Member |
| 5. | Chairman, UGC | Member |
| 6. | Chairman, All India Council for Technical Education | Member |
| 7. | Director, General, Council for Scientific and Industrial Research | Member |
| 8. | Secretary, Department of Bio-Technology, Government of India | Member |
| 9. | Secretary, Department of Atomic Energy, Government of India | Member |
| 10. | Secretary, Department of Information Technology, GOI | Member |
| 11. | Secretary, Department of Space, Government of India | Member |
| 12. | Not less than three but not more than five persons to be nominated by the Visitor, at least one of whom shall be a women, having special knowledge or practical experience in respect of education, industry, science or technology | Member |
| 13. | Three members of Parliament, of whom two shall be chosen by the House of the people and one by the Council of States | Member |
| 14. | Two Secretaries to the State Government, from amongst the ministries or departments of that Government dealing with technical education where the Institutes are located. | Member |
| 15. | Financial Adviser, Ministry of HRD, Government of India | Member |
| 16. | Joint Secretary(Technical)/Additional Secretary(Technical), Department of Higher Education, Ministry of HRD, GOI | Member |

BOARD OF GOVERNORS

- | | | |
|---|--|----------|
| 1 | Sushil Chandra Tripathi,
Former Secretary, Ministry of HRD,
House No: 27, Sector 15- A,
Noida – 201301(Uttar Pradesh) | Chairman |
| 2 | Mudda Kedarnath,
Advisor – Aditya Birla Group,
#17, Shankar Nilaya,
8th Main , 18th Cross,
Upper Palace Orchard,
Sadashivnagar,
Bangalore – 560080 | Member |

- | | | |
|----|---|--------------------------|
| 3 | P.Dayanand Pai,
Managing Director,
Century Building Industries Private Limited,
Palace Road, Bangalore -560 052. | Member |
| 4 | Amita Sharma,
Additional Secretary,
Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education Bureau
Shastri Bhavan, New Delhi – 110 001 | Member |
| 5 | Yogendra Tripathi,
Joint Secretary and Financial Advisor,
Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education Bureau
Shastri Bhavan, New Delhi – 110 001 | Member |
| 6 | Sudha Murty
Chairperson, Infosys Foundation
C/O Infosys Towers,
No. 27, J.P. Nagar, 3rd Phase,
Bannerghatta Main Road,
Bangalore 560 076, Karnataka, India. | Member |
| 7 | Padma Bhushan Prof. (Dr.) B.M.Hegde,
Former Vice- Chancellor, Manipal University,
Manjunath, Pais Hills, Bejai- Mangalore- 575004. | Member |
| 8 | K.N.Lokesh,
Professor,
Dept. of Civil Engineering,
NITK, Surathkal. | Member till
15.8.2013 |
| 9 | Gopal Mugeraya,
Professor, Dept. of Chemical Engineering,
NITK, Surathkal. | Member from
22.8.2013 |
| 10 | Suresh Kumar Y.,
Associate Professor,
Dept. of Mechanical Engineering,
NITK, Surathkal. | Member till
15.8.2013 |
| 11 | Vinay Kumar,
Associate Professor,
Dept. of Computer Science & Engineering,
NITK, Surathkal. | Member from
22.8.2013 |
| 12 | Swapan Bhattacharya,
Director, N.I.T.K. SURATHKAL. | Member |
| 13 | K.Ravindranath
Registrar i/c
N.I.T.K., SURATHKAL | Secretary |

FINANCE COMMITTEE

- | | | |
|---|---|--------------------------|
| 1 | Sushil Chandra Tripathi,
Former Secretary, Ministry of HRD,
House No: 27, Sector 15- A,
Noida – 201301(Uttar Pradesh) | Chairman |
| 2 | Mudda Kedarnath,
Advisor – Aditya Birla Group,
#17, Shankar Nilaya, 8th Main , 18th Cross,
Upper Palace Orchard, Sadashivnagar, Bangalore-560080. | Member |
| 3 | Amita Sharma,
Additional Secretary,
Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education Bureau
Shastri Bhavan, New Delhi – 110 001 | Member |
| 4 | Yogendra Tripathi,
Joint Secretary and Financial Advisor,
Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education Bureau
Shastri Bhavan, New Delhi – 110 001 | Member |
| 5 | K.N.Lokesh,
Professor,
Dept. of Civil Engineering,
NITK, Surathkal. | Member till
15.8.2013 |
| 6 | Gopal Mugeraya,
Professor,
Dept. of Chemical Engineering,
NITK, Surathkal. | Member from
22.8.2013 |
| 7 | Swapan Bhattacharya,
Director,
N.I.T.K. SURATHKAL. | Member |
| 8 | K.Ravindranath
Registrar i/c
N.I.T.K., Surathkal | Member Secretary |

BUILDING AND WORKS COMMITTEE

- | | | |
|----|---|----------|
| 1. | Swapan Bhattacharya
Director,
N.I.T.K., Surathkal,
Post Srinivasnagar-575 025. | Chairman |
| 2. | K Uday,
Principal Chief Architect,
PW, P and IWTD, State PWD
K R Circle, Bangalore – 560 001 | Member |

- | | | |
|----|---|------------------|
| 3. | Lakshman Nandagiri/ M C Narasimhan from 01.02.2014
Dean (P&D),
NITK, Surathkal, Mangalore – 575 025 | Member |
| 4. | Vellaichamy V
Superintending Engineer (Civil), CPWD,
Mysore Central Circle, T Narasipura Road,
Siddarthnagar, Mysore – 570 011 | Member |
| 5. | Kedar Ram
Superintending Engineer (Ele), CPWD
Bangalore Central Electrical Circle,
Kendriya Sadana, Koramangala, Bangalore – 560 034 | Member |
| 6. | K Ravindranath
Registrar, i/c
NITK, Surathkal,
Post Sriinivasnagar,
Mangalore-575 025 | Member Secretary |

OTHER COMMITTEES

SENATE

Swapan Bhattacharya, Ph.D.
K Ravindranath

...
...

Chairman
Secretary

External Members

1. S. Parasuraman, Ph.D.
Director, Tata Institute of Social Sciences
P.O. Box 8313,
Deonar,
Mumbai - 400 088.
2. Prahlada, Ph.D.
Vice Chancellor
Defence Institute of Advanced Technology
Girinagar, Pune – 411 025.
3. V.Shubha, Ph.D.
Scientist, Materials Science Division,
National Aerospace Labs,
PB 1779, Bangalore – 560017.

Internal Members

M.C. Narasimhan	A. Kandaswamy
K. Chandrasekaran	S. Sumam David
Udayakumar R. Y.	M.B. Saidutta
N. Lakshman	Subba Rao
S. G. Mayya	M.K. Nagaraj
A.Mahesha	A. Vittal Hegde
Kiran G.Shirlal	Dwarakish G.S.
A.U. Ravi Shankar	Katta Venkataramana
K.N. Lokesh	R. Shivashankar
K.Swaminathan	D. Venkat Reddy
S. Shrihari	Varghese George
Subhas C.Yaragal	Sitaram Nayak
Vidya Shetty	K.S. Babu Narayan
G. Srinikethan	D.V.R. Murthy
A.Chitharanjan Hegde	Gopal Mugeraya
A.V. Adhikari	A. Nityananda Shetty
B.Ramachandra Bhat	D.Krishna Bhat
M.S. Bhat	Annappa
U.Sripati	Muralidhar Kulkarni
Jora M Gonda	John D'Souza
Shashikantha K	K. Panduranga Vittal
K.B.Kiran	A.H. Sequeira
G. Ram Mohana Reddy	Ananthanarayana V.S.
Keshava Prasad Halemane	Murulidhar N.N.
S.M. Hegde	Robert John D'Souza
Prasad Krishna	Santosh George
P. Mohanan	G.C. Mohan Kumar
H. Suresh Hebbar	T.P. Ashok Babu
Gangadharan K.V.	S.M. Kulkarni

Vijay Desai	Ravikiran Kadoli
K.K.Appu Kuttan	Narendranath S
K. N. Prabhu	Jagannath Nayak
A.O. Surendranathan	K. Rajendra Udupa
V. Rama Sastry	Arun M
M. Govinda Raj	Ch.S.N. Murthy
Kasturi V. Bangera	N.K.Udayashankar
H.D. Shashikala	G. K. Shiva Kumar
G.Umesh	P.G. Mohanan
Akshay B Pattabi- Spl. Invitee	Anusuya Chakari
Sivaranjani J-- Spl. Invitee	

BOARD OF STUDIES (BOS - UG/PG/RESEARCH)

Constitution:

1. Dean (Academic)	Chairman
2. Dean (Faculty Welfare)	Member
3. Dean (Planning & Development)	Member
4. Dean (Students' Welfare)	Member
5. Dean (Research & Consultancy)	Member
6. Dean (Alumni Affairs & Institutional Affairs)	Member
7. H.O.D. of each Department/his nominee	Members
8. BOG member representing the faculty	Member
9. Three member representatives from the premier a) Academic Institutions such as IIT, NIT, IISc. b) IIM, others belonging to Southern region	Member
10. Associate Deans	Members
11. Registrar i/c	Member
12. Dy. Registrar (Academic)	Secretary
13. Assistant Registrars (Academic)	Member

QUARTERS ALLOTMENT COMMITTEE

1. Swapan Bhattacharya, Ph.D., Director from 1.8.2012	President
2. A Kandasamy, Ph.D., from 18.1.2013	Chairman
3. Suresh Kumar Y BOG Member till 19.9.2013	Member
4. Gopal Mugeraya, BOG Member from 25.11.2013	Member
5. Vinay Kumar, BOG Member from 25.11.2013	Member
6. Shashidhar Shetty, RE	Member
7. K Ravindranath, Registrar i/c from 12.11.2012	Member
8. Laxminidhi T	Member
9. K.Ravindranath, Dy. Registrar (Academic)	Member
10. C.Vairavanathan, Programmer	Member
11. H.D. Shashikala, Ph.D.	Member
12. Sunil B M, Ph.D.	Member

INSTITUTE GRIEVANCE COMMITTEE

1. A Nithyananda Shetty, Ph.D., from 30.1.2013	Chairman
2. K.R. Udupa, Ph.D., Professor, Dept. of Met. & Mat. Engg.	Member
3. A.C. Hegde, Ph.D., Asst. Professor, Dept. of Chemistry	Member
N.S.V. Shet, Ph.D., Dept. of E&C Engg.	Member
Pushpalatha, Foreman, Dept. of E&C Engg.	Member
Shashikala D.K., Supdt., Purchase Section	Member

- | | | |
|----|--|-----------------|
| 7. | K. Varija, Ph.D., Asso. Professor, Applied Mechanics | Member |
| 8. | K Ravindranath, Registrar, from 12.11.2012 | special Invitee |
| 9. | Ram Mohan Y, Dy. Registrar (A/cs) | special Invitee |

SECURITY COMMITTEE

- | | | |
|-----|--|--------------------|
| 1. | Dean (Faculty Welfare) | Chairman |
| 2. | Dean Planning & Development | Member |
| 3. | Registrar | Member |
| 4. | Sunil B M, Ph.D., Faculty in charge Estate & Works | Member |
| 5. | Resident Engineer | Member |
| 6. | A.Nithyananda Shetty, Ph.D. | Member |
| 7. | Udaykumar R. Yaragati, Ph.D. | Member |
| 8. | Jagannath Nayak, Ph.D. | Member |
| 9. | Shanthi Tilagam, Ph.D. | Member |
| 10. | Y. Ram Mohan, Dy. Registrar (A/c's) | Member |
| 11. | Yashavanthi, Dept. of E&C | Member |
| 12. | Babu Shetty | Member |
| 13. | President Students' Union | Member |
| 14. | Girls' Representative | Member |
| 15. | Watch & Ward Officer | Member / Secretary |

LIBRARY ADVISORY COMMITTEE

- | | | |
|-----|---------------------------|---|
| 1. | D V R Murthy, Ph.D. | Chairman |
| 2. | Anasuya C Chakari | Secretary |
| 3. | B R Jayalakshmi, Ph.D. | Civil |
| 4. | Amba Shetty, Ph.D. | Applied Mechanics and
Hydraulics |
| 5. | S M Kulkarnai, Ph.D. | Mechanical |
| 6. | K Manjunath Sharma, Ph.D. | Electrical And
Electronics |
| 7. | Ramesh Kini, Ph.D. | Engg.
Electronics And
Communication Engg. |
| 8. | Prasanna B D, Ph.D. | Chemical Engg. |
| 9. | Rijesh M | Metallurgical And
Materials Engg. |
| 10. | Jeny Rajan, Ph.D. | Computer Engg. |
| 11. | Ch. S. N. Murthy, Ph.D. | Mining Engg. |
| 12. | B R Shankar, Ph.D. | MACS Dept. |
| 13. | Partha Prathim Das, Ph.D. | Physics |
| 14. | A V Adhikari, Ph.D. | Chemistry |
| 15. | A H Sequeira, Ph.D. | Humanities |
| 16. | Sowmya Kamath | Information Technology |

SPORTS ADVISORY COMMITTEE

- | | | |
|----|--------------------------|----------|
| 1. | Dean (Students' Welfare) | Chairman |
| 2. | Dean (P & D) | Member |
| 3. | Dean (F.W.) | Member |
| 4. | Dean (Alumni & IA) | Member |
| 5. | Chief Warden | Member |
| 6. | Dy. Registrar (A/cs.) | Member |

7.	Resident Engineer	Member
8.	Nithyananda Shetty	Member
9.	Vijay Desai	Member
10.	K.B.Kiran	Member
11.	Doddamani B.M	Member
12.	Jagannath Nayak	Member
13.	Prasanna B.D	Member
14.	Sam Johnson. P	Member
15.	Hemanth Kumar	Member
16.	Ram Prasad Choudhary	Member
17.	Bijuna Mohan	Member
18.	Kalpana Bhat	Member
19.	Students' Council President	Member
20.	Girls Representatives	Member
21.	R.C. Convener	Members
22.	All Captains	Member-Secretary
23.	Physical Director/Asst. P D	

NITK HEALTH CARE COMMITTEE

1.	A Kandasamy, Ph.D.	Chairman
2.	Dr. Shrimathi B	Secretary
3.	K P Vittal, Ph.D.	Member
4.	G S Dwarkish, Ph.D.	Member
5.	K.B Kiran, Ph.D.	Member
6.	Dr. M L Balabhaskara	Member
7.	Shashikanth K, Ph.D.	Member
8.	K V Gangadharan, Ph.D.	Member
9.	Deputy Registrar A/c	Member
10.	Superintendent A/C II	Member
11.	Yashavanthi	Member
12.	President, Students' Union	Member
13.	Girls Representative	Member

COMPLAINTS COMMITTEE

1.	K Varija, Ph.D. till 15.5.2013 Shanthi Thilagam from 16.5.2013	Chairperson
2.	Pushpalatha	Member
3.	Shashikala D.K.	Member
4.	Secretary/President, Ladies Club, NITK, Surathkal	Member
5.	P Mohanan, Ph.D.	Member
6.	V.R. Sastry, Ph.D.	Member
7.	Hilda Rayappan	Member

3 DIVISIONS & DEPARTMENTS

- I. Division of Civil Engineering Systems
Departments:
- Applied Mechanics & Hydraulics (AM)
 - Civil Engineering (CV)
 - Mining Engineering (MN)
- II. Division of Electrical, Electronics & Computing System
Departments:
- Computer Engineering (CO)
 - Electronics & Communication Engineering (EC)
 - Electrical & Electronics Engineering (EE)
 - Information Technology (IT)
- III. Division of Mechanical & Chemical Systems
Departments:
- Chemical Engineering (CH)
 - Mechanical Engineering (ME)
 - Metallurgical & Materials Engineering (MT)
- IV. Division of Basic Sciences, Humanities, Social Sciences & Management Systems
Departments:
- Chemistry (CY)
 - Humanities, Social Sciences & Management (HU)
 - Mathematical & Computational Sciences (MA)
 - Physics (PH)

4 ACADEMIC PROGRAMMES

4.1 PROGRAMMES OFFERED

I. B.TECH. (Undergraduate Programme) – Eight semesters

- 1 Civil Engineering
- 2 Mechanical Engineering
- 3 Electrical And Electronics Engineering
- 4 Electronics & Communication Engineering
- 5 Chemical Engineering
- 6 Metallurgical & Materials Engineering
- 7 Mining Engineering
- 8 Computer Engineering
- 9 Information Technology

II. M.Tech. (Post Graduate Programme) – Four Semesters

- 1 Structural Engg.
- 2 Geotechnical Engg.
- 3 Environmental Engg.
- 4 Transportation Engg.
- 5 Construction Technology And Management
- 6 Marine Structures
- 7 Water Resources Engineering And Management
- 8 Remote Sensing And Geographic Information Systems
- 9 Manufacturing Engg
- 10 Mechatronics Engg
- 11 Thermal Engg
- 12 Design And Precision Engg
- 13 Power & Energy Systems
- 14 VLSI Design
- 15 Communication Engg
- 16 Chemical Plant Design
- 17 Industrial Pollution Control Engg.
- 18 Industrial Biotechnology
- 19 Computational Mathematics (earlier it was Systems Analysis & Computer Applications)
- 20 Materials Engg
- 21 Process Metallurgy
- 22 Nanotechnology
- 23 Computer Science & Engg
- 24 Computer Science & Engg- Information Security
- 25 Information Technology

III M.Tech. by Research : In all the above M.Tech Programme and in the Department of Mining - M.Tech Research Programme namely Rock Excavation Technology And Management

IV. M.C.A. (Master of Computer Applications)- Six semesters

V. M.B.A. (Master of Business Administration) - Four semesters

VI. M.Sc. in Chemistry – (Four semesters)

VII. M.Sc. in Physics – (Four semesters)

VIII. Ph. D. Programme: Ph.D. Programmes are offered in 14 Departments in various course and interdisciplinary specializations.

4.2 ACADEMIC CALENDAR

Sl. No.	Academic Year	Programmes	Admission Commenced on	Admission closed on
1.	2013-14	B.Tech.	15.7.2013	28.8.2013
2.	2013-14	M.Tech./M.Tech. by Research	08.7.2013	10.09.2013
3.	2013-14	MCA	15.7.2013	31.7.2013
4.	2013-14	M.B.A.	3.5.2013	3.8.2013
5.	2013-14	M.Sc. (Physics & Chemistry)	14.06.2013	2.7.2013
6.	2013-14	Ph.D.	12.7.2013	8.8.2013
	(July Session)			
	January Session	Ph.D.	23.12.2013	13.1.2014

5 ADMISSION POLICIES

5.1 ADMISSION PROCEDURE

B. Tech.:

The Government of India, Department of MHRD issued a uniform admission procedure for all the NITs in the country. Candidates seeking admission to NIT are required to appear for the JEE (Main) conducted by CBSE New Delhi. Seats are filled up as per the merit list prepared on the basis of JEE (Main) Examination and qualifying examination scores. According to All India rank prepared by CBSE New Delhi by giving 40% weightage to class XII and 60% to the performance in JEE (Main), seats will be allotted in the centralized on-line campus counseling through Central Seat Allocation Board (CSAB). The seat allocation done on the basis of 50% Home State Quota (HS) and 50% Other State Quota (OS). These seats are filled on All India ranking Merit Basis (JEE Main). Seats are reserved for candidates belonging to Scheduled Caste, Scheduled Tribes, and Persons with Disabilities (PWD) & Other Backward Classes as per the guidelines issued by the MHRD. In addition to this, 15% over and above the intake is available under the Direct Admission of Students Abroad (DASA) Scheme, and a few seats are reserved for the candidates nominated by the Ministry of External Affairs.

M.Tech - GATE/Scholarship Seats:

On the basis of GATE Score, admissions for scholarship category (GATE) were made in the centralized on-line common Admission Process through Centralized Counseling for M.Tech (CCMT) coordinated by MNIT Jaipur.

After CCMT allotment of seats, the vacant and unfilled seats were filled in Spot admission on 30.07.13 at NITK, Surathkal for the GATE candidates on merit basis.

M.Tech. (Non Scholarship) Seats:

After allotment of the vacant seats to GATE candidates during the spot admissions, then the remaining GATE (Scholarship) vacant seats were allotted to Non-GATE candidates during the spot round admission held on 30.07.13 on the basis of academic performance in qualifying examination/written aptitude test/interview etc. as decided by the DPGC of the concerned department offering the M.Tech., programme.

M.Tech. (Sponsored Seats/Research):

Selection of candidates for admission were made on GATE score or in some of the programmes, selection will be based on at least 70% weightage to GATE score and the remaining 30% weightage to academic performance in qualifying examination or /and written aptitude test or/ and interview etc as decided by the DPGC of the concerned Department offering that programme.

M.C.A.:

Selection of candidates for admissions was made on the basis of NIMCET. Admissions were made through a centralized counseling.

M.B.A.: Selection was based CAT score and performance in the qualifying exam and Interview.

M.Sc (Chemistry & Physics):

Selection was based upon the academic performance in the qualifying degree programme and written aptitude test conducted by the institute.

Ph.D. Programme:

Selection of candidates for admission to Ph.D. Programme was based upon the academic performance in the qualifying examinations, written aptitude test and interviews conducted by the concerned department.

All the students are required to stay in the Institute Hostels, unless permitted to reside outside under special circumstances. Students have to strictly adhere to the rules and regulations of the institute.

6 ADMISSIONS FOR 2013-2014

6.1 The number of candidates admitted are as follows:

I B. Tech.:

1	Admission through JEE (Main) Rank	720
2	G.O.I. Nominee- through Ministry of External Affairs (Education & Welfare)	06
3	DASA Scheme	101
Total		827

II M.Tech./M.Tech. (By Research):

i) M.Tech Programme

The number of candidates admitted to First Year M.Tech. Programmes are

1	With GATE qualifications for scholarship seats	499
2	Non-GATE candidates and sponsored candidates	21
3	Admissions of foreign nationals through ICCR.	01
4	Admission under DASA Scheme	02
5	QIP candidates	04
Total		527

ii) M.Tech. (By Research)

1	GATE qualified with Scholarship	12
2	Non Scholarship	14
Total		26

III MCA:

Selection of candidates for admission to MCA, were made on the basis of rank obtained in NIT MCA Common Entrance Test (NIMCET). Admissions were made through a Centralized counseling conducted by N.I.T. Warangal. A Total 91 candidates admitted were as follows:-

OP	45 + 1 OPPD
OBC	23+1 OBPD
SC	14
ST	07
Total	91

IV M.B.A.:

Selection of candidates were made on the basis of CAT 2012 among candidates applied to NITK Surathkal, Group Discussion and Interview. A Total 34 candidates were admitted as follows:-

OP	28
OBC	03
SC	02
ST	01
Total	34

V M.Sc (Chemistry & Physics):

Selection were made on the basis of academic performance in the qualifying exam and written aptitude test conducted at NITK Surathkal. Following are the admission details:

i) M.Sc (Chemistry)

OP	13
OBC	07
SC	--
ST	02
Total	22

ii) M.Sc (Physics)

OP	13
OBC	07
SC	02
ST	--
Total	22

VI Ph.D. Programme:

OP	50
OBC	27
SC	12
ST	02 15
QIP	02
Sponsored	01
Internal Registrant	02
Ethiopian Govt Sponsored	02
Total	98

Part Time

OP	15
OBC	02
Total	17

A total number of 827 candidates have been admitted to the First Year B.Tech. Programmes according to the guidelines, instructions issued by the MHRD.

The PG & Ph.D. admissions have been made according to the Rules and Regulations issued by the Senate of the Institute

6.2 B.Tech. Students Strength for the year 2013-14

Branch (1 Year)	SC			ST			OBC			DASA			GOI			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
	Civil Engg	14	1	15	6	1	7	18	5	23	8	6	14	1	0	1	36	7	43	83	20
Mechanical Engg.	19	1	20	9	0	9	37	1	38	19	0	19	1	0	1	66	2	68	151	4	155
Electrical & Electronics Engg.	14	0	14	4	2	6	22	3	25	9	4	13	0	1	1	31	13	44	80	23	103
Electronics & Communication Engg.	12	2	14	5	2	7	20	5	25	12	3	15	1	1	2	35	9	44	85	22	107
Chemical Engg.	6	1	7	3	0	3	9	3	12	4	4	8	0	0	0	18	4	22	40	12	52
Metallurgical & Materials Engg.	6	0	6	3	1	4	7	5	12	0	1	1	0	0	0	19	3	22	35	10	45
Mining Engg.	7	0	7	4	0	4	11	0	11	0	0	0	0	0	0	20	1	21	42	1	43
Computer Engg.	11	2	13	7	0	7	20	4	24	10	5	15	0	1	1	32	13	45	80	25	105
Information Technology	5	9	14	5	1	6	21	6	27	6	5	11	0	0	0	27	15	42	64	36	100
TOTAL	94	16	110	46	7	53	165	32	197	68	28	96	3	3	6	284	67	351	660	153	813

Branch (II Year)	SC			ST			OBC			DASA			GOI			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
	Civil Engg	10	2	12	5	2	7	22	3	25	8	5	13	1	0	1	37	5	42	83	17
Mechanical Engg.	16	1	17	8	1	9	37	1	38	13	1	14	2	0	2	70	3	73	146	7	153
Electrical & Electronics Engg.	12	2	14	5	1	6	24	2	26	11	0	11	1	1	2	35	12	47	88	18	106
Electronics & Communication Engg.	10	4	14	5	2	7	25	0	25	13	1	14	0	1	1	43	3	46	96	11	107
Chemical Engg.	3	3	6	3	1	4	11	1	12	5	2	7	0	0	0	18	5	23	40	12	52
Metallurgical & Materials Engg.	7	0	7	4	0	4	10	1	11	0	0	0	0	0	0	14	5	19	35	6	41
Mining Engg.	6	1	7	3	0	3	11	1	12	0	0	0	0	0	0	18	1	19	38	3	41
Computer Engg.	11	3	14	6	1	7	19	6	25	10	3	13	0	2	2	39	6	45	85	21	106
Information Technology	13	1	14	6	1	7	24	3	27	5	4	9	0	0	0	34	12	46	82	21	103
TOTAL	88	17	105	45	9	54	183	18	201	65	16	81	4	4	8	308	52	360	693	116	809

M. Tech. Students Strength for the year 2013-14

Branch (1 Year)	SC			ST			OBC			ICCR			QIP			DASA			Sponsored			GENERAL			TOTAL								
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To			
Structural Engg.	4	0	4	2	0	2	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	11	1	12	22	4	26
Geo-Technical Engg.	1	1	2	1	0	1	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	4	6	7	7	14
Environmental Engg.	2	2	4	1	0	1	4	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	3	13	17	8	25
Transportation Systems Engg.	3	0	3	1	1	2	3	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	5	13	15	10	25
Construction Tech. & Mgt.	4	0	4	1	0	1	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	12	1	13	25	1	26
Marine Structures	4	0	4	1	0	1	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	11	1	12	24	1	25
Water Resources Engg. & Management	1	1	2	1	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6	6	6	12
Remote Sensing & GIS	1	0	1	0	0	0	4	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5	12	12	8	20
Thermal Engg.	2	0	2	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	7	0	7	15	1	16
Mechatronics Engg.	3	0	3	1	0	1	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	23	2	25
Manufacturing Engg.	2	0	2	1	0	1	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	7	0	7	14	1	15
Design and Precision Engg.	1	0	1	1	0	1	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	7	0	7	13	0	13
Power & Energy Systems	2	2	4	1	0	1	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	2	13	20	4	24
VLSI Design	4	0	4	2	0	2	5	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	10	20	2	22
Communication Engg.	3	1	4	2	0	2	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1	11	20	5	25
Chemical Plant Design	1	0	1	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	4	3	7
Industrial Pollution Control	1	0	1	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	14	7	12	19
Industrial Biotechnology	0	1	1	0	0	0	3	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	12	5	15	20
Process Metallurgy	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7	9	0	9
Materials Engg.	4	1	5	1	0	1	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	14	23	2	25
Nanoscience & Nanotechnology	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8	10	0	10
Computer Science & Engg.	4	0	4	2	0	2	5	1	6	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5	12	19	6	25
Computer Science & Engg. - Information Security	3	0	3	2	0	2	6	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	3	11	19	4	23
Comp. Sciences (earlier it was Systems Analysis & Computer Applications)	4	0	4	1	1	2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	4	14	19	6	25
Information Technology	3	1	4	1	0	1	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	3	9	15	6	21
TOTAL	58	10	68	23	2	25	100	30	130	1	0	1	3	1	4	1	1	2	4	3	7	193	67	260	383	114	497						

M.Tech. Branch (H Year)	SC			ST			OBC			ICCR			HTA-TEQIP			QIP			DASA			Sponsored			GENERAL			TOTAL								
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To			
Structural Engg.	4	0	4	2	0	2	6	1	7	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2	12	24	3	27
Geo-Technical Engg.	0	2	2	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	7	5	7	12
Environmental Engg.	2	2	4	1	1	2	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	11	11	10	21
Transportation Systems Engg.	3	0	3	1	0	1	1	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	12	12	10	22
Construction Technology & Mgt.	4	0	4	1	0	1	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	10	2	12	21	4	25
Marine Structures	3	1	4	0	0	0	3	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	3	9	12	7	19
Water Resources Engg. & Management	2	0	2	0	0	0	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6	7	6	13
Remote Sensing & GIS	1	0	1	1	0	1	2	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5	8	5	13
Thermal Engg.	2	0	2	1	0	1	3	0	3	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6	14	0	14
Mechatronics Engg.	3	0	3	1	1	2	5	2	7	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	10	0	10	21	3	24
Manufacturing Engg.	1	1	2	1	0	1	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7	13	1	14			
Power & Energy Systems	3	1	4	2	0	2	4	0	4	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	7	5	12	17	7	24			
VLSI Design	4	0	4	2	0	2	6	0	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1	13	26	1	27
Communication Engg.	3	1	4	1	1	2	6	0	6	0	0	0	1	2	3	1	1	2	1	0	1	0	0	0	1	0	1	0	0	0	9	3	12	23	8	31
Chemical Plant Design	1	1	2	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	5	3	8
Industrial Pollution Control	2	1	3	0	0	0	6	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	12	14	9	23
Industrial Biotechnology	2	1	3	0	0	0	4	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12	10	13	23
Process Metallurgy	2	0	2	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	7	11	1	12
Materials Engg.	4	0	4	0	0	0	7	0	7	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	12	24	0	24
Nanoscience & Nanotechnology	1	0	1	1	0	1	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5	9	2	11
Computer Science & Engg.	4	0	4	1	1	2	3	2	5	0	0	0	2	0	2	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	11	2	13	24	5	29
Comp. Science & Engg. Information Security	3	1	4	1	1	2	6	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	3	14	21	6	27
Comp. Sciences (earlier it was Systems Analysis & Computer Applications)	2	1	3	1	0	1	5	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2	12	18	5	23
Information Technology	2	2	4	2	0	2	5	2	7	0	0	0	1	1	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	10	2	12	20	7	27
TOTAL	58	15	73	20	5	25	94	35	129	1	0	1	10	5	15	6	3	9	2	0	2	3	0	3	176	60	236	370	123	493						

M.Tech. By Research

Branch	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
Structural Engg.	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Transportation Systems Engg.	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Marine Structures	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Water Resources Engg. & Management	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
Remote Sensing & GIS	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Thermal Engg.	1	0	1	0	0	0	0	0	0	3	0	3	4	0	4
Mechatronics Engg.	0	0	0	0	0	0	0	0	0	4	2	6	4	2	6
Manufacturing Engg.	0	0	0	0	0	0	1	0	1	3	0	3	4	0	4
Design and Precision Engg.	0	0	0	0	0	0	1	0	1	1	0	1	2	0	2
Power & Energy Systems	0	0	0	0	0	0	0	0	0	3	1	4	3	1	4
VLSI Design	0	0	0	0	0	0	0	0	0	4	0	4	4	0	4
Communication Engg.	0	0	0	0	0	0	0	0	0	2	2	4	2	2	4
Chemical Plant Design	0	0	0	0	0	0	0	0	0	3	2	5	3	2	5
Industrial Pollution Control	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Industrial Biotechnology	0	1	1	0	1	1	1	0	1	0	5	5	1	7	8
Materials Engg.	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
Nanoscience & Nanotechnology	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
Rock Excavation Technology & Mgt.	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
Computer Science & Engg	0	1	1	0	0	0	0	1	1	0	2	2	0	4	4
Computer Science & Engg. - Information Security	0	0	0	0	0	0	0	0	0	2	1	3	2	1	3
Information Technology	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
TOTAL	1	2	3	0	1	1	4	1	5	32	21	53	37	25	62

MCA

	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I Year	11	3	14	4	3	7	22	1	23	38	8	46	75	15	90
II YEAR	10	4	14	4	1	5	21	5	26	26	14	40	61	24	85
III YEAR	9	4	13	4	3	7	19	2	21	35	14	49	67	23	90
TOTAL	30	11	41	12	7	19	62	8	70	99	36	135	203	62	265

MBA

	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	3	1	4	1	0	1	5	2	7	13	6	19	22	9	31
II YEAR	6	2	8	1	1	2	5	0	5	23	5	28	35	8	43
TOTAL	9	3	12	2	1	3	10	2	12	36	11	47	57	17	74

M.Sc. (Chemistry)

	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	0	0	0	1	1	2	0	5	5	2	10	12	3	16	19
II YEAR	0	0	0	0	0	0	4	3	7	5	7	12	9	10	19
TOTAL	0	0	0	1	1	2	4	8	12	7	17	24	12	26	38

M.Sc. (Physics)

	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	2	0	2	0	0	0	4	3	7	4	8	12	10	11	21
II YEAR	2	1	3	0	2	2	1	5	6	5	7	12	8	15	23
TOTAL	4	1	5	0	2	2	5	8	13	9	15	24	18	26	44

Ph.D. Students Strength for the year 2013-14

Branch	SC			ST			OBC			QIP			ICCR			TEQIP			Sponsored			GENERAL			TOTAL					
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T			
Civil	2	0	2	1	0	1	2	1	3	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
App. Mechanics	3	0	3	0	0	0	0	0	0	1	0	1	2	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0		
Mechanical	8	0	8	1	0	1	7	2	9	4	0	4	0	0	0	1	0	1	1	0	1	1	0	1	59	3	62	81	5	86
E&E	5	0	5	1	0	1	3	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	18	2	20	28	2	30
E&C	0	0	0	1	0	1	2	0	2	1	1	2	1	0	1	0	1	0	1	0	1	0	0	0	13	6	19	19	7	26
Chemical	1	3	4	0	0	0	1	1	2	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	10	15	25	14	20	34
Metallurgy	2	0	2	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	5	28	28	5	33
Mining	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	11	0	11	14	0	14
Computer	1	1	2	0	1	1	0	1	1	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	11	3	14	14	7	21
Information Technology	2	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	11	9	5	14
Physics	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	8	30	26	8	34
Chemistry	1	0	1	2	0	2	3	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	9	27	24	13	37
MACS	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	20	12	11	23
Humanities	0	3	3	1	0	1	2	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9	6	15	13	9	22
Total	28	7	35	8	1	9	28	9	37	17	3	20	3	0	3	2	2	4	1	1	2	258	97	355	345	120	465			

6.3 ADMISSION STATISTICS

Undergraduate Programmes – B.Tech.

Particulars of sanctioned intake and admissions made during 2013-14

Sl. No.	Courses offered	Sanctioned intake			Total	Admissions made to Undergraduate Programmes						Total Admission	
		Normal Intake	G.O.I. Nominees*	D.A.S.A. (Direct Admission of Students Abroad)		Normal Intake				G.O.I. Nominees*	D.A.S.A. (Direct Admission of Students Abroad)		
						SC	ST	OBC	PWD				OP
1	Civil Engineering	92	3	16	111	14	7	22	3OP IOBC	41	1	14	103
2	Mechanical Engineering	139	3	22	164	18	9	38	2OP 2SC	67	1	21	158
3	Electrical & Electronics Engg.	93	4	14	111	14	6	26	IOP	43	1	14	105
4	Electronics & Communication Engg.	93	3	16	112	14	7	24	IOBC	45	2	16	109
5	Chemical Engg.	46	2	8	56	7	4	11	IOBC	23	-	8	54
6	Metallurgical & Materials Engg.	46	-	3	49	7	4	12	-	22	-	1	46
7	Mining Engg.	46	-	3	49	7	4	11	-	22	-	-	44
8	Computer Engg.	92	2	16	110	13	7	23	2OP IOBC	43	1	16	106
9	Information Technology	93	-	13	106	13	6	26	2OP IOBC ISC	42	-	11	102
TOTAL		740	17	111	868	107	54	193	18	348	6	101	827

* For the candidates nominated by Ministry of External Affairs (Education) – for Foreign students and Ministry of External Affairs (Welfare) for wards of Govt. employees posted in Indian Missions abroad.

ADMISSION STATISTICS – B.Tech. 2013-14
Details of Male & Female admissions – coursewise and categorywise

Sl. No.	Programme	OP		OBC		SC		ST		GOI Nominee		DASA (Direct Admission of Students Abroad)		Total		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
1	Civil Engg.	34+3PD	7	17+1PD	5	13	1	6	1	1	-	08	06	83	20	103
2	Mechanical Engg.	65+2PD	2	37	1	17+2PD	1	9	-	1	-	21	-	154	04	158
3	Electrical & Electronics Engg.	31	12+1PD	23	3	14	-	4	2	-	1	09	05	81	24	105
4	Electronics & Communications Engg.	36	9	20	4+1PD	12	2	5	2	1	1	13	03	87	22	109
5	Chemical Engg.	19	4	9	2+1PD	6	1	4	-	-	-	04	04	42	12	54
6	Metallurgical & Materials Engg.	19	3	7	5	7	-	3	1	-	-	-	01	36	10	46
7	Mining Engg.	21	1	11	-	7	-	4	-	-	-	-	-	43	01	44
8	Computer Engg.	31+1PD	12+1PD	19+1PD	4	11	2	7	-	-	1	11	05	81	25	106
9	Information Technology	26+2PD	16	20+1PD	6	4+1PD	9	5	1	-	-	06	05	65	37	102
	Total	282+8PD	66+2PD	163+3PD	30+2PD	91+3PD	16	47	7	3	3	72	29	672	155	827

PD: Persons with disability

ADMISSION STATISTICS - POST GRADUATE PROGRAMMES**M.Tech. Programme - Particulars of Intake and Admissions during 2013-14**

Sl. No.	Name of the Programme	Intake	Admitted				Out of the total admissions - candidates belonging to													
			Gate (scholarship seats)	Non-Gate & sponsored + QIP seats + DASA + ICCR	Total			SC			ST			OBC			PWD			
					M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	
1.	Structural Engg.	27+1*	25	1 (Sponsored)	22	4	4	26	4	-	-	2	2	-	5	2+	ISP	-	-	-
2.	Geotechnical Engg.	15+1**+1*	13	1 (Sponsored)	7	7	14	1	1	1	1	1	1	2+1 (Sp)	2	2	-	-	-	
3.	Environmental Engg.	27+1*	26	-	18	8	26	2	2	2	4	3	-	-	-	-	-	-	-	
4.	Transportation Engg.	27+1*	25	-	15	10	25	3	-	1	3	4	1	1	3	4	-	-	-	
5.	Construction Technology & Management	27+1*	25	1 (Sponsored)	25	1	26	4	-	1	7	-	1	-	-	-	-	-	-	
6.	Marine Structures	27+1**+1*	24	1 (Sponsored)	24	1	25	4	-	1	7+1SP	-	1	-	-	-	-	-	-	
7.	Water Resources Engineering & Management	15+1*	13	-	6	7	13	1	1	1	1	2	1	-	1	2	-	-		
8.	Remote Sensing & Geographic Information Systems	27+1**+1*	18	2 (Non-Gate)	12	8	20	1	-	-	4	3	-	-	-	-	-	-	-	
9.	Design and Precision Engg.	15+1*	14	1 (Sponsored)	15	-	15	2+1 (Sp)	-	1	4	-	1	-	4	-	-	-	-	
10.	Manufacturing Engg.	15+1*	14	1 (Sponsored)	14	1	15	2	-	1	3	1	1	-	3	1	-	-		
11.	Mechatronics Engg.	27+1*	23	1 Sponsored + IQIP (Regular)	23	2	25	3	-	1	6	-	1	-	6	-	-	1	(OC)	
12.	Thermal Engineering	15+1**+1*	14	1 (Sponsored) + 1 (DASA) + 1 (QIP (Poly))	16	1	17	2	-	1+1 QIP	4	-	-	-	4	-	-	-	-	
13.	Power & Energy Systems	27+1*	26	-	21	5	26	2	2	1	6	-	1	1	6	-	-	1 (OB)	-	
14.	VLSI Design	27+1**+1*	24	-	21	3	24	4	-	2	5	1	2	-	5	1	-	-	-	
15.	Communication Engg.	27+1**+1*	26	1 DASA	22	5	27	3	1	2	5	2	2	-	5	2	1 (OC)	-	-	
16.	Chemical Plant Design	15+1*	8	1 (Non-Gate)	6	3	9	1	-	-	1	1	-	-	1	1	-	-	-	
17.	Industrial Pollution Control Engg.	27+1*	18	1 (Non-Gate)	7	12	19	1	-	-	3	1	-	-	3	1	-	-	-	
18.	Industrial Biotechnology	27+1*	21	-	5	16	21	-	2	-	3	4	-	-	3	4	-	-	-	

Sl. No.	Name of the Programme	Intake	Gate (scholarship seats)	Admitted	Out of the total admissions - candidates belonging to											
					Non-Gate & sponsored + QIP seats + DASA + ICCR	Total			SC		ST		OBC		PWD	
						Gate	M	F	Total	M	F	M	F	M	F	M
19.	Computational Mathematics (earlier it was Systems Analysis & Computer Applications))	27+1*	23	3 (Non-Gate) + 2 QIP (Regular)	22	6	28	4	-	1	1	4	-	1(OC)	-	
20.	Materials Engg.	27+1*	23	3 (Non-Gate)	24	2	26	4	1	1	-	5	-	-	-	
21.	Process Metallurgy	15+1** +1*	8	1 (Non-Gate)	9	-	9	-	-	-	-	2	-	-	-	
22.	Nanotechnology	15+1*	11	1 (Non-Gate)	11	1	12	1	-	-	-	1	-	-	1(OC)	
23.	Computer Science & Engg.	27+1** +1*	26	1 (ICCR)	21	6	27	4	-	2	-	5	1	1(OB)	-	
24.	Computer Science & Engg. - Information Security	27+1*	25	1 (Non-Gate)	21	5	26	4	-	2	-	6	1	1(OC)	-	
25.	Information Technology	27+1*	26	-	20	6	26	3	1	2	-	5	2	-	1(OC)	
	TOTAL	579+8** +25**= 612	499	13 (Non-Gate) + 8 Sponsored +1 GOI (ICCR) + 4 QIP +2 DASA = 28	407	120	527	61	11	27	3	103	31	5	3	

** Sanctioned seats for DASA candidates.

The above intake of M.Tech. excluding the intake of QIP allotted by AICTE

PWD: Persons With Disabilities.

* Additional seats reserved for the international students under I.C.C.R. Scheme.

M.TECH. PROGRAMME (BY RESEARCH) 2013-14

Sl. No.	Name of the Programme	No. of candidates admitted		Total number of candidates admitted		
		Gate Scholarship Seat	Non-Scholarship Seat	Male	Female	Total
1	Structural Engg.	-	1OC(IR-Project)	-	1	1
2	Transportation Engg.	1 (OC)	-	1	-	1
3	Marine Structures	-	1(OC)	-	1	1
4	Remote Sensing & Geographics Information Systems	-	1(OC)	1	-	1
5	Thermal Engg.	1(OC)	1SC(IR)	2	-	2
6	Manufacturing Engg.	-	2(1OBC+1OC-ER)	2	-	2
7	Mechatronics Engg.	1(OC)	1 OC(ER)	1	1	2
8	Design & Precision Engg.	1 (OBC)	1(OC)	2	-	2
9	VLSI Design	1(OC)	1(OC(ER))	2	-	2
10	Communication Engg.	1(OC)	-	-	1	1
11	Chemical Plant Design	1(OC)	1(OC)	-	2	2
12	Industrial Pollution Control Engg.	-	1 OC(IR)	-	1	1
13	Industrial Biotechnology	1(OBC)	-	1	-	1
14	Materials Engg.	-	1(OBC)	1	-	1
15	Nanotechnology	-	1(OC)	-	1	1
16	Power & Energy Systems	1(OC)	-	1	-	1
17	Computer Science & Engg.	2 (1OC+1OBC)	-	-	2	2
18	Computer Science & Engg. – Information Security	1 (OCPD)	-	1	-	1
19	Rock Excavation Technology and Management	-	1(OC)	-	1	1
	Total	12 8OC+10CPD +3OBC=12	14 11OC+2OBC+ 1SC=14	15	11	26

PD – Persons with Disabilities

ER – External Registrant

IR – Internal Research Fellow

M.C.A., M.B.A. AND M.Sc. PROGRAMMES

Particulars of Admissions during 2013-14

Sl. No.	Programme	Intake	Total admitted			Out of the total admissions -candidates belonging to category							
			Boys	Girls	Total	SC		ST		OBC		PWD	
						M	F	M	F	M	F	M	F
1	Master of Computer Applications (MCA)	92+1**	76	15	91	11	3	4	3	22	1	10P 10BC	-
2	Master of Business Administration (MBA)	64+5*+1**	24	10	34	1	1	1	-	1	2	-	-
3	M.Sc. (Chemistry)	27+1**	4	18	22	-	-	1	1	-	7	-	-
4	M.Sc. (Physics)	27+1**	11	11	22	2	-	-	-	4	3	-	-
	Total	210+5*+4** =219	115	54	169	14	4	6	4	27	13	2	-

* Seats reserved for DASA candidates

** Additional seats for the international students under ICCR Scheme

PWD – Persons With Disabilities

Ph.D. PROGRAMME

Particulars of Admissions made during 2013-14

Sl. No.	Name of the Department	Full Time						Part time			Total						Out of the total admissions - Candidates belongs to the category					
		M		F		M		F		M		F		M		F		M		F		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	Civil Engg.	2+2*	1+1*	-	-	4	2	-	-	4	2	-	-	1	-	-	-	-	-	1+1*	-	-
2	Applied Mech. & Hydraulics	1+2(ESP)+3*	1	2	1	8	2	-	-	8	2	-	-	1*	-	-	-	-	-	-	-	-
3	Mechanical Engg.	9+1 QIP (Regular)+6*	1	3	1	19	2	-	-	19	2	-	-	2+1*	-	-	-	-	2+1PT+4*	1*	-	1
4	Electrical & Electronics Engg.	1+6*	-	-	-	7	-	-	-	7	-	-	-	1+1*	-	-	-	-	2*	-	-	-
5	Electronics & Communication Engg.	5+1*	1*	1	-	7	1	-	-	7	1	-	-	-	-	-	-	-	1+1*	-	-	-
6	Chemical Engg.	1+1 QIP (Regular)+1*	1+1(IR)+3*	-	-	3	5	-	-	3	5	-	-	-	-	-	-	-	1*	-	-	1*
7	Metallurgical & Materials Engg.	3+3*	-	-	-	6	-	-	-	6	-	-	-	-	-	-	-	-	2*	-	-	-
8	Mining Engg.	1(IR)	-	1	-	2	-	-	-	2	-	-	-	1(IR)	-	-	-	-	-	-	-	-
9	Computer Science & Engg.	2+2*	1+1*	1	-	5	2	-	-	5	2	-	-	1*	-	-	-	-	-	-	-	-
10	Information Technology	3+1*	-	-	-	4	-	-	-	4	-	-	-	1	-	-	-	-	-	-	-	-
11	Physics	1+2*	3	3	1	6	4	-	-	6	4	-	-	-	-	-	-	-	1(PT)+2*	1*	-	3+1*
12	Chemistry	1+2*	3+2*	1	-	4	5	-	-	4	5	-	-	-	-	-	-	-	-	-	-	-
13	Mathematical & Computational	1+3*	2+1(SP)	-	-	4	3	-	-	4	3	-	-	-	-	-	-	-	1	-	-	-
14	Humanities, Social Sciences & Management	2+3*	1+2*	1	1	6	4	-	-	6	4	-	-	-	-	-	-	-	2*	-	-	-
	Total	37+35*	16+10*	13	4	85	30	85	30	85	30	30	6+4*	1+2*	2*	-	-	6+2PT+15*	4+2*	4+2*	4+2*	4+2*

* admissions made during December session 2013.

PT = PART TIME, SP = Sponsored, ESP = Ethiopian Govt. Sponsored, IR = Internal Registrar

Student's Total Strength

<u>Programme</u>	<u>Strength</u>
1. Undergraduate	3234
2. Post Graduate (Including MCA/M.Tech./M.Tech – by research MBA/M.Sc.)	1473
3. Ph.D. Programme	465

Total	5172
	=====

7 EVALUATION AND EXAMINATION

7.1 EDUCATION SYSTEM

The normal duration of programmes leading to B.Tech degree in Engineering is eight semesters. For full time M.Tech. Programmes, the duration of study is a minimum of four semesters and a maximum of four years. For Internal/external registrants, the duration shall be a minimum of five semesters and maximum of five years. For M.Tech. by (Research) program for full-time students, the duration of study shall be a minimum of four semesters and a maximum of four years. For Internal/External Registrants, the duration will be a minimum of five semesters and a maximum of five years. For Master of Science, programme the duration of study shall be a minimum of four semesters and a maximum of four years. For Master of Computer Application (MCA) the duration of study shall be a minimum of six semesters and a maximum of six years. For Master of Business Administration (MBA), the duration of study is a minimum of four semesters and a maximum of four years. For Doctoral Programmes (Ph.D.) the duration of study is a minimum of two years and maximum of seven years for all categories of research scholars.

Each academic year is divided into two semesters. A semester that is typically from August to Mid-December is called the ODD SEMESTER, and the one that is from January to Mid-May is called EVEN SEMESTER.

The medium of instruction, examination and project work is English only.

7.2 EXAMINATION & EVALUATION PROCEDURE

The examination and evaluation work of all the B.Tech./M.Tech./MCA/MSc/MBA students and Ph.D./M.Tech by Research candidates were carried out by the respective Faculty Members in their concerned Departments itself as per the regulations approved by the Senate of the Institute. The Grades obtained by each student with details of attendance in each course were submitted to the Examination/Evaluation Section for processing their Grade Cards as per the regulations of the Institute. The results were declared and published on the website of the Institute in time and Grade Cards were issued to all eligible students.

8 EXAMINATION RESULTS FOR 2012-2013

Examination Details

Sl. No.	Branch	Total No. Appeared	No. of students passed in				Total Pass	Percentage of passes	No. of SC/ST candidate passed
			CGPA above 7 & below 10	CGPA above 6 & below 7	CGPA above 5 & below 6	CGP A below 5			
1.	Civil Engineering	101+2*	72	21	8	-	99+2*	98.06	21+1*
2.	Mechanical Engineering	152+2*	114	26	7	1	146+2*	96.10	26
3.	Electrical And Electronics Engineering	103+1*	71	22	8	1	101+1*	98.08	19+1*
4.	Electronics And Communication Engineering	106+3*	73	23	5	2	100+3*	94.50	16+1*
5.	Chemical Engineering	51	24	16	10	-	50	98.04	12
6.	Metallurgical And Materials Engineering	35+2*	25	6	4	-	33+2*	94.59	5+1*
7.	Mining Engineering	28	21	5	1	-	27	96.43	12
8.	Computer Engineering	107+1*	69	22	11	1	102+1*	95.37	21
9.	Information Technology	104+1*	61	28	11	2	101+1*	97.14	20

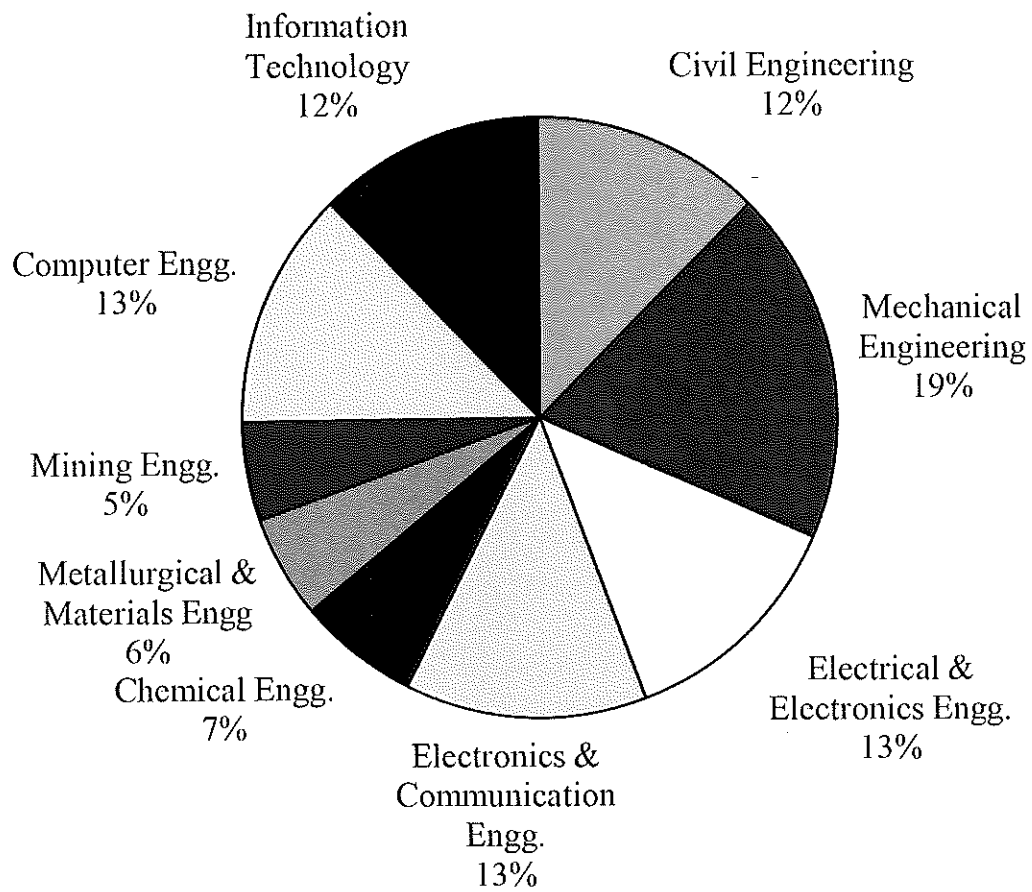
*- Repeaters

M.Tech./MBA/M.Sc. (Chemistry & Physics)

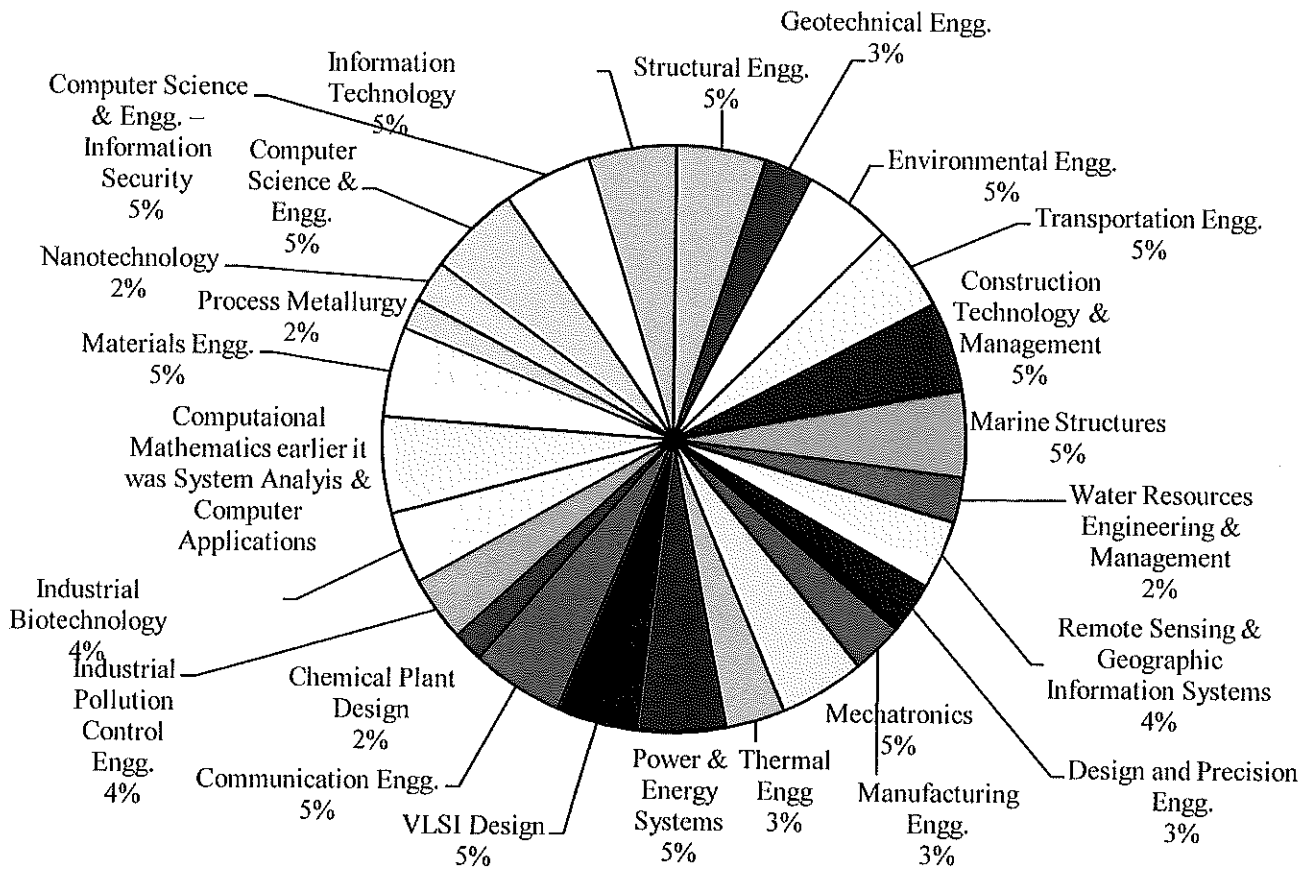
Sl. No.	Branch	Total No. Appeared	No. of students passed in			Total Pass	Percentage of passes	No. of SC/ST candidates passed
			CGPA above 7 & below 10	CGPA above 6 & below 7	CGPA above 5.50 & below 6			
1.	Construction Technology & Management	27+1**	27+1**	-	-	27+1**	100.00	7
2.	Structural Engineering	25	22	3	-	25	100.00	6
3.	Geotechnical Engineering	15	15	-	-	15	100.00	3
4.	Environmental Engineering	25	24	1	-	25	100.00	6
5.	Transportation Systems Engineering	29	25	3	-	28	96.55	6
6.	Marine Structures	21	15	4	2	21	100.00	3
7.	Remote Sensing & Geographic Information System	19	15	4	-	19	100.00	2
8.	Water Resources Engineering & Management	13	7	4	1	12	92.31	2
9.	Manufacturing Engineering	14	10	2	-	12	85.71	3
10.	Mechatronics Engineering	24	20	1	-	21	87.50	3
11.	Thermal Engineering	13	8	3	-	11	84.62	2
12.	Power & Energy Systems	25	15	8	2	25	100.00	5
13.	VLSI Design	28+1*	14	8	4	25+1*	89.66	5
14.	Communication Engineering	30+2*	18	7	4	27+2*	90.63	4+1*
15.	Chemical Plant Design	14	5	4	4	13	92.86	2
16.	Industrial Biotechnology	25	14	6	4	24	96.00	5
17.	Industrial Pollution Control	19	13	5	1	19	100.00	1
18.	Process Metallurgy	10	8	2	-	10	100.00	1
19.	Materials Engineering	19	13	4	1	18	94.74	2
20.	Nanotechnology	8	6	1	1	8	100.00	2
21.	Systems Analysis & Computer Applications	23	14	9	-	23	100.00	3

22.	Computer Science and Engineering	27	22	4	1	27	100.00	4+1*
23.	Computer Science and Engineering - Information Security	23+3*	14	7	1	19+3*	84.62	5
24.	Information Technology	26+1*	18	7	2	26+1*	100.00	6
25.	Master of Computer Applications	88	67	20	1	88	100.00	19
26.	Master of Business Administration	31+1*	29	2	1	31+1*	100.00	3+1*
27.	Master of Science (Chemistry)	19	17	1	1	19	100.00	-
28.	Master of Science (Physics)	20	15	2	3	20	100.00	2

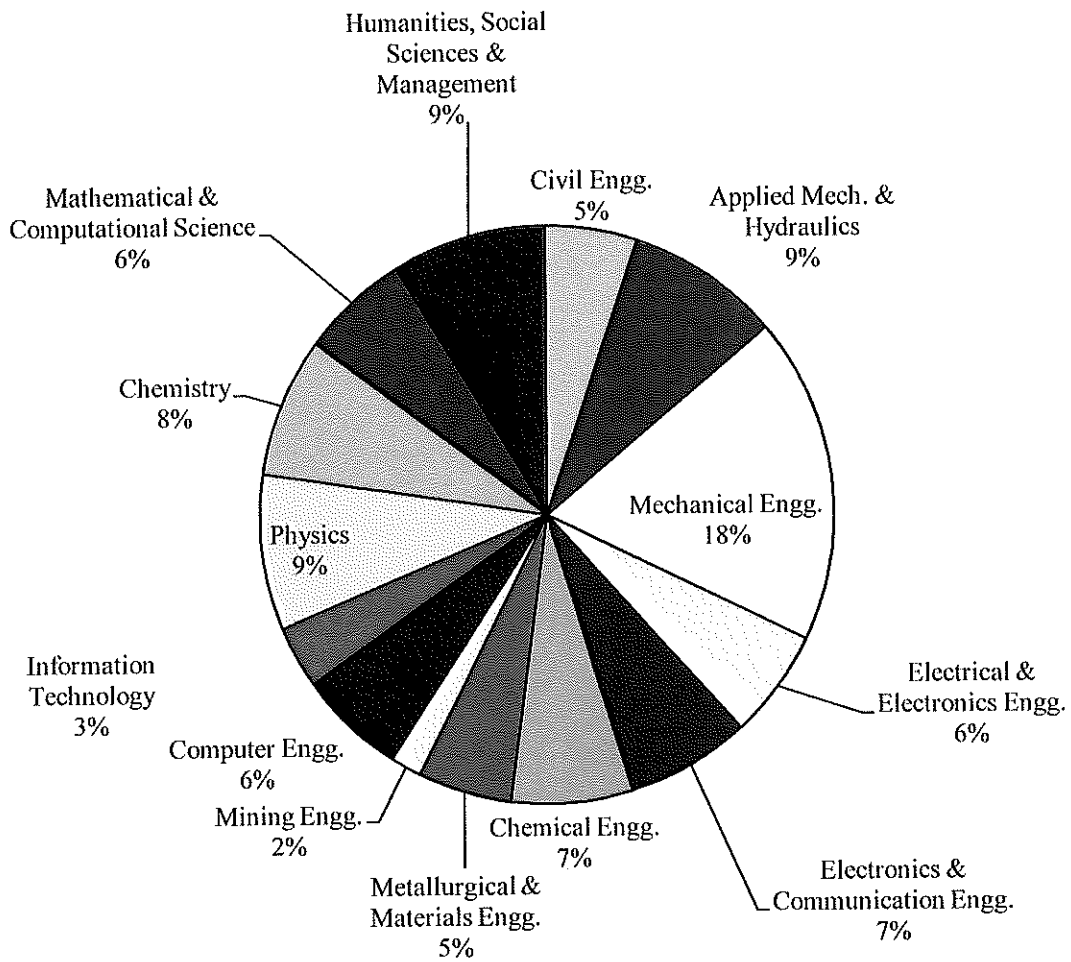
*- Repeaters **- Parttime



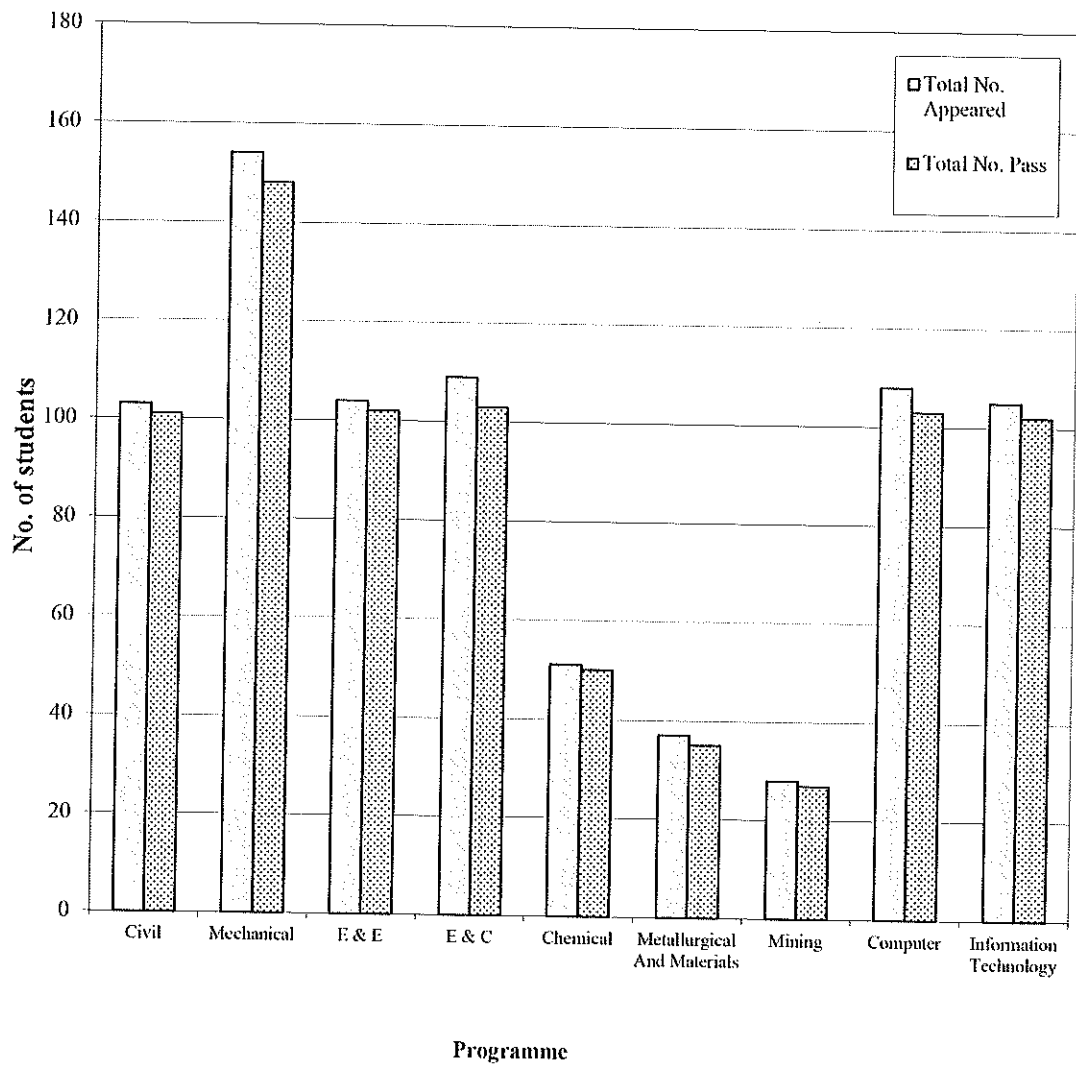
Pie – chart showing discipline wise B.Tech. admissions 2013-14



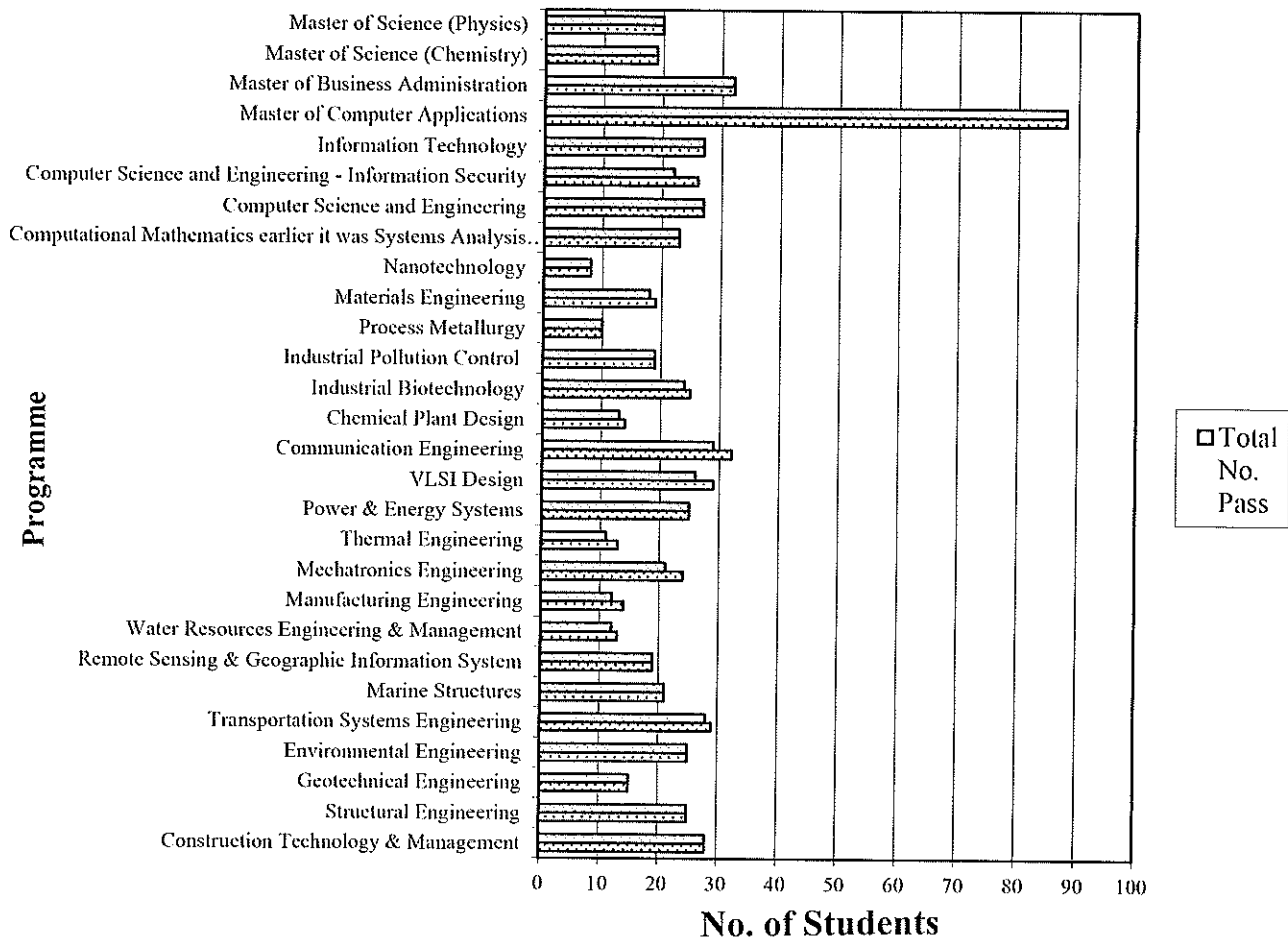
Pie – chart showing discipline wise M.Tech. admissions 2013-14



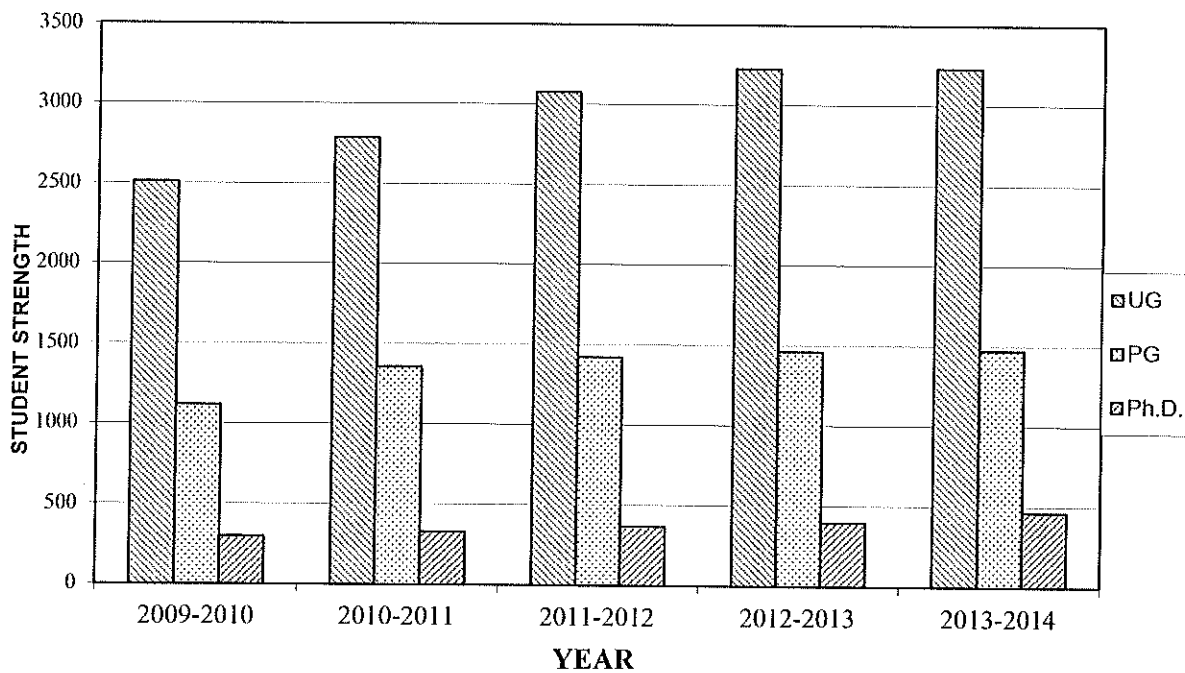
Pie – chart showing discipline wise Ph.D. admissions 2013-14



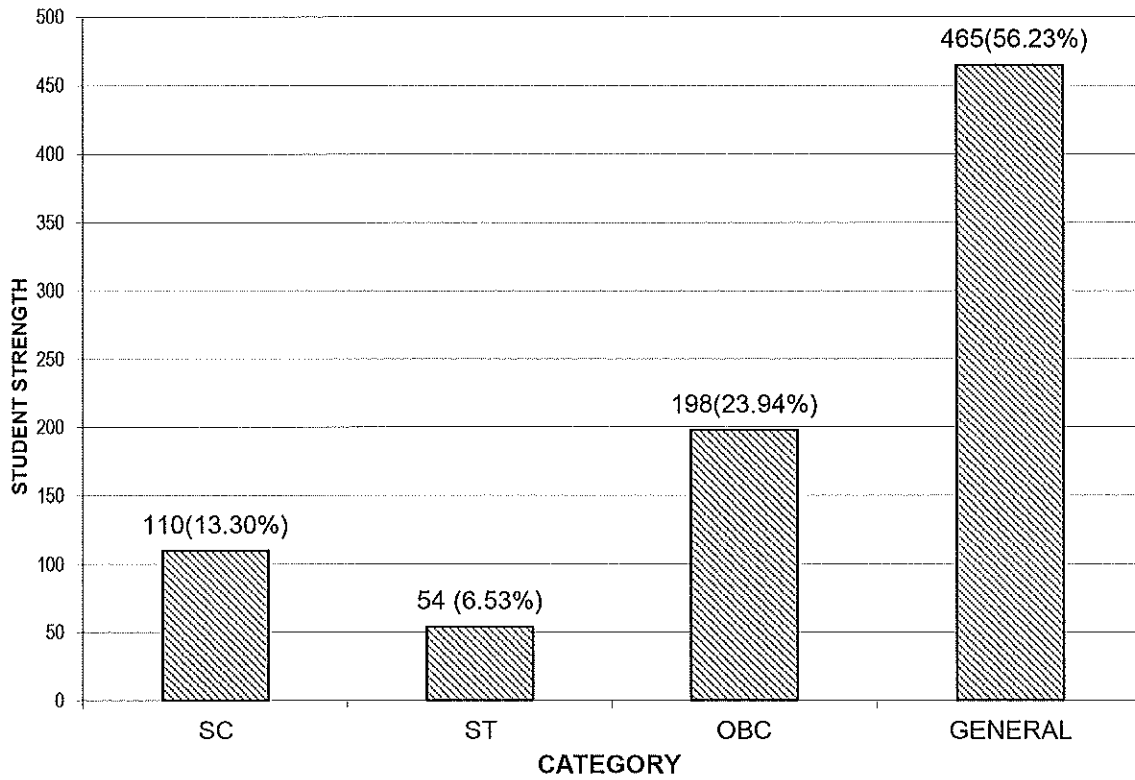
Examination Results (UG)



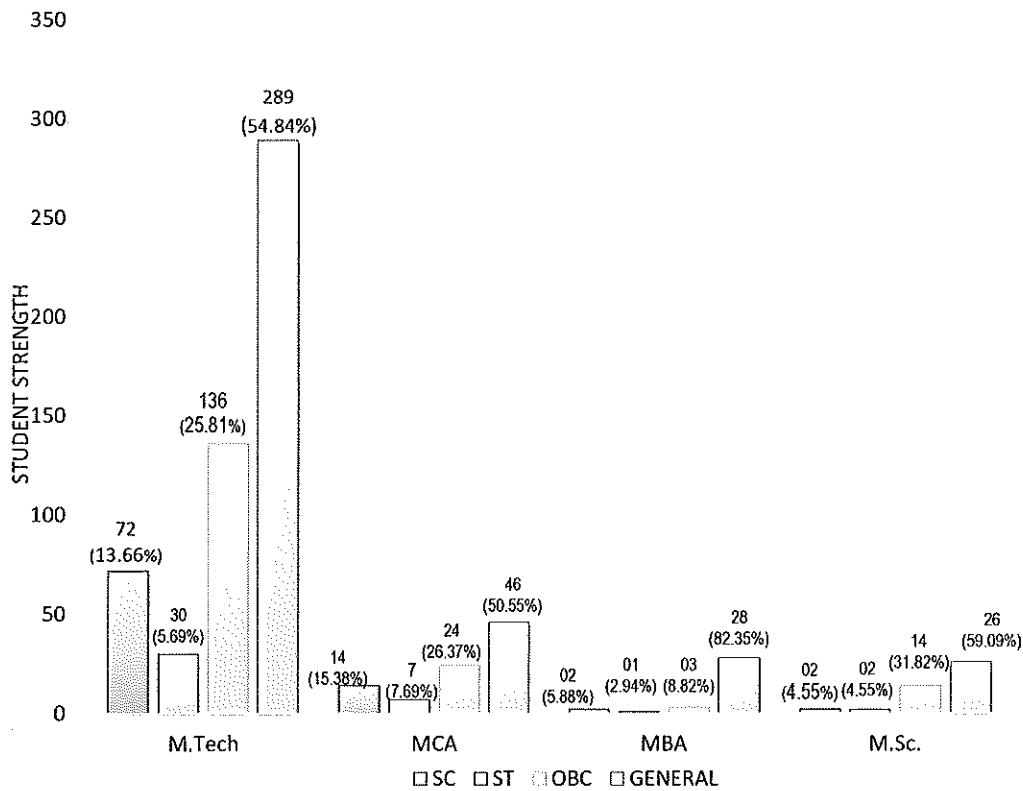
Examination Results (PG)



Growth in Enrolment of UG/PG/Ph.D. students during the Last Five years 2009-2013



Category wise details of UG admissions 2013-14



Category wise details of PG admissions 2013-14

**Ranks secured by the UG students of the Institute in the
Examination held in April/May, 2013**

Sl.No.	Name of the Branch	Name of the Rank Holder
1.	Civil Engineering	Shweta P Pai
2.	Mechanical Engineering	Bevin Mathew
3.	Electrical & Electronics Engineering	Pragyan Pratim Hazarika
4.	Electronics & Communication Engg.	Sneha S Kudli
5.	Chemical Engg.	Dhruba Jyoti Deka
6.	Metallurgical Engg.	Manoj Kumar Yadav Vinay Kumar Thakur
7.	Mining Engg.	Kanhaiya Kumar
8.	Computer Engineering	Abhinit Modi
9.	Information Technology	Sharath Rao

**Ranks secured by the M.Tech. Students of the Institute in the
Examination held in April-May, 2013**

Sl.No.	Name of the Branch	Name of the Rank Holder
1.	Structural Engineering	Jessiya Thasneem
2.	Geo-Technical Engg.	Srinivasa H N
3.	Environmental Engineering	Vinutha K
4.	Transportation Systems Engineering.	Sumayya Naznin P H
5.	Construction Tech. And Management	Vysakh A
6.	Marine Structures	Parvathy M M
7.	Water Resources Engg. & Management	Chythanya Krishnan
8.	Remote Sensing And Gis	Megha V
9.	Manufacturing Engineering	Umesh Babu V
10.	Thermal Engineering	Pramod K
11.	Mechatronics Engineering	Gaurav Pradip Laghate
12.	Power & Energy Systems	Adharapurapu Hema Latha
13.	VLSI Design	Piyush Joseph Philip
14.	Communication Engineering	Rakesh R T
15.	Chemical Plant Design	Alphy Thomas
16.	Industrial Pollution Control	Karishma Gururajan
17.	Process Metallurgy	Swaroop Robin Lewis
18.	Materials Engineering	Prakrthi A N
19.	Nanotechnology	Ankitha Eleanora Bangera
20.	Systems Analysis & Computer Applications	Sudip Das
21.	Computer Science & Engineering	Valluri Subbanna Chowdary
22.	Industrial Bio Technology	Aarrthi Manoharan
23.	Computer Science And Engg. – Information Security	Midhun P G
24.	Information Technology	Dere Kundan Shivajirao

**Ranks secured by the MCA/MBA/M.Sc. (Chemistry) students of the Institute in the
Examination held in April/May, 2013**

	Name of the Branch	Name of the Rank Holder
1.	Master Of Computer Applications	Aayushi Budhia
2.	Master Of Business Administration	Nanda Choudhury
3.	M.Sc. (Chemistry)	Josvita Sequeira
4.	M.Sc. (Physics)	Vaishali B Adya

9 Ph.D. PROGRAMMES & DOCTORATES AWARDED

Ph.D. PROGRAMMES – EXISTING & PROPOSED

Department of Applied Mechanics And Hydraulics

	Specialization
Existing	(i) Coastal Engineering (ii) Water Resources Engineering (iii) Remote Sensing and GIS
Proposed	Nil

Department of Chemical Engineering

	Specialisation
Existing	Process Development, Particulate system, Biotechnology, Environmental Engg., Transfer Operation, Industrial Biotechnology
Proposed	Nil

Department of Civil Engineering

	Specialization
Existing	Construction Technology and Management Environmental Engineering Geology and Earth-Sciences Geotechnical Engineering Structural Engineering Transportation Engineering
Proposed	Nil

Department of Computer Engineering

	Specialization
Existing	Software Engineering, Computer Networks, Data Management, Data Mining, Distributed Computing, Information Security, Image Processing, Cloud Computing, Wireless Networks, High Performance Computing, Computer Vision, Speech Processing, Mobile computing and Next generation Computing
Proposed	Network-on-chips, DNA computing

Department of Chemistry

	Specialization
Existing	I Inorganic Chemistry 1) Corrosion inhibitors 2) Nano fluids 3) Spectrophotometry and complexometry 4) Organometallic chemistry 5) Coordination chemistry 6) Hydrogen storage materials-nanocarbons 7) Liquid crystal

	<p>II Physical Chemistry</p> <ol style="list-style-type: none"> 1) Nano materials 2) Solution chemistry 3) Polymer composites 4) Biodegradable polymers 5) Nano multilayer coatings 6) Corrosion study 7) Supercapacitor materials <p>III Organic Chemistry</p> <ol style="list-style-type: none"> 1) Synthetic organic chemistry 2) Polymer chemistry-Conducting polymers 3) Medicinal chemistry 4) Liquid crystal polymers 5) Membrane technology 6) Polymer nanocomposites 7) Supramolecular chemistry 8) Green Chemistry 8) Organic solar cells, Dye Sensitized Solar Cells
Proposed	<ol style="list-style-type: none"> 1) Crystallographic studies of new single crystals 2) Solar cells 3) OLED materials 4) NLO Materials 5) New catalysts for biodiesel 6) Gas sensors 7) Bio sensors

Department of Electronics And Communication Engineering

	Specialization
Existing	Digital VLSI Design, Analog and Mixed Signal Design, Digital Signal Processing, Speech, Audio, Image and Video Processing, Digital Communication, Error Control Coding, Free Space Optics, RF MEMS, Microwave and RF Circuits, Wireless Sensor Networks, High Frequency Electronics, Semiconductor Devices, Embedded Systems, Reconfigurable Computing.
Proposed	Medical Imaging

Department of Electrical And Electronics Engineering

	Specialization
Existing	Power Systems, Distributed Generation, Energy systems, Power Electronics and Drives, Renewable energy, High Voltage, FACTs, Control Systems, Smart grid & Sensor Networks.
Proposed	Power Systems, Distributed Generation, Power Electronics and Drives, Renewable energy, High Voltage, FACTs, Control Systems. System sciences and Automation systems.

Department of Humanities, Social Sciences and Management

	Specialization
Existing	<p>4 Research Scholars are working for Ph.D Degree under the guidance of Dr. A.H. Sequeira Areas of Specialization</p> <ul style="list-style-type: none"> - Productivity Management - Organisational Behaviour - Service Marketing - Brand Management - Strategic Management - Retail Marketing <p>5 Research Scholars are working for Ph.D Degree under the guidance of Dr. K. B. Kiran Areas of Specialization</p> <ul style="list-style-type: none"> - Economics of Technological Change - Indian Coffee - Indian Textile and Clothing Industry - Micro Health Insurance - Sustainability of Competitive Advantage - Behavioural Finance - Micro Finance <p>3 Research Scholars are working for Ph.D Degree under the guidance of Dr. Shashikantha K. Areas of Specialization</p> <ul style="list-style-type: none"> - Modern Indian Fiction - Diasporic Studies <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. Rashmi Uchil Areas of Specialization</p> <ul style="list-style-type: none"> - International Financial Management - Accounting - Mergers and Acquisitions - Organizational Behavior <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. Sunil C. D'Souza Areas of Specialization</p> <ul style="list-style-type: none"> - Marketing & Services Management - Consumer Behaviour - Healthcare Management - Organizational behavior - Research Methods - Strategic Management - Total Quality Management <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. Suprabha K.R. Areas of Specialization</p> <ul style="list-style-type: none"> - Marketing & Services Management - Financial Management - Microfinance and Rural Development - Project Management - Banking and Insurance Practices. <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. Rajesh Acharya H.</p>

	<p>Areas of Specialization</p> <ul style="list-style-type: none"> - Financial Economics - Market Microstructure of Indian Capital Markets - Derivatives and Risk Management - Applied Financial Econometrics - Credit Risk Modeling and Co- operative Credit <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. Gopalakrishna B.V.</p> <p>Areas of Specialization</p> <ul style="list-style-type: none"> - Human Development - Managerial Economics - International Business - Entrepreneurship development - Market research and consumer behavior - Hospital Management <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. S. Pavan Kumar</p> <p>Areas of Specialization</p> <ul style="list-style-type: none"> - Organisational Behaviour & Human Resource Management - Information systems - Change management - Research Methodologies <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. Sheena</p> <p>Areas of Specialization</p> <ul style="list-style-type: none"> - Brand Management, Brand Equity - Rural Marketing - Retail Marketing - Consumer Behaviour - Advertising Research - Customer Relationship Management <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. Dhishna P., Areas of Specialization</p> <ul style="list-style-type: none"> - Travel Writing - Professional Communication - Cultural Studies - Comparative Literature <p>1 Research Scholar is working for Ph.D Degree under the guidance of Dr. Savita Bhat</p> <p>Areas of Specialization</p> <ul style="list-style-type: none"> - Industrial Economics - Business Analytics Information Systems.
Proposed	Nil

Department of Information Technology

	Specialization
Existing	Affective Computing, Big Data Analysis, Bio-Inspired Computing, Cloud Computing, Cloud Security, Cyber Security, Computer Networks, Databases, Data Mining, Distributed Computing, Health Care Informatics, High Performance, Internet of Things, Information Security, Multimedia Computing, Network Security, Social Network Analysis, Web Services, Wireless Sensor Networks
Proposed	Nil

Department of Mathematical And Computational Sciences

	Specialization
Existing	Computational Fluid Dynamics, Optimization, Graph Theory, Reliability Engineering, Stochastic Process, Number Theory, Computational Science, Cryptography, Finite Fields, Functional Analysis, Real Analysis, Differential Equations. Numerical Analysis
Proposed	Nil

Department of Mechanical Engineering

	Specialization
Existing	Renewable Energy, Alternative Fuels, IC Engine & Combustion, Refrigeration and Air-conditioning, Heat Transfer, Fluid Dynamics, Fracture Mechanics and Fatigue, FEM, Stress Analysis, Tribology, Machine Dynamics and Vibration, Advanced Materials, Advanced Manufacturing, Mechatronics, MEMS, Nanotechnology, Product Design, Structural Acoustics, Polymer Nano-Composites, Turbomachines, Fluid Structure Interaction, Precision Manufacturing, Robotics and Control
Proposed	Atomization, Aero-elasticity

Department of Mining Engineering

	Specialization
Existing	Rock Mechanics and Ground Control, Drilling and Blasting, Mine Planning Environmental Management
Proposed	Nil

Department of Metallurgical And Materials Engineering

	Specialization
Existing	Process Metallurgy, Physical Metallurgy, Mechanical Metallurgy, Materials Engineering, Nanotechnology
Proposed	--

Department of Physics

	Specialization
Existing	Solid State Physics, Materials Science, Theoretical Physics, Electromagnetics, Photonics
Proposed	

DOCTORATES AWARDED

Department of Applied Mechanics and Hydraulics:-

	No. Awarded
Upto 31 st March 2013	37
During period 1 st April 2013 to 31 st March 2014	4

Name of the candidate	Title of the thesis	Year of Award	Guide (s)
Diwakar P.G.	Participatory geomatics in profess based watershed development	2013	S.G Mayya
Gumageri Nagaraj	Study of Geomorphology and dynamics of shoreline associated with Mulky-Pavanje rivermouth, Dakshina Kannada Coast, Karnataka, India	2013	G. S Dwarakish
Anirudha Gopal Banhati	Effects of Data Preprocessing on the Prediction Accuracy of Artificial, Neural Network Model in Hydrologic Time Series	2013	Paresh Chandra Deka
Shanthala B.	Response Analysis of Berthing Structures for Wave and Earthquake Induced Forces including Soil – Structure Interaction	2013	Subba Rao and Katta Venkataramana

Department of Chemical Engineering

	No. awarded (including those for which viva has been successfully completed)
Upto 31 st March 2013	16
During period 1 st April 2013 to 31 st March 2014	04

During period 1st April 2013 to 31st March 2014 (for period of report only)
Ph.D. Degree awarded:-

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Brahmani Priyadarshini S.R.	Asymmetric Synthesis Of Drug Intermediates Using Microorganisms	5 th April 2013	Gopal Mugeraya
Harisha Poojary	Studies On The Production, Purification & Characterization Of Laccases By The Novel Isolates Of Basidiomycetes	19 th August 2013	Gopal Mugeraya
Pooja Shivanand	Utilization Of Renewable Agricultural Resources For Ectoine, Xylanase And Cellulase Production From Newly Isolated Halophilic Bacteria	27 th September 2013	Gopal Mugeraya
Ranjani Chitrapur	Studies On Microbial Degradation Of Chlorinated Organic Compound	31 st October 2013.	M.B. Saidutta & G. Srinikethan

Department of Civil Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	32
During period 1 st April 2013 to 31 st March 2014	10

For period of report only

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
B Raja Gopal	Studies On Land Use/Land Cover Changes And Water Quality Due To Urbanization Along the coastal Areas Of Dakshina Kannada District, Karnataka, India	2013	S Shirahi G S Dwarakish
Mahamood	Fenton And Photo-Fenton Oxidation Of Selected Pharmaceutical Compounds In Water	2013	Basavaraju Manu
Ramakrishna Hegde	Investigations On Accelerated Consolidation Of Coir Reinforced Laterite, Lithomargic Clay And Blended Soils With Vertical Sand Drains For Pavement Foundations	2013	A U Ravishankar Varghese George
Srinath Shetty K	Experimental Investigations And Artificial Neural Network Modeling Of Bearing Capacity Of Strip Footing On Reinforced Granular Bed Overlying Weak Soil	2013	R Shivashankar

Sujatha Unnikrishnan	Seismic Response of Laterite Masonry Structures	2013	M C Narasimhan Katta Venkataramana
Chandrashekhara A	Studies On Potential Usage Of Fly Ash In Steel Fiber Reinforced Concrete For Rigid Pavements	2013	A U Ravi Shankar
Radhakrishnan K	Geohydrological Studies Of Mulki River Basin, Karnataka, India	2013	K N Lokesh
Sowmya N J	Design Consistency Evaluation Of Rural Highways	2013	A U Ravi Shanka
Srujana Nandam	Seismic Response Of Substation Equipment With Porcelain Components	2013	Katta Venkataramana & Ramesh Babu
Kulkarni Kishor S B	Analytical tools for strength prediction of thermally deteriorated HPC	2014	K.S.Babu Narayan & Subhash C. Yargal

Department of Computer Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2013	15
During period 1 st April 2013 to 31 st March 2014	00

Department of Chemistry

	No. awarded (including those for which viva has been successfully completed)
Upto 31 st March 2013	42
During period 1 st April 2012 to 31 st March 2013	10

(For period of report only)

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Pavithra G.P.	Electrochemical development and characterization of mutual alloys of Fe-group elements	June 2012	A. Chitharanjan Hegde
Sanath Kumar	Studies on corrosion inhibition of 18% Ni M 250 grade maraging steel under weld aged condition in acidic media.	2012	A. N. Shetty And Jagannath Nayak
Shrikant	Synthetic and anticonvulsant studies of some new pyridine derivatives	June 2013	A. Vasudeva Adhikari
Ravindra R	Synthesis of one dimensional carbon nanostructures and its applications	July, 2012	B. RamachandraBhat
Rudresh. B.J.	Synthesis Characterization and study of nonlinear optical properties of some transition metal complexes	December, 2012	B. RamachandraBhat
Sampath Kumar H.C.	Synthesis and characterization of some transition metal complexes and their NLO activity	December, 2013	B. RamachandraBhat

CY08F06 Murali M G	Synthesis and Characterization of Thiophene Based Conjugated Polymers for Optoelectronic Applications	April 2013	Udaya Kumar D
Rajasha Kumar A.	Preparation and characterization of chitosan based polymer membranes for water purification application	October 2013	Arun M. Isloor & Darshak R Trivedi
Garudachari B.	SYNTHESIS, BIOLOGICAL STUDIES OF SOME NEW TRIFLUOROMETHYL AND HALOGEN SUBSTITUTED QUINOLINE DERIVATIVES	January 2014	Arun M. Isloor & M.N. Satyanarayana
Subrahmanya Ishwar bhat	Development of synthetic routes for Carbon-Carbon and Carbon-Heteroatom bond formation Under solvent- and Catalyst Free conditions	December 2013	Darshak R. Trivedi

Department of Electrical And Electronics Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2013	03
During period 1 st April 2013 to 31 st March 2014	08

(For period of report only)

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
K. M. Sharma, Assoc. Prof., NITK	Electrical Power Distribution System Management Under DE-regulation Regime	2013	K. P. Vittal
R. L. Itagi, Asst. Prof., K.L.E.I. T., Hubli	Application of error correction codes for enhancing data integrity in power line channels	2013	K. P. Vittal U. Sripathi
Vinuatha.U., Assoc. Prof., NITK.	Design and evaluation of controllers for wave energy based electricity generation system	2013	K. P. Vittal
Rajalakshmi Samaga, Full Time NITK funding	Investigations on noninvasive fault diagnostic techniques for three phase induction motor with mixed eccentricity	2013	K. P. Vittal
Sham M V, Sponsored under QIP (Poly)	Adaptive Distance Relay for STATCOM Connected Transmission Lines – Development of DSP Based Relay Hardware, Relaying Schemes and Hardware in Loop Testing Procedures	2013	K. P. Vittal
Kamalapur Gopalkrishna Dhruvaraj	Rural Electrification In Deep Areas Of India And Feasibility Study Of Solar Home Systems	2013	Uday Kumar R Y
Abdul Ahad Shaik	A Novel Controller For Switched Reluctance Motor	2013	Uday Kumar R Y
R Shivarudra Swamy	Voltage Regulation Of Power Distribution System With Interconnected Distributed Generators	2013	D N Gaonkar

Department of Electronics And Communication Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2013	<ol style="list-style-type: none"> 1. Rajendra Acharya U., has completed the Ph.D. entitled 'Analysis & Handling of HRV Data' Area: Bio-medical Signal Processing under the Guidance of Prof. P. Subbanna Bhat, Professor, Dept. of E&C in December 2001. 2. Sathish Kumar, Dept. of E&C, MIT, Manipal has completed the Ph.D. thesis entitled 'Performance enhancement of Optical CDMA Networks and Hybrid Multiplexed Optical Communication Systems', under the guidance of Prof. K. N. Hari Bhat, Professor, Dept. of E&C and Dr. G. Umesh, Professor, Dept. of Physics in August, 2004. 3. Jagadish Nayak, Dept. of E&C, MIT, Manipal has completed the Ph. D. thesis entitled 'Automated detection of eye abnormalities and patient data handling', under the guidance of Prof. P. Subbanna Bhat and Prof. M S Bhat, Dept. of E&C in February 2009. 4. Ganesh, Dept of CS Engg, PA College of Engg, Mangalore has completed Ph.D thesis entitled 'Algebraic structure based on mixed radix system and Chinese remainder theorem for the generation of key sequences and their application in stream cipher system' under the guidance of Prof. Sripati U, Dept. of E&C and Prof. K N Hari Bhat, in February 2011. 5. Om Prakash Verma, University of Delhi has completed PhD thesis entitled "Image Processing using soft computing and evolutionary algorithms" under the guidance of Prof. Muralidhar Kulkarni of E&C in 2011. 6. Aparna P, Dept. of E&C Engg, NITK Surathkal has completed Ph.D thesis entitled 'A development of an efficient video coding based on distributed source coding' under the guidance of Prof. Sumam David S, Dept. of E&C in March 2012. 7. Ramesh Kini M, Dept. of E&C Engg, NITK Surathkal completed Ph.D thesis entitled 'Development of a dynamically reconfigurable processor core architecture for DSP Kernels' under the guidance of Prof. Sumam David S, Dept. of E&C in September 2012. 8. Prashanth Kumar, completed Ph.D thesis entitled 'Decoding algorithms for linear block codes adapting tree structure and their applicability to wireless communication and data storage systems under the guidance of Prof. U Sripati, Dept. of E&C and Prof. B Shankarananda, in November 2012.
During period 1 st April 2013 to 31 st March 2014	<ol style="list-style-type: none"> 1. Rajesh Shetty, Dept. of E&C Engg, NMAMIT, Nitte has completed Ph.D thesis entitled 'Design and construction of algebraic codes for enhancing information integrity in data storage systems' under the guidance of Prof. U Sripati of E&C in May 2013. 2. Sooryakrishna, Dept. of E&C Engg, SJEC Mangalore completed Ph.D thesis entitled 'Modeling, analysis and optimization of interconnects in deep submicron regime' under the guidance of Prof. M S Bhat of E&C in August 2013. 3. Savitha H M Dept. of SJEC Mangalore has completed Ph.D thesis entitled "Energy Efficient Error Control Techniques for OFDM Systems with their Applicability to Power Line and Wireless Communication Channels" under the guidance of Prof. M. Kulkarni of E&C Dept in April 2014.

	<p>Thesis Submitted:</p> <ol style="list-style-type: none"> 1. K S Shivaprakash submitted thesis entitled "Energy Efficient Data Communication over Resource Constrained Wireless Sensor Networks" under the guidance of Prof. M Kulkarni of E&C Dept in 2013. 2. Lwaa Faisal Abdulameer supported by SAARC Scholarship, Lecturer, Information and Communication Engg. Dept., Al-Khwarizmi Engg. College, University of Baghdad, Iraq submitted thesis entitled "Analysis and Design of Reliable and Secure Chaotic Communication System for Optical and Wireless Linkers" under the guidance of Prof. U Sripati and Dr. M Kulkarni in December 2013. 3. Vasantha M.H of NITK Surathkal (Assistance Professor Dept. of E&C Engg. NIT Goa) has Submitted Ph.D thesis entitled 'Low Power Integrated Continuous-Time Transconductance-Capacitor Filters targeted to operate on 0.5v Supply Voltage' under the guidance of Prof. Laxminidhi T. of E&C in Jan 2014. 4. Rekha S, Dept. of E&C Engg, NITK Surathkal submitted thesis entitled "Integrated Active-RC Continuous Time Filters for Low Voltage and Low Power Applications" under the guidance of Prof. T Laxminidhi of E&C Dept. in February 2014. 5. Geetha Prakash, PES Institute of Technology, Bangalore submitted thesis entitled "Rateless Codes for Transmission over Free Space Optics using Stochastic Models based on Scintillation Theory and their Application to Optical Wireless Sensor Networks" under the guidance of Prof. Muralidhar Kulkarni and Prof. U Sripati of E&C Dept. in April 2014.
--	---

Department of Humanities, Social Sciences and Management

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2013	5
During period 1 st April 2013 to 31 st March 2014	3

(For period of report only)

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Bijuna Mohan	Brand Equity for Leveraging Business Performance of Fast Moving Consumer Goods (FMCG) Companies	2013	Sequeira A. H.
Rashmi Uchil	Assessment of the Relationship between Organizational Culture, Identification and Commitment in the context of Mergers,	2013	Sequeira A. H.
Savitha	Impact of Micro Health Insurance - Case Study of Sampoorna Suraksha Programme in Karnataka	2013	Kiran K.B.

Department of Information Technology

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2013	4
During period 1 st April 2013 to 31 st March 2014	3

(For period of report only)

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Poornalatha G	Web UR:Effective Techniques for Web Usage Mining and Recommender System	October 2013	Ananthanarayana V S Prakash S
Megha P Arakeri	Development of CAD System for Detection, Classification, Retrieval and 3D Reconstruction of Brain and Liver Tumors on MRI and CT Images	December 2013	G. Ram Mohana Reddy
Kiran M	Bio-Inspired Quality of Service Aware Routing in Mobile ADHoc Networks	January 2014	G. Ram Mohana Reddy

Department of Mathematical And Computational Sciences

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	24
During period 1 st April 2013 to 31 st March 2014	4

(For period of report only)

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Sureshan Pareth	Newton Type method for Lavrentiev Regularization of nonlinear ill-posed operator equations	2013	Santhosh.George
P.Jidesh	Image reconstruction using PDE, Variational and Regularization methods	2013	Santhosh.George
S. Balaji	A Study on Semi-Closed Operators in Hilbert Spaces	2014	Sam Johnson
M.E.Shobha	Regularization methods for nonlinear ill-posed Hammerstein Type operator equations	2014	Santhosh.George

Department of Mechanical Engineering

	No. awarded (including those for which viva has been successfully completed)
Upto 31st March 2014	46
During period 1st April 2013 to 31st March 2014	6

(For period of report only)

Name of the candidate	Title of thesis	Year of award	Guide(s)
Saravanabavan D	Experimental investigation and analysis of Maize Natural fiber composites	2014	G C Mohan Kumar
Shankar K S	Studies on the performance, combustion and emission characteristics of multi-cylinder SI engine fuelled with LPG along with varying steam induction rates	2013	Prof. P. Mohanan
Kiran Aithal	Development and characterization of functionally graded Al-Si alloy system and Al-Si/SiCp composites using centrifuge casting	2013	Narendranath S and Vijay Desai
Dayananda Pai K	Performance evaluation and optimization of surface grinding process for grinding of aluminium based metal matrix composites using Response Surface Methodology and a novel genetic algorithm approach	2013	Shrikantha S Rao
Selvaraj M	Performance evaluation of power transmission line tower made of polymer matrix composite	2013	S M Kulkarni R Ramesh Babu
Nigalye Akshay Vithal	Modeling and validation of behavior of mushy state rolled $Al_{4.5}Cu_5TiB_2$ composite using neural network techniques	2013	Mervin A. Herbert Shrikantha S. Rao

Department of Mining Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014 (During period 1 st April 2013 to 31 st March 2014)	03

(For period of report only)

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Shanth A Thimmaiah	Socio Economics and Environmental Impact Studies due to Mining at Bellary- Hospet Sector	2013	Y.VRao and Ch.S.N Murthy
SangshettyKivade	Experimental Investigation on Estimation and Prediction of Sound in Percussive drilling.	2013	Ch.S.N Murthy and HarshaVardhan
Mallikappa	Experimental Investigation on Performance and Emission Characteristics of Non- Road CI Engines with Cardanol Bio Fuel Blends	2014	Ch.S.N Murthy and N.RanaPratap Reddy

Department of Metallurgical and Materials Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2013	23
During period 1 st April 2013 to 31 st March 2014	2

(For period of report only)

Name of Candidates	Title of Thesis	Year of Award	Guide (s)
Padmayya S. Naik	Preparation Of Preformed Yarn To Synthesize Carbon-Carbon Composites	2014	A. O. Surendranathan
Sanat Kumar	Studies on Corrosion Behaviour of 18% Ni M250 grade maraging steel welds in acid medium and its inhibition	2013	Jagannath Nayak & Nityananda Shetty

Department of Physics

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	11
During period 1 st April 2013 to 31 st March 2014	3

(For period of report only)

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Sowmya Palimar	Doping of Vacuum Deposited Zinc Oxide Thin Films	2013	G. K. Shivakumar, (Mrs.) Kasturi V.B.
Nagaraja K K	Studies on growth, optical & electrical properties of Doped & Undoped Zinc Oxide Thin Films	2013	H.S. Nagaraja
Manjunatha K.B.	Investigation of Third-order Nonlinear optical and all optical switching properties of some metal organic materials.	2014	G. Umesh

10.0 HUMAN RESOURCES

10.1 STAFF POSITION

	<i>Number</i>
<i>a) Teaching Staff</i>	
Professors	70
Associate Professors	36
Assistant Professors	123
Other staff, A.P.D. & System Manager}	02

	<u>231</u>
<i>b) Non-Teaching Staff</i>	
Administrative Officers	12
Technical supporting staff	69
Non-technical supporting staff	124

	<u>205</u>

THE STAFF

(A) Administration Staff (Teaching)

Director: (Head of the Institution)

Swapan Bhattacharya, Ph.D. from 1.8.2012

Dean (Academic)

(Mrs) Sumam David, Ph.D.

Dean (Planning and Development)

Lakshman Nandagiri, Ph.D. till 31.1.2014

M C Narasimhan, Ph.D. from 1.2.2014

Dean (Faculty Welfare)

A Kandasamy, Ph.D. from 18.1.2013

Dean (Alumni Affairs & Institutional Relations),

M B Saidutta, Ph.D. from 15.5.2013

Dean (Student's Welfare)

Gopal Mugeraya, Ph.D. till 7.10.2013

Uday Kumar R Y, Ph.D. from 8.10.2013

Dean (Research & Consultancy)

G Umesh, Ph.D. till 27.8.2013

K Chandra Sekaran, Ph.D. from 1.9.2013

Associate Deans

Jagannath Nayak, Ph.D. (PG) till the ending ODD Sem 2013-14

Varghese George, Ph.D. (R&C) till 30.4.2013

Subhas C Yaragal, Ph.D. (UG)

ACADEMIC STAFF (TEACHING)

Department of Applied Mechanics And Hydraulics

Professors:

S. Ganapathi Mayya, Ph.D. (I.I.Sc. Bangalore)
A. Vittal Hegde, Ph.D. (Mangalore University)
N. Lakshman, Ph.D., (I.I.Sc., Bangalore)
M.K. Nagaraj, Ph.D. (I.I.Sc., Bangalore)
Subba Rao, Ph.D. (Mangalore University), HOD
G.S. Dwarakish, Ph.D. (Anna University)
Mahesh A, Ph.D. (IIT Bombay)
Kiran G. Shirlal, Ph.D. (NITK)

Associate Professors

Amba Shetty, Ph.D. (NITK)
K Varija, Ph.D. (IISc., Bangalore)
B.M. Doddamani, Ph.D.(NITK)
P.C. Deka, Ph.D. (I.I.T. Guwahati)

Assistant Professor:

K. Subrahmanya, M.Tech. (Mangalore University)
Manu, (Ph.D. NITK)
Pruthviraj U., M.Tech. (NITK)
H.Ramesh, Ph.D. (NITK)
K. Vadivuchezhian, Ph.D. (IIT Madras)

Department of Chemical Engineering

Professors:

D.V.R. Murthy, Ph.D. (Mangalore Univ.)
G. Srinikethan, Ph.D. (I.I.T. Madras)
Gopal Mugeraya, Ph.D. (I.I.Sc. Bangalore) on deputation to NIT Agartala as director from 8.10.2013
M.B. Saidutta, Ph.D. (I.I.T. Bombay)

Associate Professor:

K. Vidya Shetty, Ph.D. (NITK) HOD from 1.9.2012
B. Raj Mohan., Ph.D. (I.I.T., Kharagpur)

Assistant Professors:

S. Gangamma, B.E. (Bangalore University)
Jitendra Pal S., M.Tech. (VTU Belgaum)
Prasanna B.D., M.E. (Ph.D. NITK)
Regupathi, Ph.D., (Anna University, Chennai)
P.E. Jagadeeshbabu, Ph.D. (Anna Univ. Chennai)
Noyel Victoria, Ph.D. (IIT Madras)
Keyur Raval, Ph.D. (Aachen Den University)
D.Ruben Sudhakar, Ph.D. (IIT Madras)
B. Ashraf Ali, Ph.D. (IIT Madras)
Jagannathan T K, Ph.D. (IIT Madras)

Department of Civil Engineering

Professors:

R. Shivashankar, Ph.D. (A.I.T. Bangkok)
K.N. Lokesh, Ph.D. (Geology) (Gulbarga University)
M.C. Narasimhan, Ph.D. (IIT Madras)
Katta Venkataramana, Dr. Eng. (Kyoto University, Japan), HOD
A.U. Ravi Shankar, Ph.D (Univ. of Roorkee)
D. Venkata Reddy, Ph.D. (Geology) (Osmania University)
K. Swaminathan. Ph.D. (I.I.T. Bombay)
Varghese George, Ph.D. (I.I.T. Bombay)
S. Shrihari, Ph.D. (Univ. of Roorkee)
Seetharama Nayak, Ph.D. (I.I.Sc. Bangalore)
Subhas C. Yaragal, Ph.D. (IISc., Bangalore)
K.S. Babunaryan, Ph.D. (NITK)

Associate Professor:

B.R. Jayalekshmy, Ph.D. (NITK)

Assistant Professor:

Sunil B.Malegole, Ph.D. (NITK)
Prashanth M.H., M.Tech. (NITK) as QIP deputation at IISc
Basavaraj Manu, Ph.D. (IIT, Bombay)
Raviraj H. Mulangi, M.E. (RGPV-Bhopal), QIP, IISC
Suresha S N, Ph.D. (NITK)
Arun Kumar Thalla (IIT Rourkee)
Gangadhar Mahesh, Ph.D. (Hongkong)
A S Balu, Ph.D. (IIT Madras)
C Rajasekaran, (IIT Madras)
C.P. Devatha, Ph.D. (IIT Roorkee)
A. Gowri, Ph.D. (IIT Madras)

Department of Computer Engineering

Professors:

K. Chandrasekaran, Ph.D. (J.N.T.U.)

Associate Professor

K. Vinayakumar, Ph.D.
Shanthi Thilagam, Ph.D. (NITK)
Vani M., M.Tech. (NITK, Surathkal)
Annappa, Ph.D (NITK, Surathkal) HOD

Assistant Professor:

Alwyn Roshan Pais, M.Tech. (IIT., Bombay)
Saumya A. Hegde, M.Tech. (NITK)
B.R. Chandavarkar, M.Tech. (VTU, Belgaum)
Mahendra Patap Singh, M.Tech. (Karunya University) – on QIP IIT, Kharagpur
Shashidhar G Koolagudi, Ph.D. (IIT Kharagpur)
Jeny Rajan, Ph.D. (University of Antwerpen, Belgium)
Ravindranath Chowdhary, Ph.D. (IIT, Madras)

Department of Chemistry

Professors:

A. Nityananda Shetty, Ph.D. (Mangalore Univ.)
A. Vasudeva Adhikari, Ph.D. (Karnatak Univ.)
A. Chitharanjan Hegde, Ph.D. (Mangalore Univ.) HOD
B. Ramachandra Bhat, Ph.D. (Mangalore Univ.)
Krishna Bhat, Ph.D. (Mangalore Univ.)

Associate Professors:

Arun Mohan Isloor, Ph.D. (Mangalore University)

Assistant Professors:

Udaya Kumar D., Ph.D. (NITK, Surathkal)
Darshak R. Bhai Trivedi, Ph.D. (Bhavnagar University)
Sib Sankar Mal, Ph.D. (JUB Germany)

Department of Electronics And Communication Engineering

Professors:

S. Sumam David, Ph.D. (I.I.T. Madras)
Muralidhar Kulkarni, Ph.D. (JMI – New Delhi), HOD till 31.3.2014
M. Shankarnarayan Bhat, Ph.D. (I.I.Sc., Bangalore), HOD from 1.4.2014
John D'Souza, Ph.D. (I.I.T.Kharagpur)
U. Sripathi, Ph.D., (I.I.Sc., Bangalore)

Associate Professors:

M. Ramesh Kini, M.Tech. (Mangalore University)
Neelavar Shekar Shet, Ph.D. (NITK)
Laxminidhi T., Ph.D. (IIT, Madras)

Assistant Professors:

Rekha S., M.Tech. (Mangalore University)
Kalpana G. Bhat, M.E. (BVB Hubli)
Aparna P., Ph.D. (NITK)
Joseph Antony A., M.E. (Anna Univ., Chennai)- on EOL for Ph.D.
B. Nagavel, M.E., (Jadavpur University) on QIP at IIT Kharagpur
Krishna Moorthy K., M.E. (Anna Univ., Chennai)
Deepu Vijayasanen, Ph.D. (EPFT, Swizerland)
Prashantha Kumar H, Ph.D. (NITK)
M R Arulalan, Ph.D. (IISC, Bangalore)
Raghavendra B S, Ph.D. (IISC, Bangalore)
A V Narasimhadhan, Ph.D. (IISc), Bangalore
Pattipatisrihari, Ph.D. (Andhra University)
Shyam Lal, Ph.D. (BIT Ranchi)

Department of Electrical And Electronics Engineering

Professors:

Udayakumar R.Y., Ph.D. (IIT Bombay)
K. Panduranga Vittal, Ph.D. (Mangalore Univ.) HOD till 31.8.2013

Associate Professors:

Jora M. Gonda, M.E. (I.I.Sc. Bangalore) HOD 1.9.2013
Shubhanga K.N., Ph.D. (IIT, Bombay)
K. Rajagopal, M.Tech. (I.I.T. Kharagpur)
Vinatha U., Ph.D. (NITK, Surathkal)
Gururaj S. Punekar, Ph.D. (IIT, Kharagpur)
K. Manjunatha Sharma, Ph.D. (NITK)
Ashwini Chaturvedi, Ph.D. (MUM Malaysia)

Assistant Professor :

Iddya Raghavendra Rao M.Tech. (Mangalore Univ.)
Nagendrappa H., M.Tech. (N.I.T.K.), QIP Deputation
Dattatraya N. Goankar, Ph.D. (IIT, Roorkee)
Tukaram Moger, M.Tech. (IIT, Kanpur) on QIP at IISC, Bangalore
Parthiban, Ph.D. (IIT, Roorkee)
Debashisha Jena, Ph.D. (NIT Rourkela)
Girisha Navada, M.Tech. (University of Calicut)
Karthikeyan, Ph.D. (NIT, Thiruchirapalli)
R Kalpana S, Ph.D. (IIT, New Delhi)

Department of Humanities, Social Sciences & Management

Professor

A.H. Sequeira, Ph.D., (Mysore University)
K.B.Kiran, Ph.D. (Mangalore Univ.)

Associate Professor:

Shashikantha K., Ph.D. (University of Hyderabad) HOD

Assistant Professor:

Bijuna C. Mohan, Ph.D. (NITK, Surathkal)
Rashmi Uchil, Ph.D. (NITK, Surathkal)
Sunil Cyprian Dsouza, Ph.D., (NITK)
Suprabha K. R, Ph.D., (VTU)
Rajesh Acharya H, Ph.D., (University of Hyderabad)
Gopalakrishna B V, Ph.D., (University of Mysore)
S. Pavan Kumar, Ph.D., (IIT Kharagpur)
Sheena, Ph.D., (University of Calicut)
Dhishna P, Ph.D., (University of Pandichery)
Sreejith A, Ph.D. (IIT, New Delhi)
Savita Bhat, Ph.D. (IIT, Bombay)

Department of Information Technology

Professor:

Ananthanarayana V.S., Ph.D. (I.I.Sc. Bangalore) HOD
G. Ram Mohan Reddy, Ph.D. (UNIE, U.K.)

Assistant Professor:

Dinesh Naik, M.Tech. (VTU, Belgaum)
Geetha V., M.Tech. (VTU, Belgaum)
Biju R. Mohan, M.Tech. (Pondichery University)
Sowmya Kamath S., M.Tech. (MIT, Manipal)
Jaidhav C D, Ph.D. (NIT, Tiruchirapalli)
Nagamma Patil, Ph.D. (IIT, Roorkee)

***Department of Mathematical & Computational Sciences
Professors:***

Keshava Prasad Halemane, Ph.D. (Carnegie-Mellon Univ. U.S.A.)
Robert John D'Souza, Ph.D. (I.I.T. Delhi)
A. Kandaswamy, Ph.D. (I.I.T. Bombay)
Suresh M. Hegde, Ph.D. (Delhi Univ.)
Santhosh George, Ph.D. (Goa University)
Murulidhar N.N., Ph.D. (I.I.T. Bombay) HOD

Associate Professors:

Shyam Srinivas Kamath, Ph.D. (Karnataka Univ.)
B.R. Shankar, Ph.D. (I.I.Sc., Bangalore)
Sujatha D. Achar, M.Sc. (Karnatak Univ.)
R. Madhusudhan., Ph.D. (IIT, Roorkee)

Assistant Professors:

D. Pushparaj Shetty, M.E.
Vivek Sinha, Ph.D (IIT, Bombay)
V. Murugan, Ph.D. (IIT, Madras)
P. Sam Johnson, Ph.D. (Alagappa University)
Jidesh P., M.Tech. (University of Kerala)
Satyanarayana Engu, Ph.D., (IIT Madras)
Vishwanath Kadaba Puttanna, Ph.D., (NITK)
Chandhini G, Ph.D. (IIT, Madras)
Jayaraman, Ph.D. ((IIT, Madras)
Srinivasa Rao Kola, Ph.D. (IIT, Kharagpur)
A Senthil Thilak, Ph.D. (NIT, Tiruchirappalli)

***Department of Mechanical Engineering
Professors:***

K.K. Appu Kuttan, Ph.D (I.I.T. Madras) on deputation to MANIT, Bhopal as Director from 27.9.2011
P. Mohanan, Ph.D. (I.I.T. Delhi)
T.P. Ashok Babu, Ph.D. (I.I.T. Delhi)
G.C. Mohan Kumar, Ph.D. (IIT, Chennai)
H. Suresh Hebbar, Ph.D. (I.I.T. Delhi)
Prasad Krishna, Ph.D., (Univ. of Michigan, Ann Arbor, USA) HOD
Satyabodh M Kulkarni, Ph.D. (I.I.Sc., Bangalore)
Gangadharan K.V., Ph.D. (I.I.T., Madras)
Ravi Kiran Kadoli, Ph.D. (IIT, Madras)
Vijay Desai, M.E. (Ph.D. NITK)
Narendranath S., Ph.D. (IIT, Kharagpur)

Associate professors

Y. Suresh Kumar, M.E. (Mysore Univ.)
Srikantha M., Ph.D. (NITK)
S.M. Murigendrappa, Ph.D. (I.I.T., Bombay)

Assistant Professors

Mohiyuddin Masood, M.Tech. (I.I.T. Madras), expired on 12.11.2013
Mervin A. Herbert, Ph.D. (I.I.T., Kharagpur)
Vasudeva M., M.Tech. (I.I.T. Bombay)
Guruprasad K.R., Ph.D. (I.I.Sc., Bangalore)
Kumar G.N., Ph.D. (IIT, Delhi)
Shivananda Nayak H., M.Tech. (Mangalore University)
Veersetty Gumtapure, M.Tech. (I.I.T., Madras)
Navin Karanth P., Ph.D. (NITK)
Subhaschandra Kattimani, M.Tech., (QIP at IIT Kharagpur)
Sudhakar Jambagi, M.Tech. (QIP at IIT Kharagpur)
Vijay Kumar H, M.Tech. (QIP IIT Bombay)
Ajay Kumar Yadav, Ph.D. (I.I.T. Kharagpur)
D. Chakradhar, Ph.D., (NIT Warangal)
Jeyaraj P, Ph.D., (IIT Madras)
Hemantha Kumar, Ph.D., (IIT, Madras)
Ramesh M.R, Ph.D., (IIT, Roorkee)
Sathyabhama A., Ph.D., (NITK)
Srikamath Bontha, Ph.D. (Wnight State)
Arun M, Ph.D. (University of Greenwich, London, UK)
Anish S, Ph.D. (IIT, Madras)
Mrityunjay R. Doddamani, Ph.D. (NITK, Surathkal)
N. Gnanasekaran, Ph.D. (IIT, Madras)

***Department of Mining Engineering
Professors:***

V. Rama Sastry, Ph.D. (B.H.U. Varanasi)
C.H. Suryanarayana Murthy, Ph.D. (IIT Kharagpur)
M. Govinda Raj, Ph.D. (Mangalore University)

Associate Professor:

Harsha Vardhan, Ph.D. (Indian School of Mines Dhanbad)
M. Aruna, B.E. Ph.D. (University of Dhanbad) HOD

Assistant Professor:

K. Ramachander, Ph.D. (NITK)
Anup Kumar Tripathi, Ph.D. (University of Kentucky, Lexington, USA)
Ram Prasad Choudhary, Ph.D. (JNU, Jodhpur)
Bijay Mihir, Ph.D. (IIT, Kharagpur)

Department Of Metallurgical & Materials Engineering

Professors:

K. Rajendra Udupa, Ph.D. (I.I.Sc. Bangalore)
A.O. Surendranathan, Ph.D. (Mangalore University)
K. Narayana Prabhu, Ph.D. (Mangalore Univ.)HOD
Jagannatha Nayak, Ph.D. (NITK) HOD from 20.4.2014

Associate Professor:

P. Laxshminarayana Reddy, Ph.D. (I.I.T. Bombay)
Udaya Bhat, Ph.D. (I.I.Sc., Bangalore)
Anandan Srinivasan, Ph.D. (I.I.T., Kharagpur)

Assistant Professor:

Shashi Bhushan Arya, Ph.D. (IIT, Bombay)
Ravishankar K.S., Ph.D. (NITK)
Mohammad Rizwanur Rahman, Ph.D., (Keio University, Japan)
Sreeram K. Kalpathy, Ph.D., (University of Minnesota)
Subray R. Hegde, Ph.D. (University of Canada)
Preetham Kumar G V, Ph.D. (IIT, Madras)

Department of Physics

Professor:

G.K. Shivakumar, Ph.D. (Sardar Patel Univ., Gujarat)
G. Umesh, Ph.D. (I.I.T. - Delhi) on deputation (CUK)
Kasturi V Bangera, Ph.D. (Mangalore Univ.)
H.D. Shashikala Ph.D (Osmania Univ.)
Udayashankar N.K., Ph.D. (I.I.Sc. Bangalore) HOD

Associate Professor:

M.N. Satyanarayan, Ph.D. (I.I.Sc., Bangalore)

Assistant Professors:

Nagaraj H.S., Ph.D. (Mangalore University)
Ajith K. Madam, Ph.D. (University of Hyderabad)
Partha Pratim Das, Ph.D. (University of Cincinnati)
Deepak Vaid, Ph.D. (USA)

ADMINISTRATIVE AND OTHER STAFF

Registrar i/c:

Ravindranath K., M.A. (Mangalore University)

Assistant Registrars

Kamlabh Kumar Singh, (M.Sc.,M.S., MBA), 1.7.2013
Soumen Karmakar, (MBA), 8.7.2013
Bansod Pritam Ramesh, (M.Com, MBA) 10.3.2014
Gaurav Chowdhury, (MBA), 11.3.2014

Deputy Registrar (Accounts):

Ram Mohan Y, M.Com. (Mysore), LL.B. (Mangalore University)
Chandra Shekara Shetty, Internal Audit Officer on contract basis from 17.10.2007

Resident Engineer:

Shashidhar Shetty, on deputation from KPW

Resident Medical Officers :

Dr. B. Srimathi, M.B.B.S. (Mysore Univ.)

Medical Officer :

Dr. M.L. Balabhaskara

Dr. Sulochana Nayak – on contract

Chief Warden Hostel:

Udaya Kumar R Y, Ph.D. till 31.3.2014

Narendranath S, Ph.D. from 1.4.2014

2 NITK ENGG. COYN.C.C. Officer Commanding:

Col. MG HS Rajan

Associated NCC Officer Incharge (ANO):

P Sam Johnson, Ph.D.

Watch and Ward Officer:

Manohar Karanth

Chief Vigilance Officer:

M C Narasimhan, Ph.D. till 28.1.2014

K Rajendra Udupa, Ph.D. from 24.2.2014

Central Public Information Officer (CPIO):

K. Ravindranath, Dy. Registrar (Academic)

OTHER SECTIONS

Department of Training & Placement

Professor:

R Shivashankar, Ph.D. till 31.3.2014

Lakshman N, Ph.D. from 1.4.2014

Industry Institute Partnership Cell

Professor I/c.:

Full Time Officer:

G S Dwarakish, Ph.D.

SC/ST Cell

B Raj Mohan, Ph.D. till 15.5.2013

B M Doddamani, Ph.D. from 16.5.2013

National Institute of Technology Karnataka, Surathkal

Physical Education

Physical Director:

Vacant

Assistant Physical Director Sr. Scale:

A. Shivaram, M.P.Ed. (Mangalore Univ.) (I/c. Physical Director)

SAS Officer

Hem Prasad Nath, Ph.D.(Nagpur University) from 11.3.2014

Library

Librarian:

Vacant from 17.5.2011

Asst. Librarian:

Anasuya Chakari, M.A. M.Lib.Sc. (Karnataka University) Library Incharge from 17.5.2011
Iranna M Shettar (M.Lisc., M. Phil) 26.3.2014

Central Computer Centre

Chairman / System Manager:

P.G. Mohanan, M.Tech. (Cochin Univ.)

Scientific Officer:

Vijayakumar Ghode, B.E. (Gulbarga Univ.)

NITK - Science & Technology Entrepreneurs' Park

Director:

Suresh Bhat, B.E., M.B.A., P.G.D.C.A.

R&D Centre on Clay Roofing Tiles

Faculty Incharge:

K Chandrasekaran, Ph.D. from 1.4.2014

NTMIS - Nodal Centre - Karnataka State

Project Officer I/c.:

B M Doddamani, Ph.D.

Research Associate:

Vacant

Computer Programmer Cum Operator:

Arun Kumar Shetty B., B.C.A., M.CA, A.D.C.A, D.C.Sc.

**Centre for Continuing Education
Chairman**

K.S. Babunaryan, Ph.D. till 31.3.2014

S M Hegde, Ph.D., from 1.4.2014

**Dakshina Kannada Nirmithi Kendra
Cordinator:**

K.S Babu Narayan, Ph.D.

Project Manager:

Kalbavi Rajendra Rao, B.E. (Mangalore Univ.)

NON-ACADEMIC STAFF (NON-TEACHING)

Sl.No	Name of the Posts	In Position as on 31-03-2014
1	Dy.Registrar(Academic)	1
2	Dy. Registrar (A/C's)	1
3	Medical Officer	2
4	Scientific Officer	1
5	Assistant Librarian	2
6	SAS Officer	1
7	Asst. Registrar	4
8	Asst.Selection Grade-II	7
9	Junior Assistant	39
10	Senior Assistant	1
11	Senior Stenographer	4
12	Superintendent	7
13	Executive Engineer	3
14	Assistant Engineer/Sr Technical Asst/Sr. SAS Asst.	22
15	Junior Engineer/Technical Assistant/SAS Asst	20
16	Sr.Technician/Sr.Works Asst/Sr Laboratory Asst.	16
17	Works Asst/Technician/Laboratory Assistant	6
18	Works Asst.(SG Ii) Tech Asst SG-II/Lab Asst SG-II)	2
19	Senior Attendant	26
20	Attendant/Mali/Security Guard(Higher Scale)	40
Total		205

11.0 FACILITIES/AMENITIES

11.1 Hostels

The Institute reopened on 23/07/2013 for Under-graduate and Post-graduate studies as per Academic Calendar for the year 2013-14. All the students including foreign students are accommodated in the hostels as follows:

Course	Male	Female	Total No.of Hostellers
Undergraduate Programmes	2665	473	3138
Postgraduate Programmes (M.Tech)	647	217	864
Ph.D.	144	42	186
M.B.A	57	12	69
M.Sc.	28	42	70
MCA	205	59	264
Total	3746	845	4591

Male students are accommodated in Eleven Hostel Blocks. First year UG students have been accommodated in I Block, II Block and VII Block Hostels. Second year UG students have been accommodated in III Block, IV Block and V Block Hostels. Third and Fourth UG students have been accommodated in Mega Hostels. PG students have been accommodated in PG Block, V Block, VII block, VIII Block and Mega Hostel Blocks and PhD students have been accommodated in VII Block Hostel and Mega Hostel block. There are four hostels for Lady Students with total accommodation capacity is 794 Nos.

Nine messes of different types are provided in the boys hostels with necessary infrastructure to cater to the different food habits of the students drawn from all parts of the country. The girls hostel has a separate mess. The messes are run with active participation of the elected Mess Managers in preparation of the menu and management of the messes. The average mess bill rate per day for the month of March 2014 is as follows:

1. I Block Mess	Rs.1728.00
2. II Block Mess	Rs.1728.00
3. III Block Mess	Rs.1728.00
4. IV Block Mess	Rs.2035.00
5. V Block Mess	Rs.1728.00
6. VII Block Mess	Rs.1728.00
7. VIII Block Mess	Rs.1728.00
8. PG Block Mess	Rs.1728.00
9. Mega Hostel Mess	Rs.1728.00
10. GH Mess	Rs.1643.00
11. IH Mess (New Girls Hostel Mess)	Rs.1643.00

Reading room in the Hostel is provided with books and periodicals of different languages. This section is managed by a separate elected students Committee. The Recreation Committee constituted by election, looks after the sports activities of the residents of the hostels and provides indoor game facilities. Reading Room and Recreation committee have done their job in a commendable manner. A separate section of the reading Room has been functioning in the IV Block. The Cable TV facility existing in the campus has been extended to all the hostels. Ladies hostel has been provided with 10 terminals connected to Central Computer Centre with Internet Facility and all the Hostel Rooms (Boys and Girls) have connected with Internet facilities.

During the year under report, Medical Relief to the tune of Rs.23,095/- has been sanctioned to students of the hostel blocks as per the recommendation of the Block Warden and Institute Resident Medical Officers, for their hospitalization in nearby Surathkal / Mangalore hospitals for treatment. This amount is met out of the fund created under "Self Sustaining Medicare Scheme" which is created by collecting Rs.35/- per student per semester.

Students advisory Committee constituted block-wise to encourage interaction between the Wardens and students. To improve the accounting process, computerization of accounts have already been initiated. The accounts of the hostels are audited by a Chartered Accountant. Prof. Narendranath S. is working as a Professor in-charge Hostel Affairs NITK Hostels.

Presently, the following faculty members their services as wardens in different Hostel Blocks as mentioned against their names:

Narendranath S.	- Professor in-charge Hostel Affairs
Vasudeva M.	- Warden (Finance)
Basavaraju Manu	- Warden, I Hostel Block
I. Raghupathi	- Warden, II Hostel Block
Arun M. Isloor	- Warden, III Hostel Block
Merwin A. Herbert	- Warden, IV Hostel Block
Kumar G. N.	- Warden, V Hostel Block
Biju R. Mohan	- Warden, PG Hostel Block
Nagaraja H. S.	- Warden, VII Hostel Block
B. M. Dodamani	- Warden, VIII Hostel Block
Debashisha Jena	- Warden, Mega Hostel Tower II
Ajith K. M.	- Warden, Mega Hostel Tower I
Sunil B.M.	- Warden, Mega Hostel Tower III
Aruna M.	- Warden, Mega Hostel Tower III
K. Ram Chandar	- Warden, Mega Hostel Tower I
Bijuna C. Mohan	- Warden, Girls Hostel Block

Prof. Swapan Bhattacharya, NITK, Director is Ex-officio President of NITKS Hostels. Being the President for hostels guidance is given to the Council of Wardens for the smooth administration and function of the hostel activities.

During the year under report, students, staff and all concerned with hostel administration co-operated excellently so that the year under report was smooth and incident free.

11.2 CENTRAL COMPUTER CENTRE

NITK has a campus wide Network spanning the entire campus – academic buildings guest houses, student hostels and campus residences. Each department has its own LANs connected to this network. These LANs have adequate number of computers to cater to the needs of the department. In addition, two LANs are provided in the CCC which are accessible after the office hours and on weekends. The campus network uses 12 crore optical fiber cabling for inter building connectivity with 1 GPBS speed depending on the no. of computers in the end-point LAN. Intra departmental and Hostel LANs are fast Ethernet (100 Mbps). Residences are as a DSL (broad band) network with ADSL2 technology is expanded to include more residences. The Institute has 24×7 Internet connectivity. The journals subscribed through INDEST consortium are available throughout the campus LAN. The Institute's network operations and data centre are in CCC. These are kept functioning round the clock. The server capacity of the date centre is expanded to support the additional demands. The Institute is part of National Knowledge Network (NKN). The Insitute hosts the NPTEL video and text lessons in its service for the Campus Network. The present bandwidth is 1 GBPS to NKN and 155 Mbps to BSNL, both shared by the entire campus LAN.

11.3 LIBRARY

The Institute has a modern Central Library and continues to offer automated library services to its clientele. This Library functions as an important and vital component of the Institute information systems. Located centrally in the main building area of the Campus and it can accommodate more than 500 students/users at a time. The collection of books is 1,29,531 including Book-Bank books, subscribes 411 journals for all the disciplines. We have access to 2000 plus online Journals through INDEST. This year we have purchased 420 online full text journals from Taylor & Francis Database Vendors. The total area is 2758.56sq. meters including the extended floors as an additional space for reading hall.

Genesis and Growth:

NITK Central Library established in the year 1960 is provided with modern facilities and offers automated library services to its clientele comprising of about 6000 users namely undergraduate and postgraduate students, research scholars, faculty members and supporting staff of various departments of the institute. NITK library also gives the facility of institution membership to educational institutes and industries located in and around Mangalore. This Library is located in an independent building with a carpet area of 2759 sq meters in the centre of the Campus and it can accommodate more than 500 students/users at a time. At present, the library has a collection of around 1,28,888 books besides subscribing to around 411 National and International Journals.

Infrastructure:

The Library day-to-day operations are automated and issue and return of all the books are done through computers. The computer terminals provided at the counter near entrance and can be used to gain information regarding status of any document and other particulars of any book/collection. The Library activities have been computerized using the LIBSYS software. A bar coded system of issue and returning books is currently in use.

Library Automation Programme:

The Library Automation Programme is completed. The details of books available in this Library are stored in the computer. The information about the document can be retrieved in the Library. User can search the book by Author, Title, and Call Nos. or by part of the title and subject. Circulation of books is computerized and circulation is done by BARCODE System. LIBSYS Library Automation software was introduced in October 1998. At present 12 terminals are on use for Students and Staff. To access the information, we are using Libsys Version 7. Up-to-date information about Books, Periodicals, and Back Volumes of periodicals are available on OPAC in the computer. All computers are under LAN System.

On-line Services:

- a. Library is a member of "Indian National Digital Library in Science and Technology (INDEST)". It provides full text resources like IEL online, Science Direct, Springer Verlag, Nature, Indian Standards of all branches of Engineering, Engineering index etc.
- b. Member of DELNET (Developing Library Network). It provides resource sharing among member libraries and inter library loan facility.
- c. Library is a member of NIT – Consortium. It subscribes full text resources of Science Direct, IEL online, Springer Verlag, ACM, ASTM Journals, Taylor & Francis and Royal Society of Chemistry, etc. e-journals.

Digital Library:

A separate "Digital Library" unit has been established under funding from TEQIP Phase-I with resources being shared with other NIT's, IIT's and industries. The Digital Library is exclusively used for the online access of E-Journals and other E-Resources provided by the Indian National Digital Library in Engineering Science and Technology Consortium (INDEST-AICTE consortium).

Some of the services available in the Digital Library are:

- ❖ Collection and Development of Library materials in Digital Form.
- ❖ On-line search for books using on-line public access catalogue (OPAC).
- ❖ On-line Electronic Journal Access through INDEST consortium.
- ❖ CD ROM server with reference materials like Encyclopedias, Engineering Index, Hand books.
- ❖ Technical reports of Bureau of Indian Standard (BIS) in Digital Form.
- ❖ E-printing of Research publications of the Institute.
- ❖ Online Access (LINKS) to other Libraries (IITs NITs DELNET, etc.).
- ❖ Suitable infrastructures to use the digital sources of information.
- ❖ INTRANET and INTERNET Service

Book-Bank:

General Book-Bank for all students consists of multiple copies of textbooks. The books are lent to all students for home reading for 30 days. Every year multiple copies are added to the Book-Bank. In addition to this, there is a separate Book-Bank facility for SC/ST students also. There are 30,049 books available in all branches in Book-Banks of this Library. Automation of Book-Bank book is completed and the circulation of books is being done by using BARCODE System.

Special collection for SC/ST students - Students can borrow up to 5 books from Book-Bank for a period of one semester. The Library issues a circular in the beginning of every semester and the eligible students may apply to avail as per the schedule announced by the Library.

The following facilities have already been introduced in the Library:

- Library Automation Programme
- CD-ROM and Online Service
- Reprographic Units
- Digital Library
- Book-Bank
- Networking of Library Services
- Link other libraries (NIT, IIT libraries)
- Member of DELNET and INDEST
- Internet Services

Borrowing Privileges and Renewal:

User Types	Items	Period of loan
Teaching Faculty	15 books	1 semester
Research Scholars	5 books	1 semester
UG/PG students	6 books	30 days
Supporting Staff	4 books	30 days
Industries	5 books	30 days

Books may be renewed for further period provided no other reader has reserved for the book. The renewal request should come, before the expiry of due date. No more than three consecutive renewals shall be allowed. Librarian in the interest of the library service can demand the return of any library materials from any user before expiring the due date. Students have to return the books on or before the due date. A fine of Rs.0.50 per book per day will be levied, if the books are not returned within the expiry date.

Services provided by the Library:

- Open Access System
- New arrivals list
- News paper clipping display
- Selective dissemination of information and current awareness service (SDI and CAS)
- Book-Bank facility
- Digital Library
- Inter library loan of books
- Reprographic services
- On-line public access catalogues
- CD-Rom data base access
- Compilation of bibliography on selected topics
- Practical and Apprenticeship training for diploma and degree student of Library and Information Science
- On-Line information retrieval through DELNET
- E-journals through INDEST Consortium.

Other Activities:

- a. For fresher of U.G. and P.G. courses, Library conducted orientation classes in the beginning of the academic year.
- b. The Library is publishing list of "New Arrivals" Bimonthly & sending the same to all Faculty members through e-mail.
- c. The Library provides practical training to the Diploma students of Library Science from the Government Polytechnic for Women, Mangalore and Apprentice Training programme is also conducting.
- d. Library is also providing the SDI Service (Selective Dissemination of Information) on the various on-going Research Projects sponsored by the NITK, D.S.T., C.S.I.R. and other Research Organization etc. Under-Graduates, Post-Graduates and Research Scholars are also making use of these services for their project works. Seminars and Information Retrieval Services by using Computer.
- e. Services to Industries, Educational Institutions, Government Establishments, the neighboring Govt. Departments, Educational Institutions and Industries are using this Library services quite often.

- f. Membership fee Rs.1,000/- per card and maximum of Rs.5,000/- (5 cards) introduced to the industries and several industries are members to this Library.
- g. The Library has an Inter Library Loan facility with leading Institutions and G.O.I. Establishment.
- h. Member of National Information Center for Machine Tools and Production Engineering (NICMAP), CMTI, Bangalore.

11.4 National Technical Manpower Information System Nodal Centre For Karnataka State

The National Technical Manpower Information System (NTMIS) is a scheme under the Ministry of Human Resources Development (MHRD) set-up in the Year 1983 with a view to generate and maintain an up-to-date data bank for the purposes of providing reliable information for better planning and management of technical education. The Nodal Centre for Karnataka State was set-up at NITK, Surathkal and has been functioning since 1986. At present, the NTMIS functions under the control of AICTE with a separate budget. The Lead Centre of the NTMIS located at Institute of Applied Manpower Research (IAMR), New Delhi provides guidance to all the 20 Nodal Centres spread all over the country including four Regional Board of Apprenticeship Training (BOATs).

The Nodal Centre for Karnataka state collects vital information from two important segments. The first segment is from all Engg. (PG, Degree & Diploma), MCA, Management (PG), HMCT (Degree) and Pharmacy (PG, Degree & Diploma) institutes covering AICTE approved colleges of Karnataka state. The other is from the passed-out students from aforesaid institutions through a prescribed survey questionnaire. The data collected from the above sources are compiled, validated, processed, analyzed and the information is published each year in the form of Annual Technical Manpower Review (ATMR) report.

Nodal Centre supports the NTMIS to publish 'Technical Manpower Profiles' on all India basis by Institute of Applied Manpower Research (IAMR).

The system has been serving various stakeholders like education planners, ministry of human Resources Development, Planning Commission, State Governments, Industries, Parents and Students for nearly 3 decades.

The Nodal Centre is functioning with the able direction of Director, NITK as Head of the Nodal Centre, Project Officer, Research Associate, Computer Operator cum Programmer, Personal Assistant and Field Investigators. The sponsors of the scheme have provided necessary computing and communication facilities for an effective functioning of the centre.

11.5 LABORATORIES

Department of Applied Mechanics and Hydraulics

Name of the lab.	Major equipments/facilities
Hydraulics Laboratory	Flow Measuring Units Pumps , Water meters Calibration Devices Hydraulic Machines Pressure Gauges Valves Tilting flume Pipe bursting unit Ultrasound flow meter Basic Hydrology Unit
Strength of Materials Laboratory	U.T.M 5 T, 40 T, 100 T, 200 T (Electronic) Hardness Testing M/c Torsion Testing M/c
Marine – Geotechnical Laboratory	Triaxial Apparatus Marine Soil Investigation Consolidation Apparatus Direct Shear Apparatus Photo Elastic Bench Corrosion Measurement Voltage system
Wave Mechanics Laboratory	Regular Wave Flume [50 X 0.71 X 1.1 m] – 2 No.s Digital Storage Oscilloscope with software Wave probe with software
Hydraulic measurement Laboratory	Ultrasonic Testing Kit Pen Type pH meter TDS meter Electronic Balance Conductivity meter Turbidity meter Spectrophotometer
Remote Sensing & GIS Laboratory	Computer systems : 20 No.s Printer, scanner Procom –II Stereoscopes Ground truth Radiometer Digital Planimeters Aerial & Satellite Photographs ARCPAD GPS Softwares : ENVI, ERDAS- Imagine, PC ARCINFO Master Lab. Kit , Geomedia Professional.
Computer Laboratory	Computer systems : 15 No.s Laser printer

Department of Chemical Engineering

Name of Laboratory	Major Equipment/Facilities
Chemical Reaction Engineering & Process Control & Simulation Laboratory	High Pressure high temperature gas liquid phase reactor
Heat Transfer Lab	Air compressor - TS07120HN / 220lit & 500 ltr., Respirable dust sampler APM460BL & Thermoelectrically cooled gaseous sampling, Shell and Tube Heat Exchanger, Electrically Heated Boiler, Spray Tower, Parallel Flow / Counter Flow / Double Pipe Heat exchanger, Pool Boiling Heat Transfer Apparatus, Forced Convection Heat Transfer, Natural Convection Heat Transfer, Stefan boltzman apparatus, Thermal conductivity of insulating Powders, Horizontal Condenser & Vertical Condenser Steam, P.M 2.5 /10 Micron Fine Dust sampler, Quartz Immersion reactor, Air pre heater, Nitrate Analyser, Bench top Fermentor, Peristaltic pump with digital Display, Eddy Current Drive with Brake, Ozone Analyser, pyrolysis Plant, Stirred Cell Membrane Unit
Particulate Technology lab.	ozone Generator-L4g,
Momentum Transfer Lab	Micro Wave Ashing System,
Mass Transfer Lab	Liquid Extraction in Packed Bed, Vertical Tube Evaporator, Packed Distillation Column, Absorption in Packed Tower, Fluidized Bed Dryer (With air circulation), Wetted Wall Column (with air circulation), Batch Crystallizer, Forced Draft Tray Dryer,
Testing and consultancy/Technical analysis Lab	Ozone Generator, Ozone analyser, High temperature gas-liquid phase reactor UV-VIS Spectrophotometer, Gas chromatograph, B.O.D. Incubator, C.O.D. Digester, Microscope, Iso-kinetic Stack Monitoring kit, Digital nephelometer (turbidity meter), High Pressure high Flow Gas Purification & Control panel Zero air, H ₂ , He & N ₂ , Air compressor, Respirable dust sampler. PM 2.5 analyser; Bench top Fermentor; Micro balance 5g, Rotary shaker -Lead; Refrigerated High Speed Centrifuge; Flue gas analyser; Incubating Orbital Shaker; DO Meter; Ultra Sonic Water Bath; Digital microscope
Advance Instrumentation Lab	HPLC, GC-MS, Nanodrop Spectrophotometer, Atomic absorption spectrophotometer with Graphite Furnace and hydride generator, Compound Microscope, TOC analyser, Program Temperature Control System, Electrochemical Workstation, cell, carbon electrode, DO Probe & DO Transmitter, CO ₂ Incubator, Water purification ultra sys, Deep freezer, Microwave Digestion unit, Lyophilizer, Gel Electrophoresis, Gel Documentation, Bioreactors (3 ltr., 5 ltr. & 14 ltrs) with variable volume fixtures and magnetic stirrer system, TG-DTA 6300(Thermo gravimetric Analyser), Incubator LT Electronic, Incubator LE Refrigerated, ozone Generator-L4g, Eppendorf Centrifuge, High Pressure, Micro controlled Spectrophotometer, Ion Chromatography; Horizontal laminar flow work station; Membrane Testing system; Distillation Unit; Incubating Orbital Shaker;

Industrial Biotechnology Lab	Biosafety Cabinet, CO2 Incubator, Incubator - Electronic orbitek LT, Incubator - Electronic orbitek Refrigerated LE, Microwave Oven, Laboratory Centrifuge, Infra -red TN Turbidity Meter, Autoclave (vertical), Micro controlled Spectrophoto meter, UV VIS Spectrometer, Cryostat bath, Deep freezer,
Environmental Immunology Laboratory	Ultra Sonic Water Bath, Deep freezer 2 nos ups 2kva, PM 2.5 mini volume sampler, Co2 Incubator, Refrigerated Centrifuge, High volume sampler, Micro plate reader, Meteorological Station, mini autoclave, ppendrof Centrifuge, Trinocular inverted microscope,
Project/Research lab.	RTC Basic Magnetic Stirrer, Eppendorf Centrifuge, Refrigerated Centrifuge, Refrigerated Heating Bath Circulator, Homogenizer, Digital Refractometer, Surface Tension analyser, Temperature Controlled controlled digital density meter, High Speed Refrigerated Centrifuge, Muffle furnace, Static Mixure, Bacterial incubator. Horizontal laminar flow work station, Dry Bath with Heating Block Membrane Testing system , Rotary shaker –Lead, Distillation Unit, Micro centrifuge Spinwin MC-02, Incubating Orbital Shaker 2 Nos., Biological safety Cabinet, Rotating Disc Counter, ELCD Detector, Digital Viscometer, 6 stage Microbial Impactor, Eppendorf Centrifuge, Dosing pump with Pump head.
Fermentation lab.	Table top high speed cooling centrifuge,
Departmental Computer Lab.	Dell / HP Computers, Software- Design Expert 8 Standalone perpetual & Academic Licence, Physical CD (DVD Media Kit), UNISIM software for Design, ANSYS Academic Research CPD Software Version 14.5 Latest,

Department of Civil Engineering

Name of Laboratory	Major Equipment/Facilities
Civil Engineering Material Testing Laboratory	3000 kN Compression Testing Machine Vee-Bee Test Apparatus, Rebound Hammer, Los Angeles Testing Machine
Earthquake Engineering Laboratory	Mini Shake Table, Accelerometers with data acquisition system, Miniature form of Soil-Structure Interaction Study system.
Environmental Engineering Laboratory	Photometer, Voltmeter-Spectro UV HPCL, Ion selective electrode meter, Kjeldahl nitrogen distillation apparatus, Flame Photometer.
Geotechnical Laboratory	Tri-axial loading facility, Rock cutting facility, Nuclear Density Gauge, Permeability Test apparatus.
Transportation Engineering Laboratory	50 kN and 20 kN Fatigue Testing Machines, Gyrotory Compactor, Brookfield Rotational Viscometer, Immersion Wheel Tracking Device, Modified Marshall Test Setup, Pavement Core Drilling Device, Portable Pendulum Type Skid Resistance Tester, Portable Axle Load Weighing Pads, Portable Falling weight deflectometer, Ground Probing Radar, Mini ROMDAS, Asphalt Mixers of Capacity 5 litre and 20 litre capacity. Asphalt Theoretical Density Tester.
Structures Laboratory	In-situ Ion Migration Tester, Muffle Furnace, Flexural loading system., Compression Testing Machine, Loading Frames, RCPT Test Apparatus, Corrosion Monitoring Unit
Survey Stores	Total Station

Department of Computer Engineering

Name of Laboratory	Major Equipment/Facilities
Core Computing Lab	Brand: Lenovo, Lenovo Thinkcentre, Intel Dual Core 3GHZ, 1GB RAM, 140 GB HDD, 17" TFT Monitor. OS: Windows XP/Ubuntu Linux, Number of Systems: 45, Used for conducting regular UG Lab classes.
Software Engineering Lab	Brand: Dell Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS, Number of Systems: 32, Used for conducting regular UG Lab classes.
Intel E-commerce & Internet Technology Lab	Brand: Acer, Intel Core i5 750, 8MB L2 Cache, 4GB RAM, 500 GB SATA HDD, 19" wide TFT monitor with Windows 7 Professional, Number of Systems: 20, Used for conducting regular UG Lab classes.
Research Lab	Brand: Dell, Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS, Number of Systems: 10, Ph.D./ Research Work
Cloud Computing Lab	Brand: Dell, Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS. Brand: Dell Precision T1650, Intel Core-i7-3770, 3.9 GHz, 8GB DDR3 RAM, NVIDIA Quadro 2000 graphics with 192 CUDA Core, 19" Wide LCD TFT Monitor with Windows 7 Professional/Ubuntu OS, Number of Systems: 13 (10+3), Used for Ph.D./ Research Work.
Distributed Computing Lab	Brand : Acer, Intel Core i5 750, 8MB L2 Cache, 4GB RAM, 500 GB SATA HDD, 19" wide TFT monitor with Windows 7 Professional, Number of Systems: 10, Used for PG/M.Tech.(Research) students for Research work.
Secure Software Systems Lab	Brand: Lenovo Thinkcentre M90, Intel core-i7, 870 2.93GHZ, 4C/8T, 8GB DDR3 RAM, 1TB SATA HDD, 18.5" TFT Monitor, OS: Windows 7 professional/Ubuntu OS. Brand: Lenovo LenovoThinkcentre M90, Intel core-i7, 870 2.93GHZ, 4C/8T, 4GB DDR3 RAM, 500 GB SATA HDD, 18.5" TFT Monitor, OS: Windows 7 professional/Ubuntu OS, Number of Systems: 56(30+26). Used for First year M.Tech (CSE, CSE-IS) students.
Information Security Lab	Brand: Dell Optiplex 9010DT, Intel Core-i7, 3770, 3.4 Ghz, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/ Ubuntu OS, Number of Systems: 30, Used for second year M.Tech.(IS) Project students.
PG Project Lab	Brand: Dell Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS, Number of Systems: 27. Used for second year M.Tech. (CSE) Project Work.

Name of Laboratory	Major Equipment/Facilities
High Performance Computing Lab	Brand: Dell Optiplex 9020MT, 4 th Generation Intel Core i7-4770 quad-core, 16GB DDR3 RAM, 1 TB SATA HDD, DVD RW, NVIDIA GeForce GTX 645, 1 GB Graphics card, 21" wide TFT monitor with Windows 8 Professional, Number of Systems: 13. Used for second year M.Tech.(CSE) Project Work.
Image and Speech Processing Lab	Brand : Lenovo Thinkstation - Workstation, Intel Xeon E5-2650 v2 8 core, 2.6 Ghz upto 3.4 Ghz, 23" wide TFT monitor LED backlight, F&D A521, 2.1 Speakers with Windows 8 Professional with Ubuntu 13.10, Number of Systems: 20. Used for Ph.D./Research Work.
Digital Electronics Lab	Digital IC Trainer Kit, Digital IC Tester and other accessories for UG hardware lab class.
Data Centre/IBM Open Power Lab	<p>1 IBM P-Series Model 9131/52A Open Power Server with HMC Firmware (for Managing Power cycling, Maintenance and other related Administrative activities) installed with various Linux OS. 5 High End IBM Xeon Series Servers with Windows 2000, Windows 2003, Linux, Netware Operating Systems. DELL Power Edge T710 - 1 No.(s) 6 Core Intel Xeon E5645 2.40 Ghz x 2, 12 MB L3 cache, 24 GB DDR3 RAM, 3.0 TB hot swap SAS HDDs, Integrated RAID, DVD RW with Windows Red-Hat Enterprise Server Version 6.0 AE Edition.</p> <p>Brand: DELL Power Edge T720 - 1 No.(s) 6 Core Intel Xeon E5-2640 processor based 2U rack server, 15 MB cache, 64 GB RDIMM RAM, 1TB X 6=6TB HDD RAID5 with 512MB flash SAS, DVD RW, 2 redundant 750W power supply with hot swap, 4X1 GbE with Ubuntu 12.10 Server Edition.</p> <p>Brand: DELL Power Edge R420 – 1 No.(s) 6 Core Intel Xeon E5-2420 processor based rack server, 15MB cache with 32 GB RDIMM, 4X300GB 15K RPM, 6Gbps SAS HDD, PERC H710 integrated RAID controller, Dual Hot plug power supply 550W, Broadcom Gigabit Ethernet dual ports with Windows 2013 Server Edition.</p> <p>Brand: DELL Power Edge R420 – 1 No.(s) 6 Core Intel Xeon E5-2420 processor based rack server, 15 MB cache with 32 GB RDIMM, 4X300GB 15K RPM, 6Gbps SAS HDD, PERC H710 integrated RAID controller, Dual Hot plug power supply 550W, Broadcom Gigabit Ethernet dual ports with Ubuntu 12.10 Server Edition.</p> <p>No. of Servers = 09</p> <p>These servers are used for system Administration and Conducting regular laboratory classes, Project and Research Works.</p>

Department of Chemistry

Name of Laboratory	Major Equipment/Facilities
Sophisticated Instrument Lab	UV-VIS-NIR- S600- Analytikjena Gel Permeation Chromatography CHNS Analyzeer Spectrofluorimeter Differential scanning calorimeter
Single Crystal XRD Lab	Single Crystal XRD Machine, Bruker
Research Labs	Potentiostat/Galvanostat-3

Department of Electrical and Electronics Engineering

Name of Laboratory	Major Equipment/Facilities
High voltage testing laboratory	100kV impulse generator, HV standard capacitor, 5kV Insulation tester, Oil test kit
Electric Machines and Drives laboratory	DSP Based drive control units V/F controls, Machine Design software (Speed, Motorpro), Filed analysis software (MAXWELL 3DFS Rexroth INDRAMAT drive unit with AC servo motors
Power Electronics Laboratory	DSPACE – Rapid prototyping unit, Converter / Inverter modules, Power Device (SCR, IGBT, GTO) modules
Power system Dynamics lab	RMEXPERT, SKM POWER TOOLS, POWERWORLD, EMTDC PSCAD, MATLAB, MATHCAD, 70 Work station grade computers
Virtual Instrumentation lab	NIDAQ systems, PXI1010 units with High Voltage measurement unit, NI-ELVIS Stations, LABVIEW software, dSPACE 32xx rapid prototyping platform
Embedded systems lab	OSEK RTOS, KEIL RTOS, KEIL IDE for 805x, ARM, CODEWARRIOR IDE for 68HCXX, 56F8XX, TI DSC Code Composer Studio for 28XX, MOTOROLA, INTEL, ARM, PIC DSC / MC units
Industrial Automation lab	Distributed Control Systems [YOKOGAWA CS1000], PLC ROCKWELL RSLOGIX5000, ABB RTU232.
Microgrid Laboratory	10 Kw wind solar hybrid system (2 wind turbines of 3.2 Kw each and 3.6 kw photovoltaic system) capable of operating in grid connected and islanding mode of operation with charge controllers and Inverter.
Analog Electronics Laboratory	Comprises of trainer kit based systems to understand linear and nonlinear configuration of Operational amplifier (IC 741) and Timer (IC 555) based circuits.
Digital Electronics Laboratory	Comprises of trainer kit based systems to understand functioning of basic and universal logic gates, Combinational circuits and Sequential circuits
Signals and Systems Laboratory	MathWorks based computational platform to model and characterize the continuous and discrete time signal and system characteristics in time and frequency domain.
DSP Laboratory	On using MathWorks based computational platform to write the code and uses of Simulink to understand the application of signal transformation in Linear and Nonlinear mixing, in typical communication systems such as AM, FM process. Understanding of Phase lock loop (PLL) functioning, Approximation of Ideal filter responses using FIR and IIR filters.

Department of Electronics And Communication Engineering

Name of Laboratory	Major Equipment/Facilities
Analog Electronics Lab	Digital Storage Oscilloscope Function Generator DC Regulated Power Supply Analog/Digital IC Tester
Digital Electronics Lab	Logic Analyzer benchtop 34 Channel Digital Trainer Analog/Digital IC Tester
Integrated Electronics Lab (Research Lab for Ph. D. Students)	HP VA206AV Z200 Workstations Dell Optiplex 755 Workstations Access to all design tools in the other labs
Communication Lab	Digital Storage Oscilloscope Function Generator DC Regulated Power Supply Microwave X band benches Antenna Trainer Outdoor FSO Link Setup (Lightpoint) Wireless Comm Trainer Kits(2 set ups) Workstations LD Driver LD Module PD Module Power Meter Fibre Optic Power Source Optical Fibre Trainer LD Modulator (Transmitter) FORX-200m(Receiver) Fiber Optics Kits Wireless Sensor Network Professional Kit with Tools Qualnet Network Simulator Qualnet Network Simulator Tools Wireless digital communication training system (Wi-Communication-T), Outdoor free space optic (FSO) link.
RF Communication Lab	RF Equipments: 3GHz Spectrum Analyzer RF Training Kit RF Signal Generator Vector Network analyzer 40GHz & Accessories 3GHz Network Analyzer 100MHz Mixed Signal Oscilloscope 80MHz Function/Arbitrary Waveform Generator Digital Multimeter 6.5 digit Triple Output DC Regulator Power Supply Electronic Instrumentation Training Kit RF Tools – HFSS, CST Microwave Studio Digital Source meter with Safety universal Test Lead kit Software: Genesis Core Bundle License Agilent VEE 8.5 , ADS 10 User Licence, Optsim 5 User Licence

VLSI Lab	Dell Precision T1500 & T1600 with Intel core I7-870 Workstations File Server Cadence Design suite, Synopsys EDA Tools Mentor Graphics Tools Xilinx Tools Tanner Tools
DSP Lab	Dell Precision T1500 with Intel core I7-870 Workstations Matlab, Simulink, Mathematica DSP development boards – TI & AD, fixed and floating bit based DSP Code development tools – TI & AD Mentor Graphics FPGA Advantage tools FPGA development boards – Xilinx & Altera FPGA based development tools for system design – Xilinx & Altera Stretch S55DB30, Development Board & AVM20 Audio Visual Module, Stretch Code Development Tools Video Evaluation Boards Lab View
Microprocessor & Embedded Systems Lab	Cadance ORCAD PSPICE A/D, PCB design tools Matlab, Simulink ARM based code development tools
Network Management Lab	Foundry N/w's FastIron Edge X424
R&D Lab (Research Lab for MTech)	Workstations Access to all design tools in the other labs
Centre for Excellence for Wireless Sensor Networks	6 Work stations, WSN Design kits, Qualnet SW, NETSIM SW, Sensors

Department of Humanities, Social Sciences and Management

Name of Laboratory	Major Equipment/Facilities
Computer Lab	It has the capacity of 26 terminals and provides access to a host of essential software like SPSS, Palisade Decision Tools, Prowess, SAP, Open-office, Clarity Language Teaching Modules, etc.

Department of Information Technology

Name of Laboratory	Major Equipment/Facilities
Digital Design Lab – I	Dell Power Edge R420 Server-2 nos N-Computing L-300 Clients, Monitor Dell 18.5" LED, Microsoft Keyboard & Mouse -20 each Digital I C Tester - 1 No. IBM P Series P270 8202 4EC Server - 1 No.
Digital Design Lab – II	
Research Laboratory	
Internet Technology Laboratory	
Virtualization Lab	
Post Graduate Lab – 1	
Post Graduate Lab – 2	
Project Laboratory	
Undergraduate Lab -1	

Department of Mathematical And Computational Sciences

Name of Laboratory	Major Equipment/Facilities
SACA & MACS Labs	200 p.c.s

Department of Mechanical Engineering

Name of Laboratory	Major Equipment/Facilities
Metrology Lab	Precision/Measuring instruments
Engines Lab	Computerized CI engine test rig, Computerized multi cylinder SI Engine test rig, Hydrogen operated single cylinder test rig, Emissions testing facility, Steam boiler and engines
Dynamics Lab	Vibration measuring equipments
Fuels Lab	Fuel testing facilities
Refrigeration and Air-conditioning Lab	Refrigeration testing setup, AC testing equipments
CAD Lab	Computers and servers to accommodate 50 students CAD/CAM/CAE software
Mechatronics Lab	Mechatronics Instruments
Micro systems Lab	Modeling and Simulation of MEMS
Automotive Electronics Lab	Engine Simulation equipments (RBEI lab)
Heat transfer Lab	Heat transfer equipments, Heat exchangers
Material Characterization Lab	Vacuum Arc Melting Equipment, Image Analyzer, Rolling Machine, Hardness Equipment
Thermal Simulation Lab	AVL BOOST and AVL FIRE software
Virtual lab in Mechanisms of Machines	Wireless accelerometer
Virtual Lab in Machine dynamics & Vibration	DAQ systems and sensors
Remote Triggered Lab on Mechanical vibrations	Lons Stroke shaker PS420, Accelerometer

Department of Mining Engineering

Name of Laboratory	Major Equipment/Facilities
1. Rock Mechanics Laboratory	Rock cutting machine Compression testing machine Schimiditt hammer Digital inclinometer Core drilling machine Other rock cutting facilities Ground Penetration Radar (GPR) Related Software (Fraglyst, Sirrovision and numerical modeling software)
2. Drilling and Blasting Laboratory	Minimates Minimate plus High speed video camera VOD monitor Laser profile, WIPFRAG software

3.Mine Environmental Engineering Laboratory	<p>Jack hammer drilling set-up Air compressor Modified lathe machine for rock cutting</p> <p>Manometer, Crossing point temperature, Digital Methanometer, CO detector, Psychomotor and etc. Water pollution monitoring kit Respirable dust sampler Sound level meter, Gas testing set up Exhaust gas analyzer Multi gas detector Automatic weather monitoring system Personal & Heat stress monitoring Equipment Self-Contained breathing apparatus. Human vibration measuring apparatus Digital millivolt meter Machine vibration measuring apparatus Larson & Davis noise dose meter</p>
4. Mineral Processing Laboratory	<p>Jaw crusher Roller crusher Ball mill Rod mill Magnetic separator Sieve shaker Hot air oven Wilfley's table Jigging apparatus Froath flotation apparatus</p>
5. Mine Surveying Laboratory	<p>Prismatic Compass, Surveyor Compass, Vernier Theodolite, Micro-Optic Theodolite, Dumpy level, Auto level, Digital level, Total station, Handheld GPS, DGPS.</p>
6. Mine Planning and Design Laboratory	<p>HP Compaq Presario Computer LCD Projector D-link manageable switch HP 3200 A4 scanner, HP 1010/1015 Laser printer, HP plotter SurpacMine Planning Software Reliability software Sirovision software J K Sim blast software</p>
7. Mine Pollution Laboratory	<p>Merc SQ118 water quality analyzer High volume air sampler Respirable dust sampler Sound level meter Opacity meter Point sampler Beta attenuation meter Weather monitoring station</p>

Department of Metallurgical And Materials Engineering

Name of Laboratory	Major Equipment/Facilities
Extractive Metallurgy Lab	Crushers, Ball mill, Floatation cells, C&S analyzer, Sieve analyzer
Testing of materials lab	UTM, Instron, Wear testing machine, Hardness testers, NDT, Fatigue testing machine
Physical Metallurgy Lab	Metallography, Microhardness, X-Ray Diffractometer, Image Analyser, Dilatometer
Ceramics & Polymer Lab	UTM, Extruder, Mechanical simulator, Tg determinator, Viscometer, Electro spinning equipment
Heat treatment lab	Heat treatment furnaces, Thermal cycle furnaces
Metal finishing lab	Plating facilities
Foundry lab	Induction furnace, Permeability meter
Scanning Electron Micoscope Lab	Scanning Electron Microscope with EDAX
Casting Research Lab	Data logger, Hot stage microscope, Contact Angle Analyser, Image analyzer, Instron tensile tester, Quenchometer, Stereo microscope, 2D Surface Profiler, Solid Cast Software, Ultrasonicator, Ultrasound velocity meter, Thermal property analyser , DAGE bond etster
Powder Metallurgy & Nano technology Lab	Particle size analyzer, Programmable furnaces, High energy planetary ball mill, Sintering furnaces
Transmission Electron Micoscope Lab	Transmission electron microscope
Metal Processing Lab	Rolling mill, Precision cutting machines, 250 ton Hydraulic press
Corrosion Lab	Potentiostat and Impedance analyser

Department of Physics

Name of Laboratory	Major Equipment/Facilities
UG Laboratory	Experimental Kits (8 expt.s of 5 sets each)
PG Laboratory I	Experimental Kits (7 expt.s of 2 sets each)
PG Laboratory II	Experimental Kits (7 expt.s) Vacuum Coating Unit (2 no.s)
Research Laboratories:	
Thin Film Laboratory	Physical vapor Deposition unit Planar Magnetron RF- DC Sputtering Unit Spray Pyrolysis Unit Keithley Source meter
ptoelectronics Laboratory	Linear Translation Stage RF Probe Station Nd: YAG Laser, Stabilizer, Power Supply Spin Coater with controlling unit and vacuum pump Optical Absorption Spectrometer Optical Chopper LCZ Meter Z-Scan Setup ISO Meter Precision Cutting Machine Jobin Spectrometer

Crystal Growth Lab & Material Processing Lab	Solution growth system for crystal growth High temperature furnace Magnetron sputtering system Thin film coating unit Fume Head Vacuum deposition system-Thermal, DC, RF coating system
Material Processing Laboratory	CLEMEX Microhardness Tester Physical vapour deposition Polishing Machine Muffle furnace (Max Temp 1000°C) Low speed Diamond saw cutting Blade Abbe refractometer Analytical balance and Density kit

11.6 WORKSHOPS

Department of Applied Mechanics and Hydraulics

Name of workshop	Major equipments/facilitates
Departmental mini workshop	Lathe, shearing machine, drilling machine. Grinding machine.

Department of Chemical Engineering

Name of Workshop	Major Equipment/Facilities
Departmental workshop	Lathe, Drilling Machines, Welding machines, Buffing Machines, Grinders etc.

Department of Civil Engineering

Name of Workshop	Major Equipment/Facilities
Civil Engineering Department Workshop	Lathe, A Shearing Machine, Electrically operated Power Saw, and Welding Transformer.

Department of Chemistry

Name of Workshop	Major Equipment/Facilities
Organized TEQIP-II sponsored Lecture Series during Sept. 6-7, 2013 Convener: Dr. Udaya Kumar D	

Department of Electrical and Electronics Engineering

Name of Workshop	Major Equipment/Facilities
Selected Topics of Research in Electrical Power (STREP-2013)	Expert lecture by resource persons from CPRI Bangalore, and in-house faculty.
Principles of analog / digital measurements and hardware debugging techniques	An exhibition cum demonstrative workshop by Agilent technologies.
Short term course on Power Electronics in Distributed Generations	Expert lecture by resource persons from IIT Delhi, NIT Trichy, NIT Calicut, Ambedkar Institute of Technology, and ABB, and in-house faculty.

Department Of Mechanical Engineering

Name of Workshop	Major Equipment/Facilities
Bosch power tools lab	Power hand tools
CNC lab	CNC machining centre, CNC turning centre
Rapid manufacturing lab	Rapid manufacturing machines
Machine shop	Milling machines, Centre lathes, Planer and Shapers
Workshop practice	Fitting, Carpentry, Welding

Department of Mining Engineering

Name of Workshop	Major Equipment/Facilities
<p>“National Workshop on Recent Development in Rock Mechanics and Ground Control “.</p> <p>Dates: 01/10/2013 to 03/10/2013 (TEQIP-II)</p> <p>Co-ordinator: Ch.S.N.Murthy, Professor, Dept. of Mining Engineering, NITK.</p>	NA

11.7 HOSPITAL, POST OFFICE, SHOPPING CENTRE

Hospital: Full-fledged Health care center is available in the Institute campus. Services of many reputed doctors in almost all the disciplines of medicine is provided at the Health care center to the faculty staff and students.

Post Office: Post office is available in the Institute campus.

Shopping Centre: Two shopping centers and two canteens are available in the Campus.

Banks: Two banks (Canara Bank and State Bank of India) with ATM facility are available in the campus.

11.8 PHYSICAL EDUCATION FACILITIES

Dept. of Physical Education and Games

FACILITIES/AMENITIES:

Department of Physical Education and Sports of this Institute has got excellent Sports infrastructures and facilities provided here is considered as one of the best among all NITs as well as among other Institutions and Universities of this State. Separate, Standard, well maintained play fields for all major games like 400Mts. Track for Athletics, 75 Yards Boundary Cricket field with 3 playing pitches, 70 yards boundary Cricket field with a matting wicket, 2 standard size Football fields, 2 Hockey fields with 2 pairs of goalposts with boards, 2 concrete Basketball courts with FG boards and Flood Light facilities, 1 Basketball concrete court at Girls Hostel with flood lights, 3 Volleyball courts with flood light facility, 2 Ball Badminton, 2 Throwball, 2 Kho-Kho, 2 Kabaddi, 2 Tennikoit courts are available for use. Provision is also there to put one Handball court with goal posts and one Baseball field with all Bases and other required amenities. An indoor hall with 3 Badminton courts and 4 TT tables with proper Lighting system, kept open for 15 hours of the day for students use. Weight training hall with Multi Gym, Mini Gym, Individual stations for all sorts of exercises, Weight Lifting and Power Lifting Barbell sets, Fitness equipments like Jogger Treadmills, steppers, Rowing Machines, Bicycle Ergometers, Peck Decks and Abdominal shapers is open for use of everybody even during early mornings and late evenings. Above all these, like a jewel on the Crown an international standard Swimming Pool of 50 x 21 Mts., 8 lane with anti wave lane markers, Olympic type take off boards and diving facilities with 3 Platforms of 1, 3 and 5 meters height as well as a Fiberglass Spring Board fixed at 1 Meter height is ready for use in this Institute.

Games & Sports facilities: All students, staffs and residents in and around the campus are freely permitted to utilize all Play ground and Gym facilities available in the Institute. Admission to Swimming Pool is free to all students of this Institute. Staffs, residents of the Campus, family members of the staff and staff + students of the campus schools are charged with nominal fee to use the Pool. High quality and standard Sports/Games equipments/articles are provided to students and staffs of this Institute who use these play field facilities, except some personal articles like Tennis, Shuttle Badminton and TT Rackets. Opportunity

to all students, staffs and other residents of the campus have been provided to participate in different level of competitive Sports and Games, by organizing Inter-Class, Inter-Branch, Inter Year and Campus open tournaments(Competitions) in all most all games for both sections. Girls Block Hostel has been provided with a Basketball, Volleyball, Tennikoit, Kho-Kho, and Badminton courts, 2 TT Tables, 4 Carom Boards and Gym with some fitness equipments including a Mini Gym. Arrangements have been made to provide TT Tables, Carrom Boards and a set of Cricket stumps and Bats to each Blocks of Boys Hostels. Volleyball, Throw ball and Badminton courts have been laid near Staff Recreation Club for the use of staff members. TT, carom and Chess like indoor games with required sports articles were also provided for staff club.

All those who get selected to represent the Institution and participate in any of the tournament will be provided with Institute Uniforms (Colors) and all expenditures during participation of that team will be met

by the Institute. In addition, Football and Hockey team members will be provided with Stockings and Shin Guards, Cricket team members will be provided with white Pants, Shirts and a Cap. All students and Officials who participate in Inter NIT or University tournaments will be provided with Institute Track Suits. All students who represent this Institution in Sports and Games will be provided with Shoe subsidy of Rs.700-00 per year.

SPECIAL INITIATIVES:

Enhancement of Infrastructural facilities:

Construction work of Sports pavilion complex with provision for Fitness Gym, Squash courts, Table Tennis hall, Badminton Hall. Indoor games hall, Aerobic dance hall, Cricket pavilion, Athletic pavilion, Department office, Store room, Dressing/changing room for many outdoor games with locker facilities and required Bath room and Toilets, started. Fitness equipments worth of Rs.1000000-00 has been purchased and a new Gym has been set up near mega towers Hostel block building. A pair of new mobile Basketball posts with transparent acrylic boards has been purchased and put for use. Badminton Hall has been renovated with corrugated sheets, advanced lighting system for Badminton, carom and Table Tennis.

11.9 STAFF QUARTERS

Most of the permanent employees of the Institute are provided with residential accommodation. A total number of 202 quarters for teaching faculties and 120 quarters for Non-Teaching Staff are available. Further the construction of following staff quarters apartments shall be taken up during 2014-15 through CPWD (total 104 units)

Type – III - one apartment comprising 28 units.

Type - IV – one apartment comprising 28 units.

Type - V - one apartment comprising 24 units.

Type - VI - one apartment comprising 24 units.

12 STUDENT ACTIVITIES

12.1 STUDENTS UNION

Election to the Students' Union of the Institute was held on 13.4.2013 and the following office bearers were elected:

- | | |
|-------------------------|------------------------|
| 1. Mr. Vijeth S | - President |
| 2. Mr. Shubham Agarwal | - Secretary |
| 3. Mr. Shubham Bhutada | - Joint Secretary |
| 4. Ms. Vaibhavee Tiwari | - Girls representative |

12.2 GAMES AND SPORTS

STUDENTS ACTIVITIES:

Games & Sports:

All students, staffs and community in and around the campus are free to use the playing, training and coaching facilities available in the DPES of this Institute. Staff of the DPES are ready to provide instruction, teaching, coaching and training facilities to all interested peoples in and around the campus. This year students teams in the following games were selected by conducting selection tournament/trials and these selected teams have been trained, coached and well prepared to participate in different level tournaments. 1) Athletics, 2) Aquatics, 3) Badminton, 4) Ball Badminton, 5) Basketball, 6) Carom, 7) Chess, 8) Cricket, 9) Football, 10) Handball, 11) Hockey, 12) Kabaddi, 13) Kho-Kho, 14) Table Tennis 15) Tennis, 16) Volleyball, and 17) Weight Lifting and Power Lifting, in Boys section, 1) Athletics, 2) Aquatics, 3) Badminton, 4) Basketball 5) Tennis, 6) Table Tennis, 7) Throwball, and 8) Volleyball, in girls section. Special coaching camps are being held by engaging qualified coaches in Athletics, Aquatics, Basketball, Football, Handball and Volleyball. For the students of our campus and neighboring schools, teaching, training and coaching classes were conducted in Athletics, Tennis, TT, Shuttle Badminton, Football, Hockey, Kho-Kho, Handball and Volleyball. To impart knowledge of swimming and water survival skills among each and every one "Learn to Swim" coaching camps of 28 days duration were conducted by PED in the Institute Swimming Pool. Staff and Students of our Institution, Campus Schools and neighboring Schools and Colleges are making good use of these facilities. Since it is mandatory for students to participate in Sports and Games, arrangement is made to accommodate as many students as possible in different play fields. Instruction and proper guidance has been provided to all to enhance participation in different sports, games and Physical Fitness activities systematically and effectively.

All students are insisted to participate in any of the fitness activities of their choice regularly to maintain their Physical Fitness level. Every student is encouraged to spend at least half an hour a day in the play field playing any games of their choice as recreation. Every student of this Institute are insisted to become member of the Swimming pool and attain the knowledge of water survival skill or swimming. "Learn to swim" as well as advanced swimming coaching camps are conducted to cater the needs of all students and campus people. Competitions are being conducted from the lowest level starting from, among their own class/Section, inter class, inter Branch, inter year and inter collegiate level. Intra-Mural competitions in individual sports like Athletics and Aquatics were conducted by DPES and Medals, Certificates and prize money were being awarded to the winners of these competitions as a motivation. Students were allowed to participate in Taluk, District and state level open as well as inter collegiate competitions organized by other colleges, District Associations and other Government organizations. Students are permitted to participate in State and national level sports competitions organized by neighboring institutions. All of our Institute teams are permitted to participate in All India Inter NIT Sports organized at other NITs. Institute is regularly organizing All India Inter NIT Sports every year in some or other games. This year All India Inter NIT Sports in Football and Table Tennis were being organized at our Institute during 09th to 12th January, 2014.

More than 350 students from other NITs (16 Football teams & 18 Table Tennis teams) participated in this Inter NIT sports. Participants were being provided with free Boarding and Lodging facilities. During "INCIDENT" National level cultural Festival, DPES organized "Slam Dunk" Inter Collegiate Basketball and "Spike Fest" Inter Collegiate Volleyball Tournament inviting teams from all over India. Recreation committee is conducting inter branch, inter year and inter class competitions in many games utilizing all facilities available in the DPES. Phoenix an intra mural sports competitions has been conducted in the even semester this year also.

13 RESEARCH, DEVELOPMENT & CONSULTANCY PROJECTS

13.1 R&D PROJECTS (ONGOING & SANCTIONED)

Department of Applied Mechanics And Hydraulics

Projects received

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Lakh Rs.)
Hydrogeological Studies of Coastal Wetlands – A Case Study	INCGW	A.Mahesha Subrahmanya K.	2013-16 (Tentative)	39.4

Projects On-going

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Lakh Rs.)
Laboratory Investigation on Berm Breakwater	INCH	Subba Rao (PI & Co ordinator) Kiran G Shirlal K. Balakrishna Rao (Investigators)	2010 -13	14.88
Simulation and development of flapping mechanism	DRDO	Pruthviraj U. (PI) Srikantha S. Rao S.Srihari	2010-13	17.803
Virtual laboratory (SOM & FM Lab.) – Simulation/ Remote trigger	MHRD	Pruthviraj U. (LC) K.V.Gangadharan (IC)	2011-13	120 (Total 450)
Virtual laboratory (SOM Lab.) – Remote trigger	MHRD	Pruthviraj U. (LC) K.V.Gangadharan (IC)	2011-13	50 (Total 100)

Department of Chemical Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs.)
FIST Programme - Center for Environmental Management and Cleaner Production	DST, FIST	Gopal Mugeraya	2007-2012	Rs. 53.50 lakhs.
Synthesis of Thermosensitive hydrogels for drug delivery system	DST-Fast Track	P.E. Jagadeesh Babu	Nov.2009 to 2012	Rs. 18 lakhs
Virtual lab-Process Control Reaction Engg. & Unit Operations lab.	MHRD-NMEICT	Vidya Shetty K.	2010 to 2012 Extended Upto September 2014	Instt. level Grant Rs. 100 lakhs & Dept. share Rs. 16 lakhs

Development of Polyethylene Glycol (PEG) Based Effective Aqueous Two Phase Systems (ATP's) for the Extraction of Value Added Compounds in Large Scale from the Effluent Streams of Fish Processing Industry	Council for Scientific and Industrial Research (CSIR), Govt. of India	PI -I.Regupathi Co PI- Gopal Mugeraya	Jan 2010 to Jan 2013	Rs. 14 lakhs
Studies on Removal of VOC's and No by Activated Carbon from <i>Anacardium occidentale</i> seed husk in Packed Bed Column	SERC -DST-Fast Track for Young Scientists scheme under Govt. of India	B. Raj Mohan	April 2010 to 2013	Rs. 25 lakhs
Development of Aqueous Two Phase Systems (ATP's) for the Separation of α - Lactalbumin (α - La) and β - Lactoglobulin (β - Lg) from Whey for Large Scale Commercial Applications	Department of Biotechnology (DBT), Govt. of India.	PI -I.Regupathi Co PI- Gopal Mugeraya	Sep 2010 to Sept. 2013	Rs.26 lakhs
Batch and Continuous Photocatalytic Degradation of Azodyes using Ag core-TiO ₂ Shell Structured Nanoparticles in Free and Immobilized Form	DST, Govt. of India,	Vidya Shetty K.	2011 to 2013(comp lated in November 2013)	Rs. 20.39 lakhs
Development of Probiotics for enhanced anti-oxidant availability	The state agency on Science, Innovations and Informatization of Ukraine and Department of Science and Technology (DST), Govt. of India.	PI (India) : Prasanna B.D PI (Ukraine): O. M. Dugan	Oct 2012- Sep 2015	Rs. 4.5 lakhs
Production of n-3 Polyunsaturated Fatty acids concentrate from Sardine Oil	Science and Engineering Research Board (SERB), Ministry of Food Processing Industries (MOFPI).	PI: Prasanna B.D Co-PI: I. Regupathi	Nov 2012- Oct 2014.	Rs. 46.75 lakhs
Reverse Micellar Extraction Of Lactoferrin From Whey: Continuous Process	MOFPI Ministry of Food processing Industries, Govt. of India" through DST	PI: I.Regupathi; Co-PI: Prasanna BD	2013 to 2015	Rs. 37.6 Lakhs
Measurement and Characterization of ambient bioaerosols in Bangalore city	Department of Science and Technology (DST), Ministry of Science and Technology, Govt. of India	PI: Gangamma S. Co-PI: I.Regupathi	March 2013 to March 2016	Rs. 53 lakhs
FIST Level II	DST_FIST	Vidya Shetty K (HOD) Project	Five years (Project to start	Rs.2.2 crores for equipments.

		Implementation committee M.B.Saidutta Vidya Shetty K Prasanna B D I Regupati, P.E. JagadeeshBabu	In 2014-2015	
“Ambient Airborne particulate matter:Effect of biological component on lung inflammation”	Department of Science and Technology (DST), Ministry of Science and Technology, Govt. of India	PI: Gangamma S.	2013 to 2015	Rs. 51. lakh

Department of Civil Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Effect of corrosion on residual capacity prediction of RCC beams and beam column joints in coastal environment	BRNS	K Venkataramana K S Babu Narayan M H Prashanth I Gogoi	April 2010 – March 2013	Rs. 35.35 lakhs
Research Collaboration in Structural Engineering	BARC	K Venkataramana K S Babu Narayan	Dec 2012 - Nov 2017	Rs. 38.18 lakhs
Hydrogen Loaded Concrete as Integrated n, α , β , and γ Radiation Shield	BRNS	M.C.Narasimhan (PI), Katta Venkataramana Satyabodh Kulkarni, N.Satyanarayana K.S.Ravishankar	2012-15	Rs.24.1375 lakhs
Experimental Investigations on Rutting and Flexural Behaviour of Structural Asphalt Mixes with Warm Mix Asphalt Additives	SERB-DST	Suresha S. N.	Sep. 2013 – Aug. – 2016	18.58 lakhs.

**Department of Computer Engineering
Ongoing:**

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs.)
SPFM-Development of Service, Process, Flow Monitor	DST	K.Chandrasekaran	2 years (2013)	Rs.1,04,71,120
Development of tool for detection of XML based Injection Vulnerabilities in web applications	DIT, MCIT	P. Santhi Thilagam	2 years	Rs.38,16,000

Department of Chemistry

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Augmentation of Research Facilities. i.e. Single Crystal X-Ray Diffractometer	DST-FIST	A.V Adhikari, Coordinator and Darshak R. T. as co-coordinator Chemistry Dept.	2010-2014 5 Years Ongoing	128 Lakhs
Efficiency enhancement in organic photovoltaic devices using donor-acceptor conjugated polymers and plasmonic structures	SERB, DST	Udaya Kumar D	Dec. 2013- Dec.2016	25 Lakhs
Synthesis of novel nanoporous polymer membranes for desalination	BRNS	Arun M Isloor	2009-2013	35 Lakhs
Design and Synthesis of colorimetric chemosensors for Environment Pollutant Cations	DST, New Delhi	Darshak R, Trivedi	Feb – 2014 – Jan -2017	25.00 Lakhs
Novel nanoporous polymer membranes for controlled release of fertilizer	DRDO	Arun M Isloor & D.R Trivedi	2009-2013	28 Lakhs

Department of Electronics And Communication Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Uncoordinated Secure and Energy Aware Access in Distributed Wireless Networks	Information Technology Research Academy	U Sripati Joint with IIT Bombay TIFR Bombay NIT Durgapur	01-01-2014 31-12-2017	21.25 Lakhs
Secure Turbulence Resistant Free Space Optical (FSO) links for Broadband Wireless Access Networks	DIT, MCIT, Govt. of India	Muralidhar Kulkarni U Sripati	3 Year (from July 2010) Completed on 31-01-2014	116.76 lakhs

RF MEMS switches for Wideband reconfigurable RF Microsystems	DIT, MCIT, Govt. of India	M.S. Bhat T Laxminidhi	3 Years (from March 2010) Completed on 31-12-2013	175.49 lakhs
Special Man Power Development Programme for VLSI Design and Related Software (Phase II)	DIT, MCIT, Govt. of India	Ramesh Kini M. M S Bhat	2005 - 2012	28.3 lakhs (for 3 years only)

Department of Humanities, Social Sciences & Management

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Women Entrepreneurship And Tourism Development	ICSSR	Sheena	2013 - (ongoing)	Rs. 6,00,000/-
Mitigation Of Tribal Suicides Through Economic Empowerment	UGC	Sheena	2014 - (ongoing)	Rs. 6,02,500/-

Department of Information Technology

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
"Content Based Video Copy Detection and Prevention of In-Theater Piracy"	DST Project under Women Scientist Scheme A	G. Ram Mohana Reddy R Roopalakshmi	3 year	18,20,000/-

Department of Mathematical And Computational Sciences

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Topological structures for semiclosed operators on Hilbert spaces	SERC, DST, Govt. of India	P. Sam Johnson	Three years	3 lakhs
A study on Moore-Penrose in Krein Spaces	NBHM, DAE, Govt. of India	P. Sam Johnson	Three years	1.89 lakhs

Department of Mechanical Engg.

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Virtual Lab	NMEICT	K V Gangadharan Panduranga Vittal Vidhya Shetty Pruthviraj	2010-2014	450 Lakhs
Remote triggered Lab	NMEICT	K V Gangadharan Ravikiran Kadoli Pruthviraj	2012-2014	100 Lakhs
Centre for System Design	NI and MHRD/NITK	K V Gangadharan	2010-2015	500 Lakhs
Design, Fabrication and Characterization of Magneto-Rheological (MR) Dampers for Industrial Applications	DST	Hemantha kumar	3 years	23 Lakhs (Awaiting for Funds)
Investigation of machining characteristics of TiNi based Shape Memory alloy using Wire-EDM	SERB	Narendranath S	March 2014-March 2016	16.32Lakhs
Investigation on Passive Damping Capability of Natural Fiber Reinforced Composite and Visco-elastic Sandwich Structure	DST - SERB	P. Jeyaraj	January 2013 to January 2016	11.39 Lakhs
Development of HVOF sprayed cermets coatings in improving resistance to hot corrosion and erosion of gas turbine alloys	All India Council for Technical Education	Ramesh M.R.	2013-2016	18,10,000
Vibration based structural health monitoring and progressive failure analysis of a rotating tapered composite plate	Central Govt. Body	P. Jeyaraj	March 2013-'16	8 Lakhs

Department Of Mining Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Assessment of Performance of Explosives/Blast results based on Explosive Energy Utilization.	Coal India Ltd.	V.R. Sastry & K. Ram Chandar	2010-2013	Rs.1.234 Crore
Modeling of Airborne Dust In Opencast Coal Mines	Ministry of Coal, Govt.of India.	V.R Sastry & K Ram Chandar	2011-2014	Rs.81.07 Lakhs
Study For Utilization Of Fine Material Of Mine Waste	M/S. Sandur Manganese And Iron Ore Limited,	M.Aruna And HarshaVardhan	2 Years (2013-2015).	14.3 Lakhs

Department of Metallurgical And Materials Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Low Temperature Embrittlement (LTE) studies on SS304 LN Material	BARC	K. R. Hebbar K. L. Bhat K. R. Udupa Jagannath Nayak	2005 - 2012	22.0 Lakhs
Preparation of Prefomed Yarn to Synthesize C-C composite	DRDO	A. O. Surendranathan, Ravishankar K.S. & Padmayya Naik	2010-14	21.78 lakhs

Department of Physics

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Mechanical & Thermal properties of B_4C	UGC-DAE CRS	Ajith K.M	3 years	10 Lakhs

13.2 PROPOSED PLAN FOR RESEARCH

Department of Chemical Engineering

New Labs / Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/Organisations for future collaborations
Environmental Immunology	2-3 numbers	Environmental Health	NIV Bangalore, IIT Kanpur, SDS-TRC & RGICD Bangalore, IISER Bhopal
Advanced instruments sanctioned under DST – FIST-2013 ICP-OES, LC-MS FPLC, Nanoparticle size analyzer with zeta potential, BET-surface area analyzer, Bioreactor, French Press, High Speed refrigerated Centrifuge		The instruments to be procured under FIST will support the research areas such as Industrial Biotechnology, Downstream processing, Environmental Biotechnology, nanoparticle synthesis and applications	
		New area: Heterogeneous catalysis for energy production- proposer: Dr. Vidya Shetty K, Associate Professor	Plan for collaborations with Department of Chemical and Materials Engineering, University of Alberta, Edmonton, Canada
	MOEF- BRNS-	Semiconductor Quantum Particles	North-West University, Johannesburg, South Africa.

Department of Civil Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
Modular Rheometer Pressure Aging Vessel Rotational Thin Film Oven CAD Laboratory Gas Chromatograph		Rheological properties of asphalt and cement materials. Bio-methane Potential from Anaerobic Co-digestion of Solid waste	Trinity College, Dublin, Ireland. National University of Singapore, Singapore. Nanyang Technological University, Singapore. INRA-LBE, France Biomass conversion research laboratory (Department of Chemical Engineering & Material Sciences), MSU, USA. Department of Civil and Environmental Engineering, Michigan State University, USA.

Department of Computer Engineering

New Labs/ Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
Internet of Things	DST	10T systems Architecture	Some foreign universities and/or IITs/IISc.
Cyber-Physical Systems	CSIR	Resource Management	Some foreign universities and/or IITs/IISc.
Cyber Security	DIT	Multimodel visual Security	Some foreign universities and/or IITs/IISc

Department of Chemistry

New Labs/ Equipment	Target for sponsored R&D Projects	New Areas of Research	Institutes/Organizations for future collaborations
Solar Stimulator with facilities for PV studies	New Organic Materials for Solar Cell applications	Solar Cells	-
Catalysis and Materials Lab	DIT	Carbon nanostructures for electrochemical supercapacitors, biosensors	SENS, IISc-Bangalore IISER, Trivandrum
500 MHz NMR Instrument	DST FIST Second phase	500 MHz NMR Instrument	DST FIST Second phase

Department of Electrical And Electronics Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaboration
Procurement of 16channel simultaneous ADC and DAC cards,	In the area of Power Systems, renewable energy sources, smart grids, sensing and control.	System sciences and control:	CPRI Bangalore, PRDC Bangalore, MRPL Mangalore, Indian Naval Academy (INA) Payyanur
Procurement of FPGA boards and Three-phase Inverters			

Department of Electronics And Communication Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
Microwave CAD Lab Optical Communications Lab Audio Visual and Analytics Lab	Each faculty to have atleast one Sponsored R&D projects	MIMO Systems Free Space Optics Medical Imaging	USC, Los Angeles, USA IIT Bombay, India Michigan State University, USA University of Colorado, Colorado Springs, USA Chicago University, USA Memaster University, Canada

Department of Humanities, Social Sciences and Management

Name of the Lab/Equipment	Target for sponsored R&D Projects	New Areas of Research	Institutes/Organizations for future collaborations
Language Lab	Two	Manuscript Studies	Columbia University University of Texas at Austin, USA University of Nebraska

Department of Information Technology

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
Cluster Computing (HPC) Social Networks VR Lab / Computer Vision Data Mining / Warehouse HCI Network Design	IBM, HP India Innovation Lab	HPC HCI MMVR	MICT, DST, BRNS, ISRO, HP Research Lab

Department of Mechanical Engineering

New labs/ Equipment	Target for sponsored R&D projects	New Areas of Research	Institute/Organizations for future collaborations
Natural circulation loop for carbon dioxide	DST	Nanofluids, Cryogenics, Renewable Energy	IIT Kharagpur
Developing material characterization lab		Accumulative roll bonding	NAL, CPRI
Sound level meter Ultrasonicator Mechanical shaker	One ARDB project One DST project	Polymer nano composites fabrication and testing for dynamic studies	IIT Madras, Concordia University
Friction Stir Welding Laboratory and facilities Lubrication Testing Laboratory and testing Equipment.		Nano Composites Nano Tribology Friction Stir Welding	Indian Institute of Science, Bangalore. ITMMEC, Indian Institute of Technology, Delhi,
Compressor cascade wind tunnel with water injection facility	SERB/DST	Aero-elasticity	IIST, Thiruvananthapuram

Department of Mining Engineering

New Labs/ Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
Modernization of Rock Mechanics Laboratory	19.70 Lakhs	Slope stability	CIL
Development of Mine Safety & Health	14.00 Lakhs	Mine Safety	SCCL

Department of Metallurgical And Materials Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
Surface Engineering Laboratory Facility for assessment of health of quenchants High performance workstation Intel Fortran compilers	To get at least one sponsored R&D project per year DST Start up grant BARC Young scientist start-up grant	Nano Technology Composites Surface Engg. Smart Materials Data base on liquid Quenchants Wetting/ dewetting of liquids Hydrodynamic stability Shape Memory Alloys	Indira Gandhi Centre for atomic Research, Kalpakkam Indian Institute of Science, Bangalore National Aeronautics Ltd., Bangalore Hindustan Aeronautics Ltd., Bangalore Jindal South West, Vijayanagar International Federation of Heat Treatment and Surface Engineering (IFHTSE), UK Kennametal Ltd., Bangalore Thermet Solutions (P) Ltd., Bangalore Tata Institute of Fundamental Research, Hyderabad IIT Hyderabad

TECHNICAL PAPERS PUBLISHED IN REFEREED JOURNALS

Table: List of publications during the period under report

Sl. No.	DEPARTMENT	PUBLICATIONS				Total
		International Journal	National Journal	International Conference	National Conference	
1	Applied Mechanics & Hydraulics	20	3	20	38	81
2.	Chemical Engineering	42	1	5	1	49
3.	Chemistry	52	--	13	3	68
4.	Civil Engineering	40	10	24	15	89
5.	Computer Engineering	6	--	19	--	25
6.	Electrical and Electronics Engineering	9	1	18	2	30
7.	Electronics & Communication Engineering	11	1	16	2	30
8.	Humanities, Social Sciences and Management	14	7	13	3	37
9.	Information Technology	9	--	16	--	25
10.	Mathematical and Computational Sciences	28	--	6	--	34
11.	Mechanical Engineering	52	--	44	4	100
12.	Metallurgical And Materials Engineering	49	2	12	--	63
13.	Mining Engineering	7	3	4	5	19
14.	Physics	5	--	5	--	10
Grand Total		344	28	215	73	660

INTERNATIONAL JOURNAL :-

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)*
1.	Software for analysis and design of concrete sheet pile quay wall with relieving platform-RELPT6.0	International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 3, March 2013	Binumol H, Subba Rao and Arkal Vittal Hegde
2.	Artificial neural network simulation of ground water levels in uplands of a coastal tropical riparian wetland	International Journal of Water Resources and Environmental Engineering, Vol. 5(9), pp. 499-505, September, 2013	Shivakumar. J Nyamathi, Bharath. R, and A Vittal Hegde
3.	Overview of Regional Flood Frequency Analysis	<i>International Journal of Earth Sciences & Engineering</i> , 06- 5(1), October 2013	Manoj Mujumdar and L. Nandagiri
4.	Vegetation dynamics in a tropical river basin inferred from MODIS satellite data	<i>International Journal of Earth Sciences & Engineering</i> , 06(6), Dec. 2013	Keerthi Laxmi, L. Nandagiri
5.	Performance of Submerged Reef of Concrete Cubes	International Journal of Chemical, Environmental & Biological Sciences (IJCEBS), Volume 1, Issue 4, 651-654.	Manu, Subba Rao and Kiran G. Shirlal
6.	Geomorphology and Hydrogeology of coastal tracts of the central west coast of India	Int. J. Earth Sciences & Engineering, 6(5), 964-971	Honnanagoudar, S.S., D. Venkat Reddy and A.Mahesha
7.	Saltwater intrusion in coastal aquifers subjected to freshwater pumping	J. Hydraulic Engg., ASCE, 19(2), 448-456.	A.Mahesha & P. Lakshmikanth.
8.	Wave transmission of submerged inclined serrated plate breakwater	International Journal of Chemical environmental and Biological Sciences (IJCEBS), Vol 1, Issue 4 (2013) ISSN 2320-4079; EISSN2320-4087, pp 665 -668	Kiran G. Shirlal
9.	Review on Applications on Neural Networks in Coastal Engineering	International Journal of Artificial Intelligence Systems and Machine Learning, Vol. 5, No. 7, pp. 324-331.	Rakshith, S. and Dwarakish, G. S.
10.	Prediction of Tides using Neural Networks at Karwar, West Coast of India	Development and Applications of Oceanic Engineering, Vol. 2, No. 3, pp. 77-85	Rakshith, S. and Dwarakish, G. S.
11.	Different Approaches for Land Use Land Cover Change Detection: A Review, Research and Reviews	Journal of Engineering and Technology, Vol. 2, No. 3, pp. 44-48.	Ganasri BP, Raju A, and G S Dwarakish
12.	A Comparative Analysis of Histogram Equalization based Techniques for Contrast Enhancement and Brightness Preserving	International Journal of Signal Processing, Image Processing and Pattern Recognition, Vol. 6, No. 5, pp 353-366.	Raju.A., Dwarakish G.S. and D Venkat Reddy

13.	A state-of-the-art and comparative analysis of mean brightness preserving histogram equalization based contrast enhancement techniques	<i>Intl. Journal of Remote Sensing and GIS</i> , Vol.2, No.1, pp. 41-51.	Raju.A., Dwarakish G.S. and D Venkat Reddy
14.	Multistep leadtime forecasting of hydrologic time series using Daubechies wavelet-Neural network hybrid model	International journal of Scientific and Engineering Research (IJSER), ISSN No.2229-5518(October), vol.4, no.10, Impact Factor =1.4 pp.115-124	Khandekar Sachin Dadu and Paresh Chandra Deka
15.	Fuzzy system modeling for forecasting water quality index in Municipal Distribution system	Urban Water Journal , Published online 20 th August-2013,pp.1-22.ISSN-1573-062X(Print),1744-9006(online)vol.10(6) Taylor and Francis group-Impact factor-1.19	Vinayak k Patki, S Srihari, B Manu, Paresh Chandra Deka
16.	Modeling of weekly mean air temperature using fuzzy system in Mangalore city	International journal of Environmental Research and Development(IJERD),ISSN No.2249-3131(special issue),vol.3,no.7,pp.60-63	Suresh Sharanappa Dodamani and Paresh Chandra Deka
17.	Support Vector Applications In The Field Of Hydrology-A Review	Applied Soft Computing (ELSEVIER),19(2014),pp.372-386	Sujay Raghavendra and Paresh Chandra Deka
18.	Analysis of southwest monsoon rainfall trend analysis using statistical techniques over Nethravathi basin	International Journal of Advanced Technology in Civil Engineering, ISSN: 2231 –5721, Volume-2, Issue-1, pp 130-136	Santosh Babar and Ramesh H.
19.	Analysis of monsoon onset trend and extreme rainfall events over Nethravathi river basin	ISH Journal of Hydraulic Engineering, PP-1-10. (Taylor and Francis), 2014	Santosh Babar and H. Ramesh
20.	Comparative analysis of ET _o using AWS data	International Journal of Earth Science & Engineering, Vol.05 No 4(02) 2012, pp 1015-1019	B.M.Dodamani and Shweta

Department of Chemical Engineering

Sl. No.	Title of Paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Rupture studies on kokum wax coated urea briquettes,	World Journal of Agricultural Research, 1(5), 82 – 84	M R Bhat, D V R Murthy, M B Saidutta, S Reddivari
2.	Urea concentration profiles from kokum wax coated urea briquettes	Universal Journal of Agricultural Research, 2(2), 43 – 44,	M R Bhat, D V R Murthy, M B Saidutta, S Reddivari
3	Cadmium (II) and nickel (II) biosorption by <i>Bacillus laterosporus</i> (MTCC 1628)	Journal of the Taiwan Institute of Chemical Engineers, in press Available online http://dx.doi.org/10.1016/j.jtice.2013.11.006	Rajeswari.M. Kulkarni, K. Vidya Shetty, G. Srinikethan

4	Isolation and Screening of Fungi for Aerobic Delignification and Reduction of AOX of Pulp and Paper Mill Effluent	International Journal of Biological, Life Science and Engineering Vol:7 No:12,225-229	N. Lokeshwari, G Srinikethan, S. G. Joshi, I. Shasikala, B. Srikanth, Bashirahmed J.
5	Management of Air Pollutants from Point Sources,	International Journal of Environmental, Earth Science and Engineering Vol:7 No:12,259-263.	N. Lokeshwari, G. Srinikethan, V. S. Hegde,
6	Optimization studies for removal of Remazol Brilliant Blue dye from aqueous solution using acid treated red mud	International Journal of Current Engineering and Technology, ISSN 2277-4106. Available at http://inpressco.com/category/ijcet .	Ratnamala G.M, Vidya Shetty K, G. Srinikethan
7.	Biodegradation of Phenol using immobilized Nocardia hydrocarbonoxydants in a Pulsed Plate Bioreactor -Effect of packed stages, cell carrier loading and cell acclimatization on Start-up and Steady State Behaviour	Bioremediation Journal 17(4), 252-263	Shetty K V; Yarangali S K ; Srinikethan G,
8.	Reactive Distillation Using Ion Exchange Catalyst: Experimental and Simulation Studies for the Production of Methyl Acetate	Industrial & Engineering Chemistry Research,	K Sandesh, PE JagadeeshBabu, S Math, MB Saidutta
9.	Microwave-assisted batch and continuous transesterification of karanja oil: process variables optimization and effectiveness of irradiation	Biomass Conversion and Biorefinery DOI.10.1007/s13399-013-0080-8),	I Regupathi, H Venkatesh Kamath, Satyanarayana, MB Saidutta
10.	Production of Naringinase from a New Soil Isolate Bacillus Methylotrophicus: Isolation, Optimization and Scale Up Studies	Preparative Biochemistry and Biotechnology, 44: 146-163 DOI:10.1080/10826068.2013.797910	M Pavithra, PD Belur, MB Saidutta
11.	Reduction of Color and COD of Anaerobically Treated Distillery Wastewater by Electrochemical Method	International Journal of Current Engineering and Technology, 168-171,	R Farshi, S Priya, MB Saidutta
12.	Studies on Biosorption of Methylene Blue from Aqueous Solutions by Powdered Palm Tree Flower (Borassus flabellifer)	International Journal of Chemical Engineering, vol. 2014, Article ID 306519, 13 pages, doi:10.1155/2014/306519.	M. Srinivas Kini, M. B. Saidutta V. Ramachandra Murthy
13.	Reduction of hexavalent chromium by a novel Ochrobactrum sp. -microbial characteristics and reduction kinetics.	J Basic Microbiol. Epub ahead of doi:10.1002/jobm.201200183	Narayani M, Vidya Shetty K.
14.	Solar photocatalysis for treatment of Acid Yellow-17 (AY-17) dye contaminated	Environ Sci Pollut Res Int. 20(8):5692-707	<u>Khanna A, Shetty K V</u>

	water using Ag@TiO ₂ core-shell structured nanoparticles		
15.	Effect of chelaters on bioaccumulation of Cd (II), Cu (II), Cr (VI), Pb (II) and Zn (II) in <i>Galerina vittiformis</i> from soil	International Biodeterioration & Biodegradation, Volume 85, Pages 182–188.	Dilna Damodaran,, K. Vidya Shetty, B. Raj Mohan
16.	Uptake of certain heavy metals from contaminated soil by mushroom - <i>Galerina vittiformis</i> .	Accepted for publication in <i>Ecotoxicology and Environmental Safety</i> .	Dilna damodaran, Raj Mohan <u>B.</u> , Vidya Shetty K,
17.	The uptakemechanism of Cd (II), Cr (VI), Cu (II), Pb (II) and Zn (II) by mycelia and fruiting Bodies of <i>Galerina vittiformis</i>	<i>BioMed Research International</i> doi.org/10.1155/2013/149120.	Dilna Damodaran, Raj Mohan Balakrishnan and Vidya K.Shetty
18.	Immobilized Nano TiO ₂ for Photocatalysis of Acid Yellow-17 Dye in Fluidized Bed Reactor	International Journal of Current Engineering and Technology ISSN 2277 -4106 Available at http://inpressco.com/category/ijce	Chethana Gadiyar,, Bhanupriya Boruah,Calvina Mascarenhas, Vidya Shetty K
19.	Solar light induced photocatalytic degradation of Reactive Blue 220 (RB-220) dye with highly efficient Ag@TiO ₂ core-shell nanoparticles: A comparison with UV photocatalysis	Solar Energy. 99, 67–76	A. Khanna, V.K. Shetty,
20.	Novel Cell Associated Camptothecin production by an endophytic <i>Fusarium oxysporum</i> NFX06, Optimization and Kinetic Modelling	<i>Preparative Biochemistry and Biotechnology (Accepted)</i>	Sogra Fathima Musavi, Abhinandan Dhavale, Raj Mohan Balakrishnan
21.	Biodiversity, Antimicrobial potential and Phylogenetic placement of an Endophytic <i>Fusarium oxysporum</i> NFX 06 Isolated from <i>Nothapodytes foetida</i>	<i>Journal of Mycology</i> . http://dx.doi.org/10.1155/2013/172056	Sogra Fathima Musavi, Raj Mohan Balakrishnan
22.	A Study on the antimicrobial activity of an endophytic fungus <i>Fusarium oxysporum</i> NFX 06	<i>Journal of Medical and Bioengineering</i> . 3 (3), 51-55.	Sogra Fathima Musavi, Raj Mohan Balakrishnan,
23.	Total Phenolics from an Endophytic Fungus <i>Penicillium sp</i> isolated from <i>Nothapodytes foetida</i> and its Optimization	<i>International Journal of Pharmacognosy and Phytochemical Research</i> 5(4); 321-327	Sogra Fathima Musavi and Raj Mohan Balakrishnan
24.	Mathematical Modelling of an Endophytic Fungus <i>Fusarium oxysporum</i> NFX06 of <i>Nothapodytes foetida</i>	<i>Journal of Chemistry and Chemical Engineering</i> , 3(2),23-30.	B Sogra Fathima, D Abhinandan B Soubhik Kumar and Raj Mohan B
25.	CO ₂ Sequestration and Growth Characteristics of <i>Euglena Gracilis</i> in a Photo Bioreactor	International Journal of Engineering Research and Technology. 2(11) 4162 - 4168	Kamal Kishore Yadav, Sogra Fathima

			Musavi, Raj Mohan Balakrishnan
26.	Selenium And Lead Tolerance In Fungi Isolated From Sea Water	<i>International Journal of Innovative Research in Science, Engineering and Technology</i> . 2(7) 2975 – 2981.	Jaya Mary Jacob, Soubhik Kumar Bardhan and Raj Mohan B
27.	Petroleum Oily Sludge and the Prospects of Microwave for Its Remediation	<i>International Journal of Engineering Research and Technology</i> . 2(11) 359 - 370	Bipin Kumar, Raj Mohan B
28.	Study on the Antimicrobial Potentials of an Endophytic Fungus <i>Fusarium oxysporum</i> NFX06	<i>Journal of Medical and Bioengineering</i> , 3(3), 162 – 166.	Sogra Fathima Musavi and Raj Mohan Balakrishnan
29.	Production of propyl gallate in non aqueous medium using cell-associated tannase of <i>Bacillus massiliensis</i> : Effect of various parameters and statistical optimization.	<i>Biotechnology and Applied Biochemistry</i> . 60(2), 210-218.	Mahesh Aithal and Prasanna D. Belur
30.	Enhancing gallic acid content in green tea extract by using novel cell-associated tannase of <i>Bacillus massiliensis</i> .	<i>Journal of Food Biochemistry</i> . 37: 528-537 doi: 10.1111/jfbc.12003.	Basavaraj Pallabhanvi and Prasanna D. Belur
31.	Enhancement of propyl gallate yield in nonaqueous medium using novel cell-associated tannase of <i>Bacillus massiliensis</i>	<i>Preparatory Biochemistry and Biotechnology</i> . 43: 445-455, DOI:10.1080/10826068.2012.745873.	Mahesh Aithal and Prasanna D. Belur
32.	Partitioning studies of enzyme glutaminase in polyethylene glycol and salt based aqueous two-phase systems	<i>Chemical Engineering and Technology</i> . 36 (8), 1275–1435 DOI: 10.1002/ceat. 201200677	Soumya Bolar, Prasanna D. Belur and Reghupathi I
33.	Determination of specific oxygen uptake rate of <i>Photobacterium luminescens</i> during submerged culture in lab scale bioreactor	<i>Biocontrol Science and Technology</i> . 23(12):1458-1468.DOI:10.1080/09583157.2013.840361.	Prasanna D. Belur, Floyd L. Inman III, Leonard D. Holmes
34.	Development and Evaluation of PEG-Lithium Citrate Salt Based Aqueous Two Phase System and Its Application in Partitioning of Proteins From Fish Industry Effluent	<i>Separation Science and technology</i> . 47, 591-598.	Regupathi I, Prasanna D. Belur, Basavaraju Girish and Vishwanatha H.N.
35.	1-Hexyl-3-Methylimidazolium Chloride - Potassium Carbonate Aqueous Two Phase System: Equilibrium Characteristics and BSA Partitioning Behaviour	<i>Journal of Dispersion Science and Technology</i> , DOI: 10.1080/01932691.2013.794112	I Regupathi, SL Monteiro
36.	Bovine Serum Albumin Partitioning in Aqueous Two-Phase Systems: Effect of Variables and Optimization	<i>Bioprocessing Journal</i> 12 (1)	N Sindhu, S Kalaivani, I Regupathi ,

37.	Partitioning studies of α -lactalbumin in environmental friendly poly (ethylene glycol)-citrate salt aqueous two phase systems	Bioprocess and Biosystems Engineering, 02/2013;	Sivakumar Kalaivani, Iyyaswami Regupathi,
38.	Phase Demixing Studies in Aqueous Two Phase System with Poly Ethylene Glycol (PEG) and Sodium Citrate	Chemical Engineering Communications, published in web, DOI:10.1080/00986445.2012.744750	Vishwanatha H Nagaraja, Regupathi Iyyaswami,
39.	Role of N-vinyl-2-pyrrolidinone on the thermoresponsive behavior of PNIPAm hydrogel and its release kinetics using dye and vitamin-B12 as model drug	Journal of Biomaterials Science, Polymer Edition 25 (3), 269-286.	B Maheswari, PE Jagadeesh Babu, M Agarwal
40.	Airborne particulate matter induced lung inflammation	Environmental Health Perspectives http://dx.doi.org/10.1289/ehp.1206061	Gangamma S.
41	Enhanced Bioavailability of 6-[3-(4- chlorophenyl)-1H-pyrazol-4-yl]-3-[(2-naphthoxy) methyl][1,2,4] triazolo[3,4- b][1,3,4] thiadiazole on C6 Cell Lines using Chitosan Encapsulation at Nano Scale	International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 11, November 2013, 6532-6538.	Keyur Raval, Dhanya Sunil, Sakshi Singhania, Praful Deshpande
42	Characterization of heat transfer of large orbitally shaken cylindrical bioreactors	Biochemical Engineering Journal 86 (2014) 1-7	Keyur Raval, Yoshihito Kato, Jochen Buechs

Department of Civil Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Flexural bond strength behavior in OPC concrete of NBS beam for various corrosion levels	Structural Engineering and Mechanics, Techno-Press Ltd, 2014, 81-93	Shetty A, Venkataramana K and Babu Narayan K S
2	Effect of containment reinforcement on the seismic response of box type laterite masonry structures – an analytical evaluation	Earthquakes and Structures, Techno-Press Ltd, 2013, 67-81	Unnikrishnan S, Narasimhan M C and Venkataramana K
3	Impact of coastal structures on beach morphology: A case study near Sodanaikuppam village, South East coast of India.	International Journal of Earth Science and Engineering, 2013	G.Vijayakumar, C. Rajasekaran, T.Sundararajan and D.Govindarajulu
4	Stabilization/solidification of iron ore mine tailings using cement, lime and fly ash	International Journal of Research in Engg. and Technology (IJRET), 2014, pp 625-635	Manjunatha L.S., Sunil B.M.
5	Degradation of Toxic 2-Aminopyridine Pharmaceutical Compound from Aqueous Environments Using Advanced	International Journal of Advanced Technology in Civil Engineering, 2013, 34-38	Rahul Karale, Basavaraju Manu and S.Shrihari

	Fenton and Photo-Fenton Oxidation Processes		
6	Biodegradation of Bromopyridine Using Sequential Batch Reactors	International Journal of Environmental Research and Development, 73-77	Vijay Kumar Pujar and B.Manu
7	Reuse of Textile Mill Sludge in Burnt Clay Bricks	International Journal of Advanced Technology in Civil Engineering (Year2013), Vol. 2, Issue. 1 96-99	Shrikant S Jahagirdar, S. Shrihari and B. Manu
8	Utilization of Textile Mill Sludge in Burnt Clay Bricks	International Journal of Environmental Protection, 6-13-2014	Shrikant S Jahagirdar, S. Shrihari and B. Manu
9	Gamma Radiation Shielding Characteristics of Concrete Mixes - The State-of-Art	International Journal of Earth Sciences and Engineering , Aug 2013.	Santhosh Kumar M, Mattur C. Narasimhan and Karkera B.N
10	Laboratory investigation of expansive soil stabilized with natural inorganic stabilizer	International Journal of Research in Engineering and Technology 2013	Haricharan T S, Vinay Kumar K S, Durga Prashanth L, M.R. Archana, A.U. Ravishankar
11	Effects of pre-stressing the reinforcement on the behaviour of reinforced granular beds overlying weak soils	Geo-textiles and Geo-membranes, Elsevier publishers Accepted August 2013 (in press)	R. Shivashankar and J. Jayamohan
13	Effect of dynamic soil-structure interaction on raft of piled raft foundation of chimneys	ISRN Civil Engg. Journal, Hindawi publishers, 2014	B. R. Jayalekshmi, S.V. Jisha, R. Shivashankar and S. Soorya Narayana
14	3D soil-structure interaction analysis of annular raft foundation of tall RC chimneys under wind load	Indian Geotechnical Journal, Springer publishers, 2014 pgs. 1-18	S. V. Jisha, B. R. Jayalekshmi and R. Shivashankar
15	Studies on effects of prestressing the reinforcement on the behaviour of reinforced granular beds overlying weak soil	Indian Journal of Geosynthetics and Ground Improvement, published by IGS (India), ISSN: 2277-5625 (print); ISSN 2277-5633 July 2013, pgs. 3- 13	R. Shivashankar and J. Jayamohan
16	Fuzzy system modeling for forecasting water quality index in municipal distribution system	Urban Water Journal, Taylor & Francis Pub., Published Online Aug., 2013 REPEATED	Vinayak Patki, S.Shrihari, B. Manu and Paresh Chandra Deka
17	Reuse Of Textile Mill Sludge In Cement Based Building Blocks	International Journal Of Engineering Research And Industrial Applications (IJERIA August,2012, pp. 213-224	Shrikant Jahagirdar and Shrihari S.
18	Land use/land cover change and Urban Expansion during 1983-2008 in the coastal area of Dakshina Kannada district, South India	Journal of Applied Remote Sensing Sep. 2012	Rajagopal Bhagyanagar, Babita M. Kawal, Gowdagere S. Dwarakish and Shrihari Surathkal
19	Water Quality Prediction in Distribution System using Cascade feed Forward Neural Networks	International Journal of Advanced Technology in Civil Engineering (IJATCE), 2013, pp. 84 – 91	Vinayak Patki, S.Shrihari, and Basavaraju Manu

20	Reuse of Textile Mill Sludge in Burnt Clay Bricks	International Journal of Advanced Technology in Civil Engineering (IJATCE), 2013, pp. 96 – 99	Shrikant S Jahagirdar, S. Shrihari, B Manu
21	Catalytic use of Laterite Iron for Degradation of 2-aminopyridine using advanced oxidation processes	International Journal of Scientific & Engineering Research, May, 2013 pp 207-210 REPEATED	Rahul Karale, Basavaraju Manu and S.Shrihari
22	Utilization of Textile Mill Sludge in Burnt Clay Bricks	International Journal of Environmental Protection (IJEP) May, 2013, pp. 6-13	Shrikant S Jahagirdar, S. Shrihari, B Manu
23	Building Integrated Project and Asset Management Teams for Sustainable Built Infrastructure Development	Emerald Journal of Facilities Management, Accepted: to be published in Jul, 2014	Wong, K., Kumaraswamy M. M., Mahesh G. and Ling F. Y. Y.
24	Experimental investigation on corroded reinforced concrete beam in coastal environment using strain gauges	International Journal of Engineering and Innovative Technology (IJEIT), Nov 2013 pp 416-422	Pandit P, Ansal V, Venkataramana K and Parthiban P
25	Modelling of masonry infills – A review	American Journal of Engineering Research (AJER), 2013 pp.59-63	Jaselia C M, Jayalekshmi B R and Venkataramana K
26	Studies on the dynamic characteristics of monolithic RC wall panels	International Journal of Earth Sciences and Engineering, Aug 2013, pp.643-648	Amitha S B, Chethan K, Bhavanishankar S, Annapurna B P, Venkataramana K and Ramesh Babu R
27	Probabilistic format for seismic risk analysis of RC buildings in the Indian context	The IUP Journal of Structural Engineering, 2013, pp.7-22	Ravikumar C M, Babu Narayan K S, Venkat Reddy and Venkataramana K
28	Experimental investigation on effect of corrosion in reinforced concrete beams	Built Expressions, 2013 , pp.52-57	Shetty A, Venkataramana K, Babu Narayan K S and Reddy G R
29	Shake table experiments of surge arrester for evaluation of ground motion amplification	The Journal of CPRI, Vol.9, No.3 2013, pp.183-190	Srujana N, Paneer Selvam R, Ramesh Babu R and Venkataramana K
30	Effect of soil-foundation-structure interaction on fundamental frequency of RC chimneys	Journal of Structural Engineering 2013, 373-381	B.R. Jayalekshmi, Devdas Menon
31	Soil-structure interaction effects on seismic response of a 16 storey RC framed building with shear wall	American Journal of Engineering Research, 2013, p53-58	Chinmayi H.K. and Jayalekshmi B.R
32	Performance of stone columns in weak ground with dispersive soils	Ground Improvement, Thomas Telford Publishers, ISSN 1755-0750, 1755-0769, 2014 pp 72-82	Sitaram Nayak, R. Shivashankar, M. R. Dheerendra Babu and Naveen James
33	Computational Model for the Transverse Stress Analysis of FGM Plates – An Assessment	International Journal of Earth Science and Engineering, 2013 122-131	Swaminathan, K. and Naveenkumar D. T.

34	Vibration suppression of steel truss railway bridge using tuned mass dampers	International journal of Civil and structural Engineering, Vol 4, No 1, 2013, pp 65-74	Rakshith S Shetty, Prashanth M H, Channappa T M, Ravi Kumar CM
35	Assessment of Blended Lithomargic Clay as Landfill Liner Material	Journal of <i>Current Advances in Civil Engineering (CACE)</i> , 2014 (in press)	Sitaram Nayak, B.M.Sunil, and Allamaprabhu.K
36	Effect of Drying on the index properties of Lateritic soils,	International Journal of Geotechnical and Geological Engineering, Springer Publications, Vol. 30, No.4: pp 869-879 (June, 2012).	Sunil B.M., and Krishnappa H (2012),
37	Geotechnical characteristics of lithomargic clay blended with marine clay as landfill liner material",	International Journal of Earth Sciences and Engineering, Vol. 5, No.6 (01) pp 1803-1808 (Dec. 2012).	A.K. Prabhu, Sunil B.M., and Nayak Sitaram, (2012),
38	Effect of hydraulic conductivity on soil moisture uptake under saline conditions for wheat crop	Journal of Hydraulic Engineering, Volume 19, Issue 2, 2013	C.P. Devatha, C.S.P. Ojha, K.S. Hari Prasad & Arun Kumar Thalla
39	Experimental Investigation of RC frames using CFRP sheets	International Journal of Earth Science and Engineering, June 2013, Vol 6, No 3, pp541-545	Prashanth M H, Babu Narayan K S, K Venkataramana and Sajith M
40	Experimental studies on strength and durability of mortars containing pozzolanic materials	International Journal of Advanced Structures and Geotechnical Engineering, Vol 2, No 2, April 2013.	C M Ravi Kumar M B Sreenivasa K Abdul Raheem Prashanth M H M Vijay Shekar Reddy.

Department of Computer Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Super-resolution Video Generation Algorithm for Surveillance Applications	The Imaging Science Journal, UK, 2013	A. R. Pais, J. D' Souza, and R. M. Reddy
2.	Reputation based Cross-layer Intrusion Detection System for Wormhole Related Attacks in Wireless Mesh Networks	Security and Communication Networks Wiley, doi: 10.1002/sec.955. 2014	K. Ganesh Reddy, P. Santhi Thilagam
3.	"Securing the Network Topology in a Source Routing Multi Domain SDN"	International Journal of Computer Applications (IJCA), ISSN:0975-8887 Volume ICACEA - No. 3, 2014	Sarat Chandra Prasad G, Saumya Hegde
4.	Agent-Based Cloud Broker Architecture for Distributed Access Control in the Inter-Cloud Environments	International Journal of Information Processing, Volume 8, Issue 1.	Manoj V. Thomas, K. Chandrasekaran

5.	A new non local maximum likelihood estimation method for Rician noise reduction in Magnetic Resonance images using the Kolmogorov-Smirnov test	Signal Processing (In Press)	Jeny Rajan, Arnold J. den Dekker and Jan Sijbers
6.	MRI denoising using iterative bilateral filter	Signal, Image and Video Processing (In Press)	Riji R, Jeny Rajan, Jan Sijbers, Madhu S Nair

Department of Chemistry

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Simple glucose reduction route for one-step synthesis of copper nanofluids	<i>Appl. Nanosci.</i> DOI .1007/s13204-012-0169-6, 2013.	U. Sandhya Shenoy and A. Nityananda Shetty
2.	Electrochemical Investigation on the Corrosion of 18%Ni M250 Grade Maraging Steel under Welded Condition in Sulfuric Acid Medium I	<i>Surface Engineering and Applied Electrochemistry</i> , . 49, (2013) 253–260.	Pradeep Kumar and A. Nityananda Shetty
3.	Electrochemical investigations of the corrosion behavior of magnesium alloy ZE41 in a combined medium of chloride and sulphate.	<i>J. Magnesium Alloy.</i> , 1, (2013) 201-209.	Nandini, D. and Shetty, A.N.
4.	Investigation of influence of medium pH and sulfate ion concentrations on corrosion behavior of magnesium alloy ZE41	<i>Surf. Eng. Appl. Electrochem.</i> , 50, (2013) 149-156.	Nandini, D. and Shetty, A.N.
5.	New 4-(2-(4-alkoxyphenyl)-6-methoxypyridin-4-yl) benzonitriles: Synthesis, liquid crystalline behavior and photophysical properties	<i>Crystal Engineering Communications</i> , (2014) DOI: 10.1039/C4CE00128A.	T.N. Ahipa, Vijith Kumar, Doddamane S. Shankar Rao, Subbarao Krishna Prasad and Airody Vasudeva Adhikari,
6.	Trihydrazone functionalized cyanopyridine discoids: synthesis, mesogenic and optical properties	<i>Tetrahedron Letters</i> , (2014) 55, 2, 495-500.	T.N. Ahipa, Airody Vasudeva Adhikari
7.	New columnar liquid crystal materials based on luminescent 2-methoxy-3-cyanopyridines	<i>Structural Chemistry</i> , (2014), DOI: 10.1007/s11224-014-0390-x.	Ahipa. T. N., Vijith Kumar and Airody Vasudeva Adhikari,
8.	New luminescent 2-methoxy-6-(4-methoxy-phenyl)-4-p-tolyl-nicotinonitrile: synthesis, crystal structure, DFT and photophysical studies	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> , (2014), ISSN 1386-1425, http://dx.doi.org/10.1016/j.saa.2014.01.006 .	T.N. Ahipa, Pooja R. Kamath, Vijith Kumar, Airody Vasudeva Adhikari
9.	Synthesis and antiepileptic studies of new imidazo[1,2-a]pyridine derivatives.	<i>Chin. Chem. Lett.</i> , (2013) 24, 2013, 853-856.	Shrikanth Ulloora, Ramakrishna Shabaraya,

			Airody Vasudeva Adhikari.
10.	Synthesis, anticonvulsant and anti-inflammatory studies of new 1,4-dihydropyridin-4-yl-phenoxyacetohydrazones	<i>Eur. J. Med. chem.</i> , (2013) 70, 341-349	Shrikanth Ulloora, Rajesh Ranganathan and Airody Vasudeva Adhikari.
11.	New 6-bromoimidazo[1,2- <i>a</i>]pyridine-2-carbohydrazide derivatives: Synthesis and anticonvulsant studies	<i>Med. Chem. Res.</i> , (2014), Volume 23, 6, 3019-3028	Shrikanth Ulloora, Ramakrishna Shabaraya and Airody Vasudeva Adhikari
12.	Green Approach to Synthesize Multi-Walled Carbon Nanotubes by Using Metal Formate as Catalyst Precursors	<i>J. Nanosci. Nanotechnol.</i> (2013)13, 2153-2158.	R. Ravindra and Badekai Ramachandra, Bhat,
13.	ZnO/carbon nanotube nanocomposite for high energy density supercapacitors.	<i>Electrochimica Acta</i> , 95, (2013) 95, 119-124.	L. S. Aravinda, K. K. Nagaraja, H. S. Nagaraja, K. UdayaBhat and B. RamachandraBhat,
14.	Study of third-order nonlinear optical and all-optical switching properties of palladium metal-organic complex	<i>Optical Materials</i> (2013) 35, 1366-1372.	K.B. Manjunatha, R. Dileep, G. Umesh and B. RamachandraBhat,
15.	Mass production of carbon nanofibers on water soluble support	<i>Advanced Materials Research</i> (2013) 678, 198-202	Ravindra R and Badekai RamachandraBhat
16.	Nonlinear Optical and All-Optical Switching Studies of Palladium (II) Complex	<i>Materials Letters</i> (2013) 105, 173-176.	K.B. Manjunatha, R. Dileep, G. Umesh and B. RamachandraBhat,
17.	Nonlinear optical and all-optical switching studies of novel ruthenium complex	<i>Opt. Laser Tech.</i> (2013) 52, 103-108	K.B. Manjunatha, R. Dileep, G. Umesh and B. RamachandraBhat,
18.	Third-Order Nonlinear Optical, optical Power Limiting and All-optical Switching Studies on Palladium Complexes.	<i>Synth. React. Inorg. Met.-Org. Nano-Met. Chem.</i> , 2013. (DOI: 10.1080/15533174.2012.750341).	K.B. Manjunatha, Ramakrishna Dileep, G. Umesh, M. Satyanarayna and Badekai RamachandraBhat,
19.	Magnetron sputtered MoO ₃ /carbon nanotube composite electrodes for electrochemical supercapacitor	<i>Journal of Electroanalytical Chemistry</i> (2013) 699, 28-32.	Aravinda L S Bhat, Nagaraja K K, UdayaBhat and Badekai RamachandraBhat,
20.	One step Synthesis of Biaryls under Mild Conditions	<i>Eur. J. Org. Chem.</i> (2013)2013(31) 7139-7144.	11. Aparna P I Bhat Badekai RamachandraBhat Fawad Inam
21.	Porous MnO ₂ nano whiskers bunch / Activated carbon based composite electrodes for high energy density Supercapacitor	<i>ECS Solid State Letters</i> , (2013) 2 (11) M61-M63.	Aravinda L S Bhat, UdayaBhat and Badekai Ramachandra Bhat.

22.	Binder free MoO ₃ / multiwalled carbon nanotube thin film electrode for high energy density supercapacitors	ElectrochimicaActa(2013) 112, 663-669.	Aravinda L S Bhat, UdayaBhat and BadekaiRamachandraBhat
23.	Nano CeO ₂ / Activated carbon based composite electrodes for high performance Supercapacitor	Materials Letters 2013) 112, 158–161	L. S. Aravinda, K. UdayaBhat and BadekaiRamachandraBhat
24.	Nickel Catalyzed One Pot Synthesis of Biaryls under Air at Room Temperature,	RSC Adv. (2013) 3(44), 22191–22198.	Aparna P I Bhat, FawadInam and BadekaiRamachandraBhat
25.	Structural health monitoring capabilities in ceramic – carbon nanocomposites,	Ceramics International, (2014) 40, 3793-3798.	FawadInama, Badekai R. Bhat, ThucVoc, Walid M. Daoush,
26.	Comparison of structural health assessment capabilities in epoxy – carbon black and epoxy – carbon nanotube nanocomposites	eXPRESS Polymer Letters, 2014 (In press) DOI: 10.3144/expresspolymlett.2014.	F. Inam, B.R. Bhat, N. Luhyna, T. Vo,
27.	Large scale synthesis of high purity carbon nanotubes by novel catalytic route.	Synth. React. Inorg. Met.-Org. Nano-Met. Chem., 2013. (Accepted)	R. Ravindra and BadekaiRamachandraBhat.
28.	Thermal and antibacterial studies of novel Lanthanide Schiff base complexes	Synth. React. Inorg. Met.-Org. Nano-Met. Chem., 2013. (Accepted)	A.S. Ramasubramanian, B. RamachandraBhat and R. Dileep
29.	Magnetically induced orientation of Zn-Ni alloy coatings for better corrosion protection,	Journal of <i>Magnetism and Magnetic Materials</i> , 345(2013)48–54.	Va ishaka R. Rao and A. Chitharanjan Hegde
30.	Electrofabrication of nanostructured multilayer coatings for better corrosion protection	<i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2013, 4 (3), P. 409–416.	R. R. Vaishaka, A. C. Hegde
31.	Nanofabricated multilayer coatings of Zn-Ni alloy for better corrosion protection	<i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013, 49(6), pp. 693–698.	Vaishaka R. Rao and A. Chitharanjan Hegde,
32.	Synergistic Effect of Gelatin and Glycerol on Electrodeposition of Zn-Ni Alloy,	<i>Metallurgical and Materials Transaction-B</i> , (2013) 44 (5) p.1236-1242.	Vaishaka R. Rao and Ampar Chitharanjan Hegde
33.	Effect of heat treatment on structure and properties of multilayer Zn-Ni alloy coatings,	<i>J. Electrochem. Sci. Eng.</i> 3(4) (2013) 137-149.	Vaishaka R. Rao, A. Chitharanjan Hegde K.Udaya Bhat,
34.	Surface modification by multilayered Zn-Co alloys coatings	<i>Surface Engineering</i> , (2012), Vol. 28(1) 49-56.	Yogeshha, S. and A. Chitharanjan Hegde,
35.	Antifouling and performance enhancement of polysulfone ultrafiltration membranes using CaCO ₃ nanoparticles	Desalination 322 (2013) 69–75	Abhinav K. Nair, Arun M. Isloor, Rajesha. Kumar, A.F. Ismail

36.	Click chemistry approach: Regioselective one-pot synthesis of some new 8-trifluoromethylquinoline based 1,2,3-triazoles as potent antimicrobial agents	European Journal of Medicinal Chemistry 74 (2014) 324e332	B. Garudachari , Arun M. Isloor, M.N. Satyanarayana, Hoong-Kun Fun , Gurumurthy Hegde
37.	Design and regioselective synthesis of trifluoromethylquinolone derivatives as potent antimicrobial agents	European Journal of Medicinal Chemistry 68 (2013) 422e432	B. Garudacharia, Arun M. Isloor, M.N. Satyanarayana, Hoong-Kun Fun, N. Pavithra, Ananda Kulal
38.	Synthesis and biological evaluation of novel substituted 1,3,4-thiadiazole and 2,6-di aryl substituted imidazo [2,1-b] [1,3,4] thiadiazole derivatives	European Journal of Medicinal Chemistry 71 (2014) 316e323	B. Chandrakantha , Arun M. Isloor, Prakash Shetty , Hoong Kun Fun , Gurumurthy Hegde
39.	Miscibility, water uptake, ion exchange capacity, conductivity and dielectric studies of poly (methyl methacrylate) and cellulose acetate blends.	J. Appl. Polym. Sci., 2013, 130, 3074–3081.	H.S. SreekanthaJois and Denthaje Krishna Bhat
40.	Volumetric, Acoustic, and Refractometric Study of Cyclic Alanine in Aqueous Cobalt Chloride Solutions at Temperatures T = (293.15 to 313.15) K,	J ChemEngg Data, 2013, 58, 271–278.	V R Karanth and Denthaje Krishna Bhat,
41.	Partial Molar Volume and Partial Molar Isentropic Compressibilities of Betaine in Aqueous KCl and MgCl ₂ Solutions at Temperatures T = (288.15 to 318.15) K,	ThermochimicaActa, 2013, 572, 23– 29.	Vijayanapati Ramesh Karanth, AkshayHebbar and Denthaje Krishna Bhat,
42.	Miscibility, Conductivity and Dielectric Studies of Poly(methyl methacrylate) and Cellulose acetate propionate Blends.”	International Journal of Chemical Studies, 2013, 1(4), 12-21. ISSN: 2321-4902.	Denthaje Krishna Bhat and H. S. SreekanthaJois,
43.	Synthesis, Characterization, Thermal and Antimicrobial studies of N-substituted Sulfanilamide derivatives,	Journal of Molecular Structure, 2014, 1060, 280–290.	Manu Lahtinen, JyothiKudva , PoornimaHegde , Krishna Bhat , ErkkiKolehmainen , Nonappa , Venkatesh , DamodaraNaral,
44.	Tubular array, dielectric, conductivity and electrochemical properties of biodegradable gel polymer electrolyte,	Materials Science and Engineering: B, 2014, 180, 12–19.	Y. N. Sudhakar, M. Selvakumar and D. Krishna Bhat,

45.	Miscibility and conductivity studies of Poly(methyl methacrylate) and Cellulose acetate phthalate blends,	Procedia Materials Science, 2014.	Denthaje Krishna Bhat* and H.S. SreekanthaJois
46.	Identification and characterization of novel indole based small molecules as anticancer agents through SIRT1 inhibition	European Journal of Medicinal Chemistry, (2013), 69, 125-138.	Naveen P, D. Udayakumar, Venkat K P, Mallika A, Yogeewari P, Sriram D, Vijith Kumar.
47.	Synthesis and study of optical properties of linear and hyperbranched conjugated polymers containing thiophene and triphenylamine units.	Designed Monomers and Polymers. (2014), 17 (1), 7-18.	Prashanth Kumar K.R, Murali M.G and D. Udayakumar.
48.	Design and synthesis of new low band gap organic semiconductors for photovoltaic applications.	SPIE Proceedings Vol. 8987, 2014	M.G. Murali and D. Udayakumar
49.	Regioselective synthesis of polyfunctionalized pyrroles via solvent- and catalyst-free one pot three component protocol	<i>Tetrahedron Lett.</i> , (2013) vol. 54, 5577-5582.	Subrahmanya I. Bhat. and Darshak R.Trivedi
50.	A highly efficient and green cascade synthesis of 3-methyl-substituted-4-hydroxy-1-methyl-quinolin-2(1H)-ones under solvent- and catalyst-free conditions	<i>RSC Advances</i> , (2014) Vol. 4, 11300-11304	Subrahmanya I. Bhat. and Darshak R.Trivedi
51.	Dual Colorimetric Receptor with Logic Gate Operations: Anion Induced Solvatochromism	<i>New Journal of Chemistry</i> , (2014), Vol. 38, 1484-1492	Madhuprasad, N. Swathi, J. R. Manjunatha, Uttam Kumar Das, A. Nityananda Shetty and Darshak R. Trivedi.
52.	Naked-eye" Detection of Inorganic Fluoride Ion in Aqueous Media Using Base Labile Proton: A Different Approach	<i>Journal of Fluorine Chemistry</i> , (2014), Vol. 160, 1-7	Madhuprasad and Darshak R. Trivedi

Department of Electronics And Communication Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	BER Performance comparison of coded Communication systems under different turbulence conditions of free space optical channel	Trends in opto-electro and optical communications, Vol4, No.1, March 2014	Savitha H M and Muralidhar Kulkarni
2.	Efficient Algorithm for Contrast Enhancement of Natural Images	The International Arab Journal of Information Technology, vol. 11, no.1, pp. 96-102, January 2014. Indexed by SCI, Thomson ISI,	Shyam Lal Mahesh Chandra

		Scopus (Elsevier), Impact Factor: 0.390, & [ISSN No. : 1683-3198(Print)].	
3.	BER Performance Enhancement for Secure Wireless Optical Communication Systems Based on Chaotic MIMO	Techniques Nonlinear Dynamics, An international Journal of Nonlinear Dynamics and Chaos in Engineering Systems, (SPRINGER), DOI: 10.1007/s11071-013-1044-z., September 2013.	Lwaa Faisal Abdulameer Jokhakar Jignesh D U. Sripati Muralidhar Kulkarni
4.	A Variable Length Distributed Source Coding Algorithm for WSNs	International Journal of Advanced Computer Research, Volume 3, Number 3, Issue 11, September 2013 issue, ISSN: 2249-7277	K S Shivaprakasha Muralidhar Kulkarni
5.	Low voltage, Low power Chebyshev filter in 0.18 μm CMOS Technology	Journal of Circuits, Systems and Computers, World Scientific Publishing Company, ISSN: 0218-1266, Vol.22, No.7, August 2013.	Rekha S Laxminidhi T
6.	A nonlinear level set model for image deblurring and denoising	The Visual Computer - International Journal of Computer Graphics (SPRINGER Publications), DOI 10.1007/s00371-013-0857-6, Published Online, June 2013.	A.A. Bini M.S. Bhat
7.	BER Performance Enhancement for Secure Wireless Communication Systems based on DCSK- MIMO Techniques under Rayleigh Fading Channel	Radio electronics and Communications Systems”, (SPRINGER) Vol. 56, No. 10, pp. 481-492, 2013.	Lwaa Faisal Abdulameer Jokhakar Jignesh D U. Sripati Muralidhar Kulkarni
8.	Anti-Jamming Performance of Communication Systems based on Chaotic Modulation and MIMO Schemes over AWGN Channels	European Journal of Scientific Research, Vol. 102, Issue, 2013.	Lwaa Faisal Abdulameer Jokhakar Jignesh D U. Sripati Muralidhar Kulkarni
9.	Performance Analysis of Energy Efficient Modulation and Coding Schemes for Wireless Sensor Networks	International Journal of Parallel, Emergent and Distributed Systems , Taylor & Francis, ISSN 1744-5760 (Print), 1744-5779 (Online), IF: 0.4, H-Index -15., 2013	K S Shivaprakasha Muralidhar Kulkarni Raghavendra Patkar
10.	Improved Network Connectivity using Energy Aware Threshold based Efficient Clustering (EATEC) Algorithm for Wireless Sensor Networks	International Journal of Computer Applications (IJCA), ISSN: 0975-8887, IF: 0.814, 2013	K S Shivaprakasha Muralidhar Kulkarni
11.	Image Reconstruction from Fan-Beam Projections without Back-Projection Weight in a 2-D Dynamic CT: Compensation of Time- Dependent Rotational, Uniform Scaling and Translational Deformations	Open Journal of Medical Imaging, Vol. 3 No. 4, pp. 136-143, 2013	A V Narasimhadhan A Sharma and D Mistry

Department of Electrical and Electronics Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Modeling a Grid Connected Photovoltaic System with Perturb and Observe based Maximum Power Point Tracking”,.	International Journal of Distributed Generation and Alternate Energy, Taylor and Francis, Vol 28, Issue-4, pp-49-72,2013	Anant Naik, Udaykumar R.Y,”
2.	"Development of Wave Turbine Emulator in the Laboratory Environment"	International Journal of Emerging Electric Power Systems (IJEEPS), Accepted for publication	Vinatha U, K.P.Vittal,
3.	“Power Control Strategy for Grid Connected Permanent Magnet Synchronous Generator of a Distributed Generation Unit”.	International Journal of Electrical Power and Energy Systems, INDERSCIENCE publications- Accepted	Vinatha U, Vittal K.P,
4.	Impact of wind mill penetration on short circuit current levels of Over head radial distribution feeder - a simulation study	Journal of Electrical Engineering, Romania, 2013. (Communicated).	Arthi Sahaya Rones V, K P Vittal
5.	Performance Comparison of Synchronous Machine Models in a Series Compensated System	Accepted for publication in the IEEE Transaction on Power Systems, 2014	Shashidhar M.K and Shubhanga K.N
6.	“Use of Genetic Algorithm to Determine Lightning Channel-Base Current-Function Parameters”	IEEE Trans. Electromagn. Compat., January 2014.	Chandrasekaran Kandasamy, Gururaj S Punekar
7.	Location Movement and Multiplicity Attributes of Sink in Query based Wireless Sensor Networks	International Journal of Computer Aided Engineering and Technology (IJCAET) [Accepted], INDERSCIENCE Publisher, UK.	Pramod Kumar, Ashvini Chaturvedi,
8.	A Geographical Location Aware Energy Efficient Routing Scheme for Query Based Wireless Sensor Networks	Journal of Electrical Engineering,(ISSN: 1582-4594) Vol.13, No.2, pp. 228-235, 2013.	Pramod Kumar, Ashvini Chaturvedi & Shraddheya Shrivastava
9.	“Autoconnected Transformer Based 20-Pulse AC-DC Converter for Telecommunication Power Supply”	IEEE Trans. on Industrial Electronics, vol. 60, no. 10, pp. 4178-4190, Oct. 2013	R. Kalpana, G. Bhuvaneswari and Bhim Singh

Department of Humanities, Social Sciences and management

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	A Need Based Approach for Technical Education in India	International Journal of Business and Innovation ,Vol. 1, Issue 3.	Raghunandhan T. and Sequeira A. H.
2	Strategic Management in Centrally Funded Technical Institutions(CFTIs) in India: A Conceptual Model for Effective Implementation	International Journal of Management Research and Business Strategy , Vol.2, No.1 , 15-32.	Raghunandhan T. and Sequeira A. H.

3	Measurement of Impact of Determinants of Organisational Identification after Merger	Zenith International Journal of Management Research, Vol.8, Aug.2013.	Rashmi Uchil and Sequeira A.H.
4	Demographic factors and investment decision making of individuals	International journal of marketing, financial services and management research, 2:1, 178-188, 2013	Shetty S., Kiran, K.B.,& Sridhar, S.
5	Avenues of investment, choice criteria and it's ranking by urban individual investors	International journal of social sciences and interdisciplinary research (Online journal), 2013(Accepted)	Shetty S., Kiran, K.B.,& Sridhar, S.
6	Performance of Microfinance institutions in south India-A case study	Journal of International Academic Research for Multidisciplinary, Vol.1, 153-168, ISBN No.2320-5083, Sept. 2013.	Rajesha M and Kiran K.B.
7	An Assessment of financial Inclusion as an impact of microfinance – a case study	Asian Journal of Research in Business Economics & Management Vol. IV, Issue-III ISSN:2250 1673, March 2014	Rajesha M and Kiran K.B.
8	Music and Nationalism	Economic and Political Weekly, Vol. XLVIII, 82-83, June 29-July 6, 2013.	Shashikantha K.
9	Marginalised Voices:Towards Creating Counter Images	Asian Journal of English Studies, Vol.2, July, 2013.	Shashikantha K. and Ambika Mallya
10	Identity in Indian Diasporic Writing	Eclectic Representations, Vol.3, 235-243, July, 2013.	Shashikantha K. and Rajesh N.S.
11	A Study on the Impact of Quota Removal on the Textile and Clothing Industry in Karnataka State	International Journal of Economy, Management and Social Sciences (2306-7276) (TI Journals, Technology Institute of Dadaab, May 18, 2013).	Ramanna Shetty, Kiran K.B, Mihir Dash
12	Outsourcing and Competitive Advantage	International Journal of Research in Commerce and Management, Vol 4(5), May 2013	Bijuna C. Mohan
13	An Empirical Investigation of the Day-of- the-Week Effect on Stock Returns and Volatility: Evidence from Indian Stock Market	International Research Journal of Commerce, Business and Social Sciences, Vol. 6, ISSN 2277 – 9310, June 2013	Suprabha K. R
14	Teaching and Learning English Language in Technology Driven Environment	An Interdisciplinary international referred research journal, 6, 43-49. Year:2013	S. Pavan Kumar, Mr. P. Sambaji Rao

Department of Information Technology

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Enhanced LBS Discovery in a Decentralized Registry Based Web Services Environment	International Journal on Web Engineering (JWE) , Rinton Press (Princeton, New Jersey), JWE Vol.13 No.1&2, pg: 1- 23, ISBN: 1540-9589, March 2014	Melwyn D'Souza V.S. Ananthanarayana
2	A Parallel Fuzzy C Means Algor'm for Brain Tumor Segmentation on Multiple MRI Images	Adv. in Intelligent Systems & Computing Springer India, 2013, Vol. 174, pg: 787-794	Aarthi R, Ananya S, Andrea D'Souza, Megha Arakeri and G Ram Mohana Reddy
3	A Gene Expression Based Quality of Service Aware Routing Protocol for Mobile Ad Hoc Networks	Lecture Notes in Electrical Engg Springer-Science, New York, USA, 2013. Vol. 131, pg 283-290	Yeshavanta Kubusada Giridhar M Kiran M Ram Mohana Reddy G
4	Computer-aided diagnosis system for tissue characterization of brain tumor on magnetic resonance images	Signal, Image and Video Processing, Springer. April 2013	Megha. P. Arakeri G. Ram Mohana Reddy
5	Mobility Aware-Termite: A Novel Bio Inspired Routing Protocol for Mobile Ad Hoc Networks	IET Journal of Networks, June 2013	Kiran M G. Ram Mohana Reddy
6	Enhanced Beta Trust Model for Identifying Insider Attacks in Wireless Sensor Networks	International Journal on Computer Science and Network Security, Vol. 13, No. 8, pg 14-20, August 2013	Geetha.V K. Chandrasekaran
7	Performance Enhancement of BWR Mechanism in 802.16 WiMAX Networks by Cyclic Prefix Insertion and Circularity	International Journal of Computer Networks and Wireless Communications (IJCNC), Vol. 3, No. 4, pg 362-369, August 2013	Vikas N P Raunak Omar Sunil Kumar S Aravinda Geetha.V
8	Genome Data Classification Based on Fuzzy Matching	CSI Transactions on ICT (CSIT), Springer, Vol. 1, No. 1, pg 9-28	N. Patil D. Toshniwal, K. Garg,
9	Clustering Genome Data Based on Approximate Matching	International Journal of Data Analysis Techniques and Strategies (IJDATS) Inderscience, Vol. 5, No. 2, pg 122-147	N. Patil D. Toshniwal K. Garg,

Department of Mathematical And Computational Sciences

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Expanding the applicability of Tikhonov's regularization and iterative approximation for ill-posed problems,	Journal of Inverse and Ill-Posed Problems, DOI. 10.1515/jip-2013-0025	V.Vasin and S.George
2	Expanding the applicability of a two step Newton Lavrentiev method for ill-posed problems	Journal of Nonlinear Analysis and Optimization: Theory & Applications, Vol.4, 2(2013), 1-15.	Ioannis K. Argyros and Santhosh George

3	Extending the applicability of Newtons method on Riemannian manifolds with values in a cone	Asian-European J. Math. Vol. 6, No.3(2013) 1350041(15 pages) (World Scientific) DOI: 10.1142/S1793557113500411	Ioannis K. Argyros and Santhosh George
4	Expanding the Applicability of Lavrentiev Regularization Methods for Ill-posed Problems,	Boundary Value Problems 2013, 2013:114	Ioannis K. Argyros, Yeol Je Cho and S.George (2013)
5	Newton Lavrentiev Regularization for ill-posed operator equations in Hilbert scales	Applied Mathematics and Computation, Vol. 219,(24), 1119111197.	S.George, S.Pareth and M. Kunhanandan
6	Expanding the applicability of a modified Gauss-Newton method for solving nonlinear ill-posed problems	Applied Mathematics and Computation, Vol. 219 (21), 10518-10526	Ioannis K. Argyros and Santhosh George
7	On the semilocal convergence of a two-step Newton-like projection method for ill-posed equations	Appl. Math.(Warsaw) 40 (2013), 367-382 DOI: 10.4064/am40-3-7	Ioannis K. Argyros and Santhosh George
8	Newton type iteration for Tikhonov regularization of non-linear ill-posed Hammerstein type equations	J. Appl. Math. Comput. DOI 10.1007/s12190-013-0681-1.	S.George and M.E.Shobha
9	Modification of the Kantorovich -type conditions for Newton's method involving twice-Frechet differentiable operators,	Asian-European J. Math.Vol.6, No.3 (2013), 350026(13pages) (World Scientific), DOI: 10 . 1142/ S1793557113500265.	Ioannis K. Argyros and Santhosh George
10	Chebyshev-Kurchatov-type methods for solving equations with non-differentiable operators	Nonlinear Functional Analysis and Applications, V. 18, 3, pp 421-432	Ioannis K. Argyros and Santhosh George
11	An extension of a theorem by B.T. Polyak on gradient-type methods,	Nonlinear Functional Analysis and Applications, V 18, 3, pp.411-420	Ioannis K. Argyros and Santhosh George
12	On Improving the Semilocal Convergence of Newton-Type Iterative Method for Ill-Posed Hammerstein Type Operator Equation	IAENG, Int J. Appl. Math, Volume 43 Issue 2, Pages 64-70	M. E. Shobha and S. George
13	Inertia Effects in Rheodynamic Lubrication of an Externally Pressurized Thrust Bearing using Bingham Lubricant with Sinusoidal Injection	Journal of Applied Fluid Mechanics, Vol.6, No.4, (2013), pp.609-616.	I. J. Amalraj, S. Narasimman, and A. Kandasamy
14	Core Variation in the Entrance Region Flow of Casson Fluid in an Annuli	Applied Mechanics and Materials, vol 391, 2013, pp 376-381	Rekha G.Pai, A.Kandasamy
15	Two conjectures on graceful digraphs	Graphs and Combinatorics, Vol 29(4), 933-954, 2013	S. M. Hegde, Shivarajkumar
16	Strong minimum energy 2-hop rooted topology for	J. Combinatorial Optimization, 20th Nov, 2013 (online)	B.S.Panda, D.Pushparaj Shetty

	hierarchical wireless sensor networks		
17	Minimum Interference Strong Bidirectional topology for Wireless sensor networks	International journal of Ad. Hoc and ubiquitous computing, Vol 3/4 pp. 187-197, 2013.	B.S. Panda, D.Pushparaj Shetty
18	More results on column sufficiency property in Euclidean Jordan algebras	Annals of Operations Research, 20th Sep, 2013 (online)	Jeyaraman, Tao, Ravindran
19	Maximin Degree Domination Number in Graphs and its critical aspects	International Electronic Journal of Pure and Applied Mathematics, Vol 6(3), 139-158	S.S. Kamath and Prameela Kolake
20	Quantification and Morphology Studies of Nanoporous Alumina Membranes: A New Algorithm for Digital Image Processing”, Microscopy and Micro Analysis	Microscopy and Micro Analysis, (Cambridge University Press), Vol. 19, No. 4, pp. 1061-1072, 2013, (Indexing: SCI)	K.S. Chaudhari, P. Jidesh and N.K.Udayashankar
21	A curvature driven image inpainting approach for high density impulse noise removal	AJSE (Springer), Vol. 39, No. 5, pp. 3691-3713, 2014, [DOI: 10.1007/s13369-014-0983-0].(Indexing: SCI)	P. Jidesh
22	A derivative free iterative method for the implementation of Lavrentiev regularization method for ill-posed equations	Numerical Algorithms (Springer), DOI: 10.1007/s11075-014-9844-x, 2014. (Indexing: SCI).	V.S. Shubha , S. George and P. Jidesh
23	A convex regularization model for image restoration	Computers and Electrical Engineering (Elsevier), DOI: http://dx.doi.org/10.1016/j.compeleceng.2014.03.013 , In press, 2014. (Indexing: SCI).	P. Jidesh
24	Multiplication Operators with Closed Range in Operator Algebras	Journal of Analysis and Number Theory, Vol. 1, No.1, 1-5, 2013.	P. Sam Johnson
25	A Review of Developments in Web Based Manufacturing	International Journal of Engineering Research and Development, Vol 8(2), August 2013, pp 8-18	Rashmi L. Malghan, Shrikantha Rao, R.J.D'Souza
26	Optimal 1-coverage by homogeneous mobile sensor nodes using hexagonal scheme	Networking Science, Vol 3, Nos 1-4, pp 97-107	Ganala Santhoshi, R.J.D'Souza
27	Fault Tolerant Mobile Sensor Node Travel Schemes Based on Hexagonal Coverage	The Scientific World Journal Volume 2014, pp1-12	Ganala Santhoshi, R.J.D'Souza
28	Weaknesses of a Dynamic ID Based Remote User Authentication Protocol for Multi-Server Environment	Journal of Computer and Communications 2(4) (2014), 196-200.	R. Madhusudhan and A. Praveen

Department of Mechanical Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Parametric Modeling and FPGA based Real Time Active Vibration Control of a Piezoelectric Laminate Cantilever Beam at Resonance	Journal of Vibration and Control (JVC) – Sage Publications available online from January 24, 2014	Arun P Parameswaran and K V Gangadharan
2.	Strain Feedback Active Vibration Control of Smart Cantilever Beam	International Journal of Engineering Research & Technology, Vol. 3 - Issue 1 (January - 2014)	Riessom W., Prakash Rao, Prasad Krishina, K.V. Gangadharan
3.	Design of Virtual Instrumentation approach for A Multi-Purpose online Mechanical Vibration Experiment Using Labview	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), e-ISSN: 2278-1684, p-ISSN: 2320-334X PP 68-71	Gurumurthy B M, Harisha.S.R, Subramanya R Prabhu,, K.V.Gangadharan
4.	Implementation of Real Time Condition Monitoring of a Single Degree Freedom System Using Skyhook Control	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), e-ISSN: 2278-1684, p-ISSN: 2320-334X, PP 77-80	Harisha S R, Subramanya R Prabhu B, K V Gangadharan
5.	Design, Synthesis and fabrication of Magneto Rheological Fluid Damper for low Frequency Application	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X PP 60-63	Subramanya R Prabhu B, Harisha S R, K V Gangadharan
6.	Active Vibration Control of a Smart Cantilever Beam on General Purpose Operating System	Defense Science Journal, Vol. 63, No. 4, July 2013, pp. 413-417	Arun P. Parameswaran, Avinash B. Pai, Prashant K. Tripathi, K V Gangadharan
7.	On the suitability of carbon dioxide in forced circulation type secondary loops	Int. Journal of Low-Carbon Technologies, 9 (2014) 85-90.	Ajay K Yadav, Souvik Bhattacharyya, M. Ram Gopal,
8.	Fault Diagnosis of Bearings through Vibration Signal Using Bayes Classifiers”, International Journal of Computer Aided Engineering and Technology	International Journal of Computer Aided Engineering and Technology, Vol 6, No.1, 2014.	Hemantha kumar, T.A. Ranjit Kumar, M. Amarnath and V. Sugumaran
9.	Fault Diagnosis of Helical Gear Box using Decision tree and Best – First Tree	International Journal of Research in Mechanical Engineering, Vol.1, Issue 1, pp. 22-33, 2013.	M. Amarnath, Deepak Jain, V. Sugumaran, and Hemantha kumar
10.	Fault Diagnosis of Helical Gear Box using Naïve Bayes and Bayes Net	International Journal of Decision Support Systems, Status:- In Press.	M. Amarnath, Deepak Jain, V. Sugumaran, and Hemantha kumar
11.	Experimental investigations on performance characteristics in Wire EDM of Ti ₅₀ Ni ₄₂ Cu ₇ shape memory alloy	Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering	S. Narendranath, M. Manjaiah, S. Basavarajappa, V. N. Gaitonde,

		Manufacture, vol. 227 no. 8 1180-1187,	
12.	A Review on Machining of Titanium Based Alloys Using EDM and WEDM	Advanced materials Science Journal, 36, 14-34,	M Manjaiah, S Narendranath, S Basavarajappa
13.	Nonconventional Machining of Shape Memory Alloys: A Review	Transactions of Nonferrous Metals Society of China, 24, 12-21,	M. Manjaiah, S. Narendranath, S. Basavarajappa
14.	Some Investigations on Wire Electric Discharge Machining Characteristics of Titanium Nickel Shape memory Alloy	Transactions of Nonferrous Metals Society of China (Accepted for Publishing)	S. Narendranath, M. Manjaiah, S. Basavarajappa, V. N. Gaitonde,
15.	Effect of equal channel angular pressing on AZ31 wrought magnesium alloys	Journal of Magnesium and Alloys	Muralidhar Avvari, S. Narendranath, H. Shivananda Nayaka
16.	Equal Channel Angular pressing processing of wrought AZ31 alloy	International Journal of Advances in Engineering Sciences	Muralidhar Avvari, S. Narendranath, H. Shivananda Nayaka
17.	Improvement of mechanical properties of FCC & HCP structured materials processed by equal channel angular pressing	International Journal of Scientific and Engineering Research	Muralidhar Avvari, S. Narendranath, H. Shivananda Nayaka
18.	Static behavior of FG-CNT polymer nano composite plate under elevated non-uniform	Procedia Engineering, 2013, 64, 825-834.	P. Jeyaraj and I. Rajkumar
19.	Bending, Buckling and Free vibration behavior of FG-CNT reinforced polymer composite beam under non-uniform thermal load	Journal of Materials: Design and Applications, Proceedings of the Institution of Mechanical Engineers, Part L, on-line, DOI:10.1177/1464420713493720	Mayandi and Jeyaraj P.
20.	Synergy of fiber length and content on free vibration and damping behavior of natural fiber reinforced polyester composite beams	Materials and Design, (Accepted In Press).	K. Senthil Kumar, I. Siva, P. Jeyaraj, J T Winowlin Jappes, Amico C Sandro and N Rajini
21.	Numerical Approach for fabrication of micro mixers using Microstereolithography	Procedia Material Science (Accepted)	Sidharthan S, A Daniel Gandhi, N Balashanmugam, P Jeyaraj
22.	Static Behaviour of Visco-Elastic Sandwich Plate with Nano-Composite Facings Under Mechanical Load	Procedia Material Science (Accepted)	Prakashkumar K,
23.	Experimental investigation on thermally enhanced machining of high chrome white cast iron and to study its machinability characteristics using Taguchi method and artificial neural network	International Journal of Advanced Manufacturing Technology, Accepted. March 2014.	A.M. Ravi, S.M. Murigendrappa and P.G. Mukunda.

24.	Machinability investigations on high chrome white cast iron using multi coated hard carbide tools	Transactions of the Indian Institute of Metals, Accepted. March 2014.	A.M. Ravi, S.M. Murigendrappa and P.G. Mukunda.
25.	A comparison of different methods for determination of coupling factor and velocity response of coupled plates,	Journal of Vibroengineering, 15(4), 2013	Achuthan C. Pankaj, Sridhar Sastry, S. M. Murigendrappa
26.	Compressive and flexural properties of functionally graded fly ash cenosphere-epoxy resin syntactic foams	Polymer Composites (John Wiley), In press, 2014.	Mrityunjay Doddamani, Kishore, Vasanth Chakravarthy Shunmugasamy, Nikhil Gupta and Vijayakumar H. B.
27.	Compressive properties of sandwiches with functionally graded rubber core and jute-epoxy skins	Bulletin of Materials Science (Springer),36, 2, 319-328, 2013.	Doddamani, M.R. and Kulkarni, S.M.
28.	Significance of Axial Heat Conduction in Non-Isothermal Adsorption Process in a Desiccant Packed Bed	International Journal of Thermal Sciences. Volume 76, February 2014, Pages 68-81.	K.A. Ramzy, Ravikiran Kadoli, T.P. Ashok Babu
29.	Low Cost CPM Machine for Knee Joint	Applied Mechanics and Materials, Vol. 215-216, pp. 125-132, 2012	S.S.Metan, Prasad Krishna, G.C.Mohan kumar
30.	Morphological and Thermal Properties of Maize fiber Composites	Fibers and Polymers, Vol.13, No.7, pp.887-897, 2012	Saravana Bavan D. G.C.Mohan Kumar
31.	Low cost Automation for CNC Machining Center	International Journal of Mechanical Engineering and Technology, Vol.3, issue 2, pp. 806-816, May 2012	Patel CH, Viswas Puttige Mohan Kumar G C
32.	Machinability of Bearing Steels by Face Turning Method	International Journal of Scientific & Engineering Research Volume 3, Issue 6, June-2012	Rajshekhhar L, R.Manu, Prasad Krishna, Mohankumar.G.C
33.	Experimental Study on Cooling Rate of Centrifugal Casting Based on Grain Size	International Journal of Scientific & Engineering Research, Volume 3, Issue 1, January-2012	Madhusudhan, Narendranath S, G.C.Mohan Kumar
34.	Viability analysis of solar parabolic dish stand-alone power plant for Indian conditions	Applied Energy Vol.102, (2013), pp 908-922	K. S. Reddy and G. Veershetty,
35.	A numerical study of the unsteady interaction effects on diffuser performance in a centrifugal compressor	ASME Journal of Turbomachinery, 2014, Vol. 136, pp. 1-10	S Anish N Sitaram and H D Kim
36.	Hot corrosion behavior on as-received and HVOF cermet coated Ti-6Al-4V alloy	Trans Indian Inst Met., 67(1), 87-93	Jegadeeswaran N, Udaya Bhat K, Ramesh M R, Prakarthi S

37.	Hot Corrosion Studies on As-received and HVOF Sprayed Al ₂ O ₃ +CoCrAlTaY on Ti-31 Alloy in Salt Environment	Procedia Engineering, 2013, 64, 1013 – 1019	Jegadeeswaran N, Udaya Bhat K, Ramesh M R
38.	Combating Corrosion Degradation of Turbine Materials Using HVOF Sprayed 25% (Cr ₃ C ₂ -25(Ni ₂₀ Cr)) + NiCrAlY Coating	International Journal of Corrosion, 01 to 11	N. Jegadeeswaran, M. R. Ramesh, K. Udaya Bhat
39.	Parametric studies for determining machinability of carbon and alloy steel	International Journal of Earth Sciences and Engineering	Rajshekhar Lalbondre, Prasad Krishna
40.	Parametric studies for determining machinability of carbon and alloy steels	International Journal of Earth Sciences and Engineering, pp-130-134	Rajshekhar Lalbondre, Prasad Krishna and Mohankumar.G.C
41.	A Review on Application of Artificial Neural Networks for Injection Moulding and Casting processes	International Journal of Advances in Engineering Sciences, 3,1 pp. 1-12	Manjunath Patel, and Prasad Krishna
42.	Low Cost Data Acquisition and Control using Arduino Prototyping Platform and LabVIEW.	International Journal of science and Research (IJSR), 2,2 pp. 366-369	Naveenkumar R., and Prasad Krishna
43.	Machinability Studies of Low Alloy Steels by Face Turning Method: An Experimental Investigation	Procedia Engineering, 64, pp. 632-641	Rajshekhar Lalbondre, Prasad Krishna and Mohankumar.G.C
44.	Design and Development of Autonomous Surface Exploring Vehicle	International Journal of Computer Applications, 66(2)	Teka, B and Prasad Krishna
45.	Nanofluids: Future Working Fluid for Heat Exchanging Devices	International Journal of Engineering Researces and Industrial Applications, Vol.6, 203-220	B. K. Sonage ,P. Mohanan
46.	Estimation of Thermo-Physical and Transport Properties with Bayesian Inference Using Transient Liquid Crystal Thermography Experiments	Journal of Physics: Conference Series, 395, 2013	B. Konda Reddy, N. Gnanasekaran, C. Balaji
47.	Markov Chain Monte Carlo (MCMC) Approach for the Determination of Thermal Diffusivity Using Transient Fin Heat Transfer	International Journal of Thermal Sciences, 63, 46-54, 2013	N. Gnanasekaran, C. Balaji
48.	Analysis and Experimental testing of a built-up composite cross arm in transmission line tower for mechanical performance	Composite Structures, Vol. 96, 2013	Munuswamy Selvaraj, Satyabodh Kulkarni and Ramamurthy Ramesh Babu
49.	Heterogeneous Locational Optimization using Generalized Voronoi Partition	International Journal of Control, 2013, 86(6), 977-993	K.R. Guruprasad and DebasishGhose

50.	Performance of a Class of Multi-Robot Deploy and Search Strategies based on Centroidal Voronoi Configurations	International Journal of Control, 44(4), 680-699	K.R. Guruprasad and Debasish Ghose
51.	Experimental and Theoretical Investigations on the Cyclic operation of TSA Cycle for Air Dehumidification Using Packed Beds of Silica Gel Particles	Energy, 2013, 56, 8-24	Ramzy K, Ravikiran Kadoli, T. P. Ashok Babu
52.	Thermocouple error correction for measuring the flame temperature with determination of emissivity and heat transfer coefficient	Rev. Sci. Instrum., 2013, 84	V. Hindasageri, R. P. Vedula and S, V Prabhu

Department of Mining Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Assessment of Mine Waste Water, Its Impact and Management at Surkha Lignite Mine, Gujarat, India	International Journal of Earth Sciences and Engineering, 6, No.2, ISSN: 0974-5904	Sheoran V., Choudhary R. P., Poonia P., Tholia N. K., Inaniya M. and Sheoran A. S.
2.	Analysis of behavior of a tunnel and surrounding strata using 3DEC numerical modeling	Case study of an U/G metro rail project organized by Central Board of Irrigation & Power in association with International Society for Rock Mechanics (Indian Group)	Sastry V.R. Shivshakar, Nalini Rebello
3.	The role of occupational activities and work environment in occupational injury and interplay of personal factors in various age groups among Indian and French coal miners	International journal of Occupational Medicine and Environmental Health. Vol: 26 (6) ISSN/ISBN/ACCN No. 1077-3525, October, 07, 2013	A. Bhattacharjee, B.M. Kunar, and N. Chau
4.	Regression analysis and ANN models to predict rock properties from sound levels produced during drilling	International Journal of Rock Mechanics and Mining Sciences; 2013; Elsevier Vol: 58(1) page No. 61-72	Rajesh Kumar, B., Vardhan, H., Govindaraj, M. and Vijay, G. S.
5	Artificial neural network model for prediction of rock properties from sound level produced during drilling	International Journal of Geomechanics and Geoengineering:-2013; Taylor and Francis Vol: 8(1) page No. 53-61	Rajesh Kumar, B., Vardhan, H. and Govindaraj, M.
6	Development of Optimum Lighting Design Parameters for Street Lighting Projects Using MATLAB Software Program	International Journal of Emerging Technology and Advanced Engineering. 2013, Sept. Vol:2, ISSN 2250-2459	Ch.S.N. Murthy, Co-author Ganapathi D.M

7	Development of Optimum Lighting Design Parameters for Street Lighting Projects Using MATLAB Software Program	International Journal of Engineering Science and Innovative Technology 2013, Oct , Vol:2	Ch.S.N. Murthy
---	--	---	----------------

Department of Metallurgical And Materials Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Microbial Effects On Heat Treated 316L Weldments In Marine Water	Advanced Materials Research Vol. 794 pp 606-617	Kripa M Suvarna, K. RajendraUdupa & A. O. Surendranathan
2	Corrosion studies on 316L fusion zone and base metal in natural sea water by weight loss method	Journal of Metallurgy and Materials Science, Vol. 55, No. 2, pp. 159-166	Kripa M. Suvarna, K. Rajendra Udupa & A. O. Surendranathan
3	Sathyanarayan and K.N.Prabhu, Comparison of spreading behaviour and development of interfacial microstructure in Sn-0.7Cu, Sn-0.3Ag-0.7Cu and Sn-2.5Ag-0.5Cu lead-free solder alloys on Fe-42Ni substrate	Materials Science and Technology. 29 (4), 2013, 464-473	Sathyanarayan and K. N.Prabhu
4	Reactive wetting of Sn-2.5Ag-0.5Cu solder on copper and silver coated copper substrates	Journal of Materials Science: Materials in Electronics, 24(5), 2013, 1714-1719	Sathyanarayan and K.N.Prabhu
5	Wetting kinematics and spreading behaviour of water based aluminium nanofluids during immersion quenching	International Heat Treatment and Surface Engineering, 7(2), 2013, 74-78	G. Ramesh and K.N.Prabhu
6	Wettability of Root Canal Sealers on Intraradicular Dentine Treated with Different Irrigating Solutions	Journal of Dentistry 41(6) 2013 556-560	N.V.Ballal, A. Tweeny, K. Khechen, K. N. Prabhu, Satyanarayan and F. R. Tay
7	The effect of addition of copper nanoparticles on wetting behaviour of water during immersion quenching	Transactions of the Indian Institute of Metals 66(4) 2013 375-379	G. Ramesh and K.N.Prabhu
8	Dimensionless cooling performance parameter for characterization of quench media	Metallurgical and Materials Transactions B, 44, (4), 2013, 797-799	G. Ramesh and K.N.Prabhu
9	Spreading behaviour and evolution of IMCs during reactive wetting of SAC solders on smooth and rough copper substrates	Journal of Electronic Materials 42 (8) 2013 2696-2707.	Sathyanarayan and K.N.Prabhu
10	Review of Microstructure Evolution in Sn-Ag-Cu Solders and its Effect on Mechanical Integrity of Solder Joints	Journal of Materials Science: Materials in Electronics 24 (9) 2013 3149-3169	Mrunali Sona and K.N.Prabhu

11	The effect of addition of strontium and cerium modifiers on microstructure and mechanical properties of hypereutectic Al-Si (LM30) alloy	Materials Performance and Characterization, 2 (1) 2013 Paper ID: MPC20120007, DOI: 10.1520/MPC20120007	Vijeesh V, M. Ravi and K.N. Prabhu
12	Solder joint reliability of Sn-0.7Cu and Sn-0.3Ag-0.7Cu lead-free solder alloys solidified on copper substrates with varying surface roughness	Materials Science and Technology 29(12), (2013), 1430-1440.	Sathyanarayan and K.N.Prabhu
13	Determination of Cooling Performance of Nanofluids for use in Transformers by an Instrumented Copper Probe	Journal of Nanofluids 3 (1), 2014, 38-43	R Devananda, and K.N. Prabhu
14	Review of Microstructure Evolution in Hypereutectic Al-Si alloys and its Effect on Wear Properties	Transactions of the Indian Institute of Metals 67 (1), 2014, 1-18	Vijeesh V and K.N. Prabhu
15	MWCNT nanofluid: An alternative to silicone grease based thermal interface materials	Journal of Nanofluids 3 (2), 2014, 1-6.	Harishankar R and K. N. Prabhu
16	Effect of reflow temperature and substrate roughness on wettability, IMC growth and shear strength of SAC387/Cu bonds	Journal of Materials Science: Materials in Electronics 25 (2), 2014, 864-872	Kiran Bhat, K. N. Prabhu and Sathyanarayana
17	The effect of reflow time on reactive wetting, evolution of interfacial IMCs and shear strength of eutectic Sn-Cu solder alloy	Journal of Materials Science: Materials in Electronics, 25 (3), 2014, 1446-1455	Mrunali Sona and K.N. Prabhu
18	Wetting kinetics, kinematics and heat transfer characteristics of Pongamia Pinnata vegetable oil for industrial heat treatment	Applied Thermal Engineering 65(1-2), 2014, 433-446	G. Ramesh and K.N. Prabhu
19	The effect of thermal conductivity and viscosity on cooling performance of liquid quench media	International Heat Treatment and Surface Engineering, 2014	G. Ramesh and K.N.Prabhu
20	Structural characterization of nano-crystalline Co_3O_4 ultra-fine fibers obtained by sol-gel electrospinning	Journal of Sol-gel Science and Technology, Vol. 67, 256 (2013).	G. George, S. Anandhan
21	Influence of Organically Modified Clay Mineral on Domain Structure and Properties of Segmented Thermoplastic Polyurethane Elastomer	Journal of Elastomers and Plastics, Vol. 46, 217 (2014).	S. Anandhan, H. S. Lee
22	Solution Electrospinning of Styrene-Acrylonitrile Random	International Journal of Plastics Technology, DOI:	T. Senthil, S. Anandhan

	Copolymer from Dimethyl Sulfoxide	10.1007/s12588-013-9053-9.	
23	Fabrication of styrene-acrylonitrile random copolymer nanofiber membranes from N,N-dimethyl formamide by electrospinning	Journal of Elastomers and Plastics, DOI: 10.1177/0095244313514987	T. Senthil, S. Anandhan
24	Mechanical Properties and Sliding Wear Behavior of Jatropha Seed Cake Waste/Epoxy Composites	Journal of Material Cycles and Waste Management, DOI: 10.1007/s10163-014-0235-0.	B. Shivamurthy, K. Murthy, P. C. Joseph, K. Rishi, K. Udaya Bhat, S. Anandhan
25	Influence of nano-aluminum hydroxide on tribological, mechanical and flammability properties of E-glass fabric/epoxy multi-layered laminates	Kautschuk Gummi Kunststoffe (in press).	B. Shivamurthy, G. George, K. Udaya Bhat, S. Anandhan
26	Nanostructured Fly Ash as Reinforcement in a Plastomer-Based Composite: A New Strategy in Value Addition to Thermal Power Station FlyAsh	Silicon, DOI: 10.1007/s12633-014-9194-2	A. G. Patil, A. Mahendran, S. Anandhan
27	Epoxy/glass fabric/silica hybrid composites: Mechanical properties and three body abrasive wear behavior	Advanced Science, Engineering and Medicine, vol 5, pp 1-6, 2013	B. Shivamurthy, S. Anandhan, K. Udaya Bhat
28	Mechanical and sliding wear properties of multi-layered laminates from glass fabric/graphite/ epoxy composites	Materials and Design, 44 (2013), 136-143	B. Shivamurthy, K. Udaya Bhat, S. Anandhan
29	Aluminising of Mild Steel Plates	ISRN Metallurgy, Vol 2013, article ID 191723; 10.1155/2013/191723	K. Udaya Bhat, Prashant Huilgol and J. Jithin
30	ZnO/carbon nanotube nanocomposite for high energy density supercapacitors	Electrochimica Acta, 95, 2013, p119-124	L S Aravinda, K K Nagaraja, H S Nagaraja, K Udaya Bhat, Ramachandra Bhat
31	Effect of deposition time on the morphological features and corrosion resistance of electroless Ni-High P coatings on Aluminum	J of Materials, Vol. 2013, paper id: 985763 , http://dx.Org/10.1155/2013/985763 .	N. Sridhar and K Udaya Bhat
32	Magnetron sputtered MoO3/carbon nanotube composite electrodes of electrochemical supercapacitors	J of Electroanalytical chemistry, vol. 699, 2013, 28-32.	L S Aravinda, K K Nagaraja, K Udaya Bhat, Badekai Ramachandra Bhat

33	Binder free MoO ₃ /multiwalled carbon nanotube thin film electrode for high energy density supercapacitors	Electrochimica Acta, 2013, vol 112, pp663-669	Aravinda L S, K Udaya Bhat, Badekai Ramachandra Bhat
34	Hot corrosion behavior of HVOF sprayed Stellite-6 coatings on gas turbine alloys	Trans Indian Institute of metals; 10.1007/s12666-013—0317-z	N Jegadeeswaran, M R Ramesh, K Udaya Bhat
35	Hot corrosion studies on as-received and HVOF sprayed Al ₂ O ₃ +CoCrAlTaY on Ti-31 alloy in salt environment	Proceedia Engineering, 2013, vol 64, pp1013-1019	N. Jegadeeswaran. M.R. Ramesh, K. Udaya Bhat
36	Oxidation Studies on As-received and HVOF Sprayed Stellite-6 Coating on Turbine Alloys at 800°C	International Journal of Scientific & Engineering Research, Volume 4, Issue 6, June-2013, p214-220	N. Jegadeeswaran, K Udaya Bhat , M. R Ramesh
37	Fabrication of hybrid surface composite through friction stir processing and its impression creep behaviour	ISRN Materials Science, 2013. http://doi.org/10.1155/2013/541762	Prakrathi S., Ravikumar Mairipally, K R Udapa & Udaya Bhat K
38	Hot dip aluminizing of Low carbon steel using Al-7Si-2Cu Alloy baths	Journal of Coatings, 2013, id:180740. http://dx.doi.org/10.1155/2013/180740	Prashanth H., Suma Bhat K Udaya Bhat
39	Nano CeO ₂ /Activated carbon based electrodes for high performance supercapacitors	Materials Letters, 2013, vol 112, pp158-161	LS Aravinda, K Udaya Bhat, B Ramachandra Bhat
40	Combating corrosion degradation of turbine materials using HVOF sprayed 25% (Cr ₃ C ₂ -25(Ni ₂₀ Cr)) + NiCrAlY coating.	International journal of Corrosion, 2013, Article ID 824659; http://dx.doi.org/10.1155/2013/824659	N.Jegadeeswaran, M R Ramesh, K Udaya Bhat
41	Aluminizing of mild steel using Al-11Si-1.2Cu baths	International Journal of Earth Sciences and Engineering, Aug 2013, vol 06, No 04, pp 717-721	M.S. Raju, H. Prashanth K. Udaya Bhat
42	Porous MnO ₂ nano whiskers bunch activated carbon based composite electrodes for high energy density supercapacitor	ECS Solid State Letters, 2013, 2, M61-M63	Aravinda L S., K Udaya Bhat and Ramachandra Bhat B
43	Effect of Nickel sulphate to Hypophosphite ratio on the electroless deposition of Ni-P coatings on aluminium	Advanced Materials Research, 2014, vol 875-877, 1300-1305	Jayalakshmi M. K Udaya Bhat
44	On line Monitoring of Quality of Friction Surfacing.	Advanced Materials Research, 2014, vol 875-877, 1285-1290	Janakiraman S. K Udaya Bhat
45	Flexible binder free functionalized carbon nanotube electrodes for ultracapacitors.	Proceed of SPIE, vol 8987, 89871 K-1, 2014. (eds) F H Teherani, D C look, D J Rogers,	B. Ramachandra Bhat, L. S. Aravinda, K Udaya Bhat
46	Biosynthesis of Lead Selenide Quantum rods in Marine Environment	Mater Lett (2014), http://dx.doi.org/10.1016/j.matlet.2014.03.106i	Jaya Mary Jacob, Raj Mohan B. K Udaya Bhat
47	Diluted magnetism in Mn-doped SrZnO ₂ single crystals	JOURNAL OF APPLIED PHYSICS 114, 123903 (2013)	M. R. Rahman, B. Koteswararao, S. H. Huang,

			Kee Hoon Kim, and F. C. Chou
48	Recycling of Cr-Co alloy for Dental applications	International Journal of Health and Rehabilitation Sciences, Vol. 2 (3), 2013, pn: 140-145.	Ravishankar K. S.
49	Impact Strength Of E-Glass Reinforced PMMA	Journal of evolution of medical and dental sciences", Vol.2 (32), 2013, pn:5971-5979	Merin Mathew, KamalakanthShenoy, Ravishankar K.S

Department of Physics

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Properties of ZnO: Bi thin films prepared by spray pyrolysis technique	Journal of Alloys and Compounds, vol.578, pp.613-619, 2013	Sadananda kumar N., Kasturi V. Bangera and G.K. Shivakumar
2	Polymer Assisted Synthesis and Characterization of Fine ZnWO ₄	J. Mat Sci, Materials in Electronics, Springer vol.24, pp.3812-3822, 2013	A.Santhosh Kumar, KK Nagaraja, HS Nagaraja
3	Polymer Assisted Synthesis and Characterization of Fine ZnWO ₄	Advanced Materials Research 678, 22-26	A Santhosh Kumar, KK Nagaraja, HS Nagaraja
4	Properties of antimony doped zinc oxide thin films prepared by spray pyrolysis technique	Accepted for publication in semiconductors	Sadananda kumar N., Kasturi V. Bangera and G.K. Shivakumar
5	Properties of nanostructured Al doped ZnO thin films grown by spray pyrolysis technique	Accepted for publication in semiconductors	Sadananda kumar N., Kasturi V. Bangera and G.K. Shivakumar

NATIONAL JOURNALS

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)*
1.	Run-up, run-down and reflection characteristics of semicircular breakwater for varying seaside perforations	ISH Journal of Hydraulic Engineering, 18:3, 145-151	Arkal Vittal Hegde, Subba Rao, and Kiran Kumar
2.	Project Performance Evaluation by Earned Value Method and Earned Schedule Method	NICMAR Journal of Construction Management, ISBN 0970-3675, Volume XXVIII, Number 1, Jan-March 2013, pp 31-52	Subrahmanya K. and Shiji S. G
3	Waves in Gulf of Mannar and Palk Bay around Dhanushkodi, Tamil Nadu, India	Current Science, Vol. 104. 2013.	R Gowthaman, V Sanilkumar and Dwarakish G S., Soumya S Mohan, Jai Singh and K Ashok Kumar

Department of Civil Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Properties of porous friction course mixes for flexible pavements.	Indian Highways, 42-3, pp.15-25, 2014.	A.U.Ravi Shankar, Suresha S. N., and Sai Kumar G.M.V.S.
2.	Consistency Evaluation of Horizontal Curves on Rural Highways	Journal of the Indian Roads Congress, 2013	A.U. Ravi Shankar, M.V.L.R. Anjaneyulu and N.J. Sowmya
3.	Post-monsoon equilibrium beach profiles and longshore sediment transport rates at Candolim, Miramar and Keri Beaches of Goa, India	Current Science, vol.106(3); 2014; 408-416	Jaya Kumar Seelam, E. M. Yadhunath, M. Jishad, R. Gowthaman, C. Rajasekaran and P. S. Pednekar
4.	Analysis of behaviour of a tunnel and surrounding strata using 3DEC numerical modelling; case study of and U/G metro rail project	ISRM (India) journal, July 2013 19-22	R. Nalini, R. Shivashankar and V. R. Sastry
5.	Behaviour of prestressed geosynthetic reinforced granular beds overlying weak soil	Indian Geotechnical Journal, Springer publishers, ISSN 0971-9555, 2013	R. Shivashankar and J. Jayamohan
6.	Vehicle Classwise Analysis of Time Gaps and Headways under Mixed Traffic condition for Chennai city	Journal of Institute of Road Transport, 2013, pgs. 1-31	Venkatesan Kanagaraj, Gowri Asaithambi, Karthik K. Srinivasan and Sivanandan, R.
7.	Treatment Options for Pharmaceutical Wastewater Containing Toxic Pyridine Compounds: A Review	NITK Research Bulletin July, 2013, pp 42-52.	Rahul Karale, Basavaraju Manu and S.Shrihari

8.	Warm Mix Asphalt And Comparisons To Hot-Mix Asphalt,	NITK Research Bulletin, 2013 pp. 33-38.	Kokaz, Faris Aswad, and George, Varghese
9.	Shake-Table and Its Applications in Fields of Research in Civil Engineering,	NITK Research Bulletin, 2013 pp. 33-38.	Kumar, Anil, George, Varghese, and Verma, Rakesh
10	Preliminary Studies on Binary, Multinomial, and Generalized Extreme Value Logit Models,	NITK Research Bulletin, 2013 pp. 33-38.	Kanthi, Rohini, and George, Varghese

Department of Chemical Engineering

Sl. No.	Title of Paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Impact of Industrial Activities on the Heavy Metal Concentrations in the Marine Environment of Mangalore	Environment Observer, 16., 277-282.	AkshayGowda KM, Jaya Mary Jacob, Raj Mohan B

Department of Electrical And Electronics Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	"Severity of Lightning Return Strokes: Simulation Study and Review Notes,	ISSN 0511-5728, The West Indian Journal of Engineering, Vol.36, No.2, January 2014	Chandrasekaran Kandasamy, Gururaj S Punekar

Department of Electronics & Communication Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Improved Network Survivability using Multi Threshold Adaptive Range Clustering (M-TRAC) Algorithm for Energy Balancing in Wireless Sensor Networks	Journal of High Speed Networks, ISSN: 0926-6801, IF: 0.38, H-Index 21.	K S Shivaprakasha Muralidhar Kulkarni Nishant Joshi D

Department of Humanities Social Sciences and Management

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Conceptual Framework to Investigate Accessibility and Impact of Financial Inclusion	Indian Journal of Research, Vol.2, Issue 2 , 47-49.	Manohar V. Serrao, Sequeira A. H. and Varambally K.V.M
2	Employee Engagement and Motivation : A case Study	Journal of Indian Management Research and Practices ,Vol. III, Issue 03 , 46-54.	Monika Mohanan , Sequeira A. H. and Sentil Kumar M.S

3	Transition towards Sustainable Transformation: A Case of Microfinance to Micro Enterprises	Nitte Management Review ISSN No. 2231-6043, Vol. 7, 2013	Suprabha K. R
4	Foreign Institutional Investment and Herding Behavior	Journal of World Economic Review. Volume 8, No. 2, July-December 2013	Rajesh Acharya H
5	Institutional Investment and Stock Returns in India- A Case of FIIs and MFs	Finance India, Vol XXVII, No. December 2013	M.T Raju and Rajesh Acharya H
6	Ambush Marketing : An Undeserved Advantage	Poseidon, Journal of Commerce, Management and Social Sciences, Vol. II, ISSN: 2319-6238, pg:180-185	Sheena
7	The Scenario of Global Healthcare Tourism: An Assessment of the performance of tourism contributors in God's own country – Kerala state	Poseidon, Journal of Commerce, Management and Social Sciences, Vol. II, ISSN: 2319-6238, pg:144 -151	Sheena

Department of Mining Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Rippability Assessment of Limestone Deposit- A case Study.	ISRM (India) Journal, Vol-2, No. 2, July-2013, 3-8	V.R. Sastry & Dr. K. Ram Chandar
2	Effect of Berm Width on Stability of Slopes- A case Study.	Minetech Journal, Vol. 34, No. 2, June- 2013, 3-12.	V.R. Sastry & Dr. K. Ram Chandar
3.	A study of penetration rate using Jack hammer	Institution of Engineers(India) Oct,2013, 25-26	Ch.S.N. Murthy, Co-author Vijay Raghavan

Department of Metallurgical And Materials Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Oil Well Stimulation Techniques And The Impacts Of Acids On Corrosion Of Oil Well Equipment: A Review	NITK Research Bulletin, Vol. 22, No. 1, pp. 16-26	Surendranathan A.O., Rajeev P., and Imran Hussain Moidu
2	Effect of Centrifugal Force and Addition of Modifier on Morphology and Distribution of Eutectic/Primary Silicon in Hypereutectic Aluminium-Silicon Alloy A390	Indian Foundry Journal 59(7) 2013 31-35	Mahesan V.P., K. N. Prabhu and T.P.D. Rajan

INTERNATIONAL CONFERENCES

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)*
1.	Reflection characteristics of semicircular breakwater for varying seaside perforations	35 th IAHR World Congress, Chengdu, China, 8-13, September, 2013	Arkal Vittal Hegde, Vishal Kumar, Kiran Kumar G B
2.	Application Oil Spill Trajectory Analysis for East Coast of India using GNOME	International Short Conference on Extreme Value Analysis and Application to Natural Hazards (EVAN2013), University of Siegen, Germany. 2013.	Hegde, A.V., and Labeeb C K
3.	Wave Structure Interaction for Submerged Quarter Circle Breakwaters of Different Radii Reflection Characteristics	WASET, Issue 79, pp 1334-1338 held in Zurich, Switzerland, 2013	Arkal Vittal Hegde and L. Ravikiran
4.	Performance of Submerged Reef of Concrete Cubes	International Journal Conference on Transport and Civil Engineering – 2013, Dubai (UAE), Oct. 4-5, 2013	Manu, Subba Rao and Kiran G. Shirlal
5.	Investigation On Berm Breakwaters Using Concrete Cubes As Armour Units	XVIII International Conference on "Hydraulics, Water Resources, Coastal and Environmental Engineering- HYDRO 2013" organized by IIT Madras, Chennai from December 4-6, 2013, 212-219	Geetha Kuntoji, Subba Rao and Prashanth J
6.	Wave transmission of submerged inclined serrated plate breakwater	International Journal Conference on Environment and Biological Sciences (IJCEBS'13), Oct 4-5, Dubai (UAE), pp 108-111	Kiran G. Shirlal
7.	Planning and design of a new fishery harbour along Dakshina Kannada coast	HYDRO 2013 INTERNATIONAL, Dec 4-6, 2013, IIT Madras, pp 71-79.	Dilba R. K and Kiran G. Shirlal
8	Wind and wave parameters of Indian ocean region using SAR data	Proc. A compendium of research papers prepared during year 2013, Space applications Centre Ahmedabad, January 2014, pp. E12-1 – E12-3.	Jagadeesha Pai B, Rajkumar, G.S. Dwarakish, A.Vittal Hegde
9	Sediment Dynamics in New Mangalore Port—An Overview	Proc. <i>International Symposium on Integrated Water Resources Management (IWRM-2014)</i> , ISBN:978-81-8424-906-4, CWRDM, Kozhikode, Kerala, India, February 19–21, 2014, pp 520-525.	Parvathy K G, Deepthi I Gopinath and Dwarakish G S
10	Shoreline Changes Off Rameshwaram Island	<i>Proc. of HYDRO 2013 INTERNATIONAL</i> , IIT Madras, Chennai, 4-6 Decemeber, 2013	R.Gowthaman, G.S. Dwarakish, V. Sanil Kumar and C. Rajasekaran
11	A Study on Changes in Land Use/Land Covers in M.I.T., Manipal Campus, Karnataka.	Proc. of Minamata International Symposium on Environment And Energy Technology (MISSION	Narayana Shenoy K, Jagadeesha Pai B,

	India, using Remote Sensing and GIS	2013), Kumamoto University, Kumamoto, Japan, 4-6 December, 2013, Pp. E2-1 – E2-4.	G.S.Dwarakish and Puneeth Nayak
12	Land use/ Land cover changes along D. K. Coast, West coast of India using Remote sensing and GIS	<i>Proc. 8th International congress on climate change, Territorial classification and socio-economic crisis</i> , organised by Bharathidasan University, Tamilnadu and National Polytechnic Institute, Mexico, Bharathidasan University, Tamilnadu, 23rd-27th April 2013, pp 178. [Got the Best Young Scientist award for the poster presentation].	Ganasri B P, Sabariman and Dwarakish G. S
13	Histogram Equalization based Mean Brightness Preserving and Contrast Enhancement Techniques-A Review	<i>Proc. 3rd International Engineering Symposium –IES-2013</i> , Kumamoto University, Japan, 4th - 6th March 2013,pp. E1-7-1-E1-7-7	Raju. A, Dwarakish G. S. and D. Venkat Reddy
14	The study of seawater intrusion in coastal aquifer by chemical parameter ratio method	HYDRO 2013 International, 4-6 December 2013, IIT Madras, Chennai, India	Konstantin J. Sylus and H. Ramesh
15	Distribution of high streamflow and relative high precipitation event using directional statistics	HYDRO 2013 International, 4-6 December 2013, IIT Madras, Chennai, India.	Babar Santosh Fulaji and H. Ramesh
16	Wetland mapping and change detection using remote sensing and GIS	Int. conf. & exhibition on water, wastewater and isotope hydrology (ICE-WWISH 13), 25-27, July 2013. UVCE, Bangalore, India. Pp 187-191.	Kavyasee and Ramesh H.
17	Estimation of runoff using SWMM model for a small catchment in NITK	International Conference & Exhibition on Water, Wastewater & Isotope Hydrology (ICE-WWISH 2013), 25-27 th July 2103, pp 134-138.	Ashish Saxena , Praveen Gadag and B.M.Dodamani
18	Generation of intensity duration frequency curve for Mangalore and Udupi District of Karnataka by using hourly rainfall data	International Conference & Exhibition on Water, Wastewater & Isotope Hydrology (ICE-WWISH 2013), 25-27 th July 2103, pp 148-153	Ashish Saxena & B.M. Dodamani
19	Synthesis and characterization novel PVDF/ Nanofibre membrane and its possible applications for heavy metal rejection	11 th International Conference on Membrane Science and Technology 2013, Kualalampur 27 th -29 th August 2013	Avin J Kajekar, B.M. Dodamani, Arun Isloor, & Rajesh A
20	Comparative analysis of ET _o using AWS data	2 nd International symposium –IES 2012 held on March 5-7,2012 Kumamoto University Japan.C2-2, ppl-7.	B.M.Dodamani & Shwetha

Department Of Chemical Engineering

Sl. No	Title of Paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Neural network modeling of urea release from paraffin wax coated briquettes	International Conference on Environment and Sustainable Technologies, January 3-5, 2014, Manipal Institute of Technology, Manipal, India	M R Bhat, D V R Murthy, M B Saidutta
2	Selenium and Lead Tolerance in Marine <i>Aspergillus Terreus</i> for Biosynthesis of Nano Particles-Quantum Dots/Rods	International Conference on Civil, Biological and Environmental Engineering, November 2013, Bangkok, Thailand	Jaya Mary Jacob, Raj Mohan B, Soubhik Kumar Bardan, P E JagdeeshBabu, M Aruna
3	Oxygen uptake rate of <i>Heterorhabditisbacteriophora</i> culture in bioreactor	13th workshop of the IOBC global working group on mass rearing and quality assurance (IOBC-MRQA)-2013 Bangalore, India, Paper No. S2.08, November 6-8.	Prasanna D. Belur, Floyd Inmann III, Len Holmes.
4	Chitosan Synthesis through Enzymatic route. EEMR- 2013, August 11-13, Bhubaneshwar	EEMR, August 11-13, Bhubaneshwar	Ritu Raval, Keyur Raval, Bruno Moerschbacher
5	Characterization and Application of Novel Disposable Shaking Bioreactors	Asian Congress on Biotechnology 2013.New Delhi, December 15-19, 2013	Keyur Raval, Jochen Buechs

Department of Civil Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	Production of biogas from Co-digestion of Food Waste and Wasted Sewage Sludge from NITK Campus- A Case Study	International Conference on Harnessing Technologies, Caledonian College of engineering, Oman (Dec. 2-3, 2013)	Arun Kumar Thalla and Rahul Gautham
2	Geo-Spatial Ground Water Quality Mapping and Assessment of Mining Region – A Case Study	18th International Conference on Hydraulics and Water Resources (HYDRO -2013), IIT-MADRAS, INDIA (Dec 4-6, 2013)	Sudhakar singha, Sowmya, Devatha Chella and Arun Kumar Thalla
3	Shoreline Changes of Rameshwaram Island	18th International Conference on Hydraulics and Water Resources (HYDRO -2013), IIT-MADRAS, INDIA (Dec 4-6, 2013)	R.Gowthaman , G.S. Dwarakish, V. Sanil Kumar and C. Rajasekaran
4	The Influence of a Grounded Ship on Shoreline Changes Off Goa Coast	34th International Coastal Engineering Conference, June 15-20, 2014, Seoul, South Korea	C.Rajasekaran, S. Jayakumar, R.Manimurali and R. Gowthaman
5	Geotechnical Properties of Mine Tailings - A laboratory Study	Minamata Int. Symposium on Environment and Energy Technology, Dec. 4-6,2013, (MISSION 2013), Kumamoto University Japan.	Manjunath L.S and Sunil B.M

6	Self-cured Alkali-Activated Slag Concrete Mixes – An Experimental Study	VIII CUTSE International Conference, Miri, Sarawak, Malaysia,3-4, Dec 2013	Mithun B.M and Mattur C. Narasimhan
7	Alkali-activated binder systems for pavement quality concrete	VIII CUTSE International Conference, Miri, Sarawak, Malaysia,3-4, Dec 2013	Manjunath S.B, Ravishankar A.U and Narasimhan M.C
8	Alkali-activated binder systems for pavement quality concrete using Dredged marine sand as fine aggregate	Minomata International Symposium on Environment and Energy Technology (Mission 2013), Kumamoto, Japan, 4-6 Dec 2013	Manjunatha S.B., Ravishankar A.U., and Narasimhan M.C
9	River Morphological Changes With Emphasis On Depth And Flow Interactions	18th International Conference on Hydraulics and Water Resources (HYDRO -2013), IIT-MADRAS, INDIA (Dec 4-6, 2013)	Ashay Shende, A.D. Vasudeo and C. P. Devatha
10	Soil moisture uptake under different salinity levels for paddy crop	2nd International Conference on Agricultural & Horticultural Sciences February 03-05, 2014, Hyderabad, India (OMICS Group)	Devatha, C. P.
11	Sma mixtures with modified asphalt and treated aggregates	2nd T&DI Congress, ASCE, 2014 June 8-11, Orlando, Florida	Goutham Sarang, Lekha B M, Monisha M and Ravi Shankar A U
12	Evaluation of the effect of soil-structure interaction on the raft of tall reinforced concrete chimneys under across wind load	Proc. of the 8th Asia-Pacific conf. on wind engineering (APCWE-VIII), Chennai	S. V. Jisha, B. R. Jayalekshmi and R. Shivashankar
13	Seismic analysis of chimneys on pile raft foundations considering the flexibility of soil	Proc. of the fourth Intl. Joint conference on advances in engineering and technology, AET 2013	S. V. Jisha, B. R. Jayalekshmi, R. Shivashankar and S. Soorya Narayana
14	Behaviour of footings on prestressed geogrid reinforced granular beds overlying weak soil	2nd African Regional Conf. on Geosynthetics, GEOAFRICA 2013, Accra, Ghana	R. Shivashankar, J. Jayamohan and K. Nileena Suresh
15	Dynamic soil-structure interaction analyses for 300 m tall industrial chimneys on pile raft foundations	10th US National Conf. on Earthquake Engineering (10NCEE), Alaska, USA	S.V. Jisha, B. R. Jayalekshmi and R. Shivashankar
16	Parametric study on reinforced granular beds overlying weak soil	Silver jubilee symposium of Intl. Geosynthetics Society (India), New Delhi	R. Shivashankar, J. Jayamohan and M. Venkateswara Reddy
17	Behaviour of prestressed reinforced foundation beds overlying weak soil	Geoshanghai 2014 conf.	R. Shivashankar and J. Jayamohan
18	Modeling Unique Merging Behavior under Mixed Traffic Conditions	93rd Transportation Research Board Annual Meeting 2014, Washington D.C, USA	Venkatesan Kanagaraj, Karthik K. Srinivasan, Sivanandan, R. and Gowri Asaithambi.

19	Fenton and Photo-Fenton Oxidation Processes For Degradation of 3-Aminopyridine From Water	5 th International Conference on Chemical, Biological and Environmental Engineering, APCBEE Procedia	Rahul Karale, Basavaraju Manu and S.Shrihari
20	Carbon Footprinting of Cement Industry	Proceedings of the International Conference on Impact of Climate change on Food, Energy and Environment	J Sunil Kumar and S. Shrihari
21	Studies on utilization of quarry dust to improve the geotechnical properties of lithomargic clay	International Symposium on Environment and energy technology, Kumamoto University, Japan, 4-5 Dec., 2013.	Purushotam G Sarvade and Sitaram Nayak
22	Applications of dampers for vibration control of structures: An overview	Proc. of International Conference on Recent Innovations in Civil Engineering, held at Gulbarga, India during Oct 25-27, 2013	Umachagi V, Venkataramana K, Reddy G R and Verma R
23	Free Vibration Analysis of Single and Multilayered Sandwich FGM Plates - Assessment of Higher Order Refined Theories	Proc. 2013 International Conference on Material Science and Mechanical Engineering (ICMSME 2013), Kuala Lumpur, MALAYSIA, Oct. 27-28	Swaminathan K. and Naveenkumar D. T
24	Performance of Aerobic Hybrid Reactors (connected in-series) in treating Molasses based wastewater	6th IWA International Specialized Conference on Sustainable Viticulture (WINERY, 2013), May 26-30, 2013, Narbonne, FRANCE.	Arun Kumar Thalla and Devatha C P

Department of Computer Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Effectiveness of SIP messages on SIP server	IEEE conference on Information and Communication Technology (ICT-2013) on 11 April 2013	Prashant Kulkarni, Mr. Alwyn Pais, Abhishek Bansal
2.	Mitigation of Flooding Based Denial of Service Attack against Session Initiation Protocol Based VoIP System	Communicated	Abhishek Bansal, Alwyn R. Pais
3.	Load Balancing of virtual Machine Resources in Cloud Using Genetic Algorithm	7 th Int. Conf. on Communication Networks, August 9-11, 2013, Bengaluru	Chandrasekaran K., Usha Divakarla
4.	Scalable Group Key Distribution Scheme Based on Chinese Remainder Theorem	3 rd International Conference on Security, Privacy, and Applied Cryptography Engineering (SPACE-2013) IIT Kharagpur, Oct 19-23, 2013	Akash Dhorajiya, Alwyn R. Pais
5.	Data reduction by removal of lurkers in OSN	TENCON 2013 – 2013, IEEE Region 10 Conference, Xian China, October 22-25, 2013	Sumit Nireshwalya, Annappa B., Swapan Bhattacharya
6.	Key Update Mechanism in PKI: Study and a New Approach	2 nd International Conference on Advanced Computing, Networking and Security (ADCONS 2013), 15-17 Dec. 2013	Spoorthi, V., Balaji R., Chandrasekaran K.

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
7.	Performance Comparison of Executing Fast Transactions In Bitcoin Network Using Verifiable Code Execution	2 nd International Conference on Advanced Computing, Networking and Security December 15 - 17, 2013	Prabhjot Singh, B.R. Chandavarkar
8.	SIP Security Analysis on IPv4 - IPv6 based VoIP Network and It's Security Impact on SIP	2 nd International Conference on Advanced Computing, Networking and Security December 15 - 17, 2013,	Ganesh Sonwane, B.R. Chandavarkar
9.	Emulating a High Interaction Honeypot to Monitor Intrusion Activity	International Symposium on Security in Computing and Communications, SJCE Mysore, SSCC - 2013	Anil Gopalakrishna, Alwyn R. Pais
10.	Analysis of Cautious Adaptive RED (CARED)	Second International Conference on Advances in Computing, Communications and Informatics (ICACCI 2013)	Mohit P. Tahiliani, K. C. Shet
11.	A Hybrid model for Rician noise reduction in MRI	Second International Conference on Advanced Computing, Networking and Security (ADCONS 2013, IEEE), pp: 58-61, 2013	Sudeep P.V, Palanisamy P, Jeny Rajan
12.	A new non local maximum likelihood estimation method for denoising Magnetic Resonance images	In: P. Maji et al. (Eds.): PReMI 2013 (ISI Calcutta), LNCS 8251, pp. 451-458, 2013, Springer, Heidelberg (2013)	Jeny Rajan, Arnold J. den Dekker, Jaber Juntu and Jan Sijbers
13.	Agent-Based Cloud Broker Architecture for Distributed Access Control	Seventh International Conference on Communication Networks (ICCN-2013), Bengaluru	Manoj V. Thomas, K. Chandrasekaran
14.	Agent-Based Approach for Distributed Access Control in Cloud Environments	Second IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI-2013), Mysore, India.	Manoj V. Thomas, K. Chandrasekaran
15.	Wokflow Model for Distributed Access Control	Third IEEE International Conference on Advances in Computing and Communications (ACC-2013), Cochin, India.	Manoj V. Thomas, K. Chandrasekaran
16.	An Access Control Model for Cloud Computing Environments	Second IEEE International Conference on Advanced Computing, Networking and Security (ADCONS-2013), Surathkal, India.	Manoj V. Thomas, K. Chandrasekaran
17.	Performance Evaluation of CoDel for Active Queue Management in Wired-Cum-Wireless Network	Fourth International Conference on Advanced Computing and Communication Technologies (ACCT 2014)	Tarun Jain, Annappa B, Mohit P. Tahiliani
18.	Analysis of sfqCoDel for Active Queue Management	Fifth International Conference on Applications of Digital Information and Web Technologies (ICADIWT 2014)	Preethi Rao, Mohit P. Tahiliani, Uday Kumar Shenoy

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
19.	Experimental Analysis of CUBIC TCP in Error Prone MANETs	Fifth International Conference on Applications of Digital Information and Web Technologies (ICADIWT 2014)	Deepa Kumari, Mohit P. Tahiliani, Uday Kumar Shenoy

Department of Chemistry

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Effect of organic additives on deposit characters of Zn-Ni alloy,	National Conference on 'Emerging trends in chemical research (NCETCR-2012)' held at Gitam University, Visakhapatnam during 7-8 th September, 2012.	Vaishaka R. Rao and A. Chitharanjan Hegde,
2.	Synthesis, characterization and liquid crystalline behavior of new methoxy pyridines carrying terminal alkoxy pendent and polar nitrile group.	International Conference on Recent Advances in Material Science and Technology - 2013 (ICRAMST - 13), National Institute of Technology Karnataka, Surathkal, January 17-19, 2013	Ahipa. T. N., Vijith Kumar, Doddamane S. Shankar Rao, Subbarao Krishna Prasad and Airody Vasudeva Adhikari.
3.	New imidazo[1,2-a]pyridine derivatives: Synthesis and antiepileptic studies." International Conference on Recent Advances in Material Science and Technology	International Conference on Recent Advances in Material Science and Technology - 2013 (ICRAMST - 13), National Institute of Technology Karnataka, Surathkal, January 17-19, 2013	Shrikanth Ulloora, Ramakrishna Shabaraya, Airody Vasudeva Adhikari
4.	Synthesis, characterization and anti-tumor activity of some new indole based molecules.	M E D C H E M 2 0 1 3, "Advances in Anticancer Drug Discovery & Development." IIT Madras, 25-26 October, 2013.	Nikhila G. and Udayakumar D.
5.	Synthesis, characterization and antimycobacterial activity studies of some novel pyrazoles containing triazole moiety.	International Symposium on Chemical Biology-Drug Discovery Programme, Mysore University, 9 January 2014.	Nagabhushana N, Ramaprasad J and Udayakumar D.
6.	Synthesis, characterization and evaluation of some indole-quinazolinone hybrids as cytotoxic agents.	International Symposium on Chemical Biology-Drug Discovery Programme, Mysore University, 9 January 2014.	Nikhila G. and Udayakumar D.
7.	Synthesis and evaluation of optical and electrochemical properties of a new conjugated polymer containing substituted thiophene and non-conjugation linkers.	International conference on OPTICS 14, Calicut, 19-21 March 2014.	Prashanth Kumar K R, Udayakumar D, Siji Narendran N K and Chandrasekharan K.
8.	Chitosan and its derivatives as potential materials for membrane technology	11 th International conference on Membrane Science & Technology. Kulalampur-Malaysia, 27-29 th August, Pg No 12.	Arun M. Isloor

9.	Synthesis and characterization of novel PVDF/PANI nanofiber membrane and its possible applications for heavy metal rejection	11 th International conference on Membrane Science & Technology. Kulalampur-Malaysia, 27-29 th August, Pg No 94.	Avin J. Kajekar, B.M. Doddamani, Rajesh Kumar & Arun M. Isloor
10.	Study of PPEES/Chitosan composite membrane crosslinked with TPP	11 th International conference on Membrane Science & Technology. Kulalampur-Malaysia, 27-29 th August, Pg No 102.	Seema shenvi, A.F. Ismail, Arun M. Isloor
11.	“Isentropic Compressibility, Partial Molar Volumes and Partial Molar Isentropic Compressibility of Betaine in Aqueous MgCl ₂ Solutions.”	International Conference on Recent Advances in Material Science and Technology-2013, National Institute of Technology Karnataka, Surathkal.	Karant, V. R., Bhat, D. K.
12.	Development of high performance Ni-Cd coatings by magnetoelectrolysis- A New Approach.	11 th ISEAC-DM 2014, the International meet on <i>Electrochemistry and its applications</i> organized by ISEAC, BARC, at Amritsar during 20 th -25 th February, 2014	Vaishak and A C Hegde
13.	ICT based Colometric Receptor for F ⁻ ion and Cu ²⁺ ion with molecular Logic Operations and Solvatochromism	International conference on “Frontiers in Energy, Environment, Health & Materials Research” EEMR-2013 at CSIR-Institute of Minerals & Materials Technology, Bhubaneswar, Odisha during August 12-13, 2013	Madhuprasad, <u>Darshak R. Trivedi*</u>

Department of Electronics And Communication Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Gaussian Approximation using Integer Sequences	International Symposium on Signal Processing and Intelligent Recognition Systems, Trivandrum, India, March 2014	A. Rajan R V Rao A Rao H S Jamadagni
2.	Prediction of exons by using parametric approach	International Symposium on Bioinformatica Indica organized by Department of Computational Biology and Bioinformatics, University of Kerala, Tiruvananthapuram held during 09-11 Jan 2014.	G N Satapathi A.Narasimhdhan P.Srihari
3.	DNA Compression using compressed sensing algorithms	International Symposium on Bioinformatica Indica organized by Department of Computational Biology and Bioinformatics, University of Kerala, Tiruvananthapuram held during 09-11 Jan 2014.	D. Lakshmi Mythri S.Sreedevi P.Srihari
4.	Stereovision based 3D hand gesture recognition for pervasive computing applications	International Conference on Information, Communication and Signal Processing (ICICS 2013), Tainan, December 2013.	Vikram Shenoy H Pankaj Bongale Vineet Roy Sumam David

5.	Development and Performance Evaluation of PSO based adaptive mismatch filter for radar pulse compression	International Radar Symposium India- 2013(IRSI-13) held during December, 10- 14, 2013, Bangalore sponsored by IEEE Bangalore Section.	P.Srihari K.Raja Rajeswari
6.	Doppler Performance Evaluation of Different Frequency Coded Pulse Compression Sequences	International Radar Symposium India- 2013(IRSI-13) held during December 10- 14,2013,Bangalore sponsored by IEEE Bangalore Section.	P.Srihari, G N Satapathi, B. Sasi kanth S.Sreedevi
7.	On the Improved Performance of Luby Transform codes over Selective Repeat ARQ in Turbulent Free Space Optical Links	13th IEEE International Symposium on Advances in Computer and Information Technology. Sydney, Australia Dec. 3-5, 2013.	G.Prakash M.Kulkarni S. Acharya
8.	A Fourth-order Partial Differential Equation model for multiplicative noise Removal in Images	Proceedings of C2SPCA (IEEE), 10-11 Oct, 2013, Bangalore, India.	Bini A.A M.S. Bhat
9.	A Variable Length Distributed Source Coding Algorithm for WSNs	Proceedings of International Conference on Emerging Trends, Technology and Research, (ICETTR 2013), 21st and 22nd September 2013, Nagpur, Maharashtra.	K S Shivaprakasha Muralidhar Kulkarni
10.	BER performance and Energy Efficiency of Luby Transform codes with varying BPSK thresholds over the Free Space Optical channel	Second International Conference on Advances in Computing, Communications and Informatics (ICACCI- 2013), SJCE, Mysore, Karnataka, India, August 22-25, 2013.	G.Prakash M.Kulkarni S. Acharya
11.	Comparison of Edge Detection by using Ant Colony Optimization & Morphological Operation”	IEEE conference (ICHCI-13) held during 23-24 August 2013 at Saveetha University, Chennai	B. Sasi kanth G N Satapathi, Ch. Manohar Kumar P.Srihari
12.	Ultra low power Active-RC filter in 180 nm CMOS technology	Proc.of 11th International Workshop IEEE on Electronics, Control, Measurement, Signals and their application to Mechatronics (ECMSM), June 21-23, 2013, Toulouse, France.	Rekha S. Laxminidhi T
13.	Low Cost Black Box for Cars	Texas Instruments India Educator's Conference (TIEC 2013), April 2013	Chetan Patil Yashwanth Marathe Kiran Amoghmath Sumam David S
14.	Utility of image processing on MRI scan for early detection of Alzheimer's Disease	International Engineering Symposium (IES 2013), Kumomoto University, March 2013	Chetan Patil Madhumitha S Mathura M. G Varun V. Nayak Sumam David S, Merwyn Fernandes Anand Venugopal B. Unnikrishnan
15.	Interconnect Delay Reduction in High Speed Clock Networks using CRLH Structure	3 rd International Engineering Symposium, Kumamoto University, Japan, March 4-6, 2013.	Soorya Krishna K. M. S. Bhat

16.	Comparative study of Canny Edge Detection Algorithm for Diagnosis of Retinopathy of Prematurity	International Engineering Symposium (IES-2013), Kumamoto University, Japan, 4 - 6 March, 2013	Aparna P Shreyas S Hanchinal Preetham N Kishore Subramanian B
-----	---	---	---

Department of Electrical and Electronics Engineering

Sl. No.	Title of paper	Conference Name, Vol., Issue, Page Nos.	Author(s)*
1.	IEEE 802.16-2004 (WiMAX) Protocol For Grid Control Center And Aggregator Communication In V2G for Smart Grid Application	IEEE-ICCIC 2013, Madurai, India	Santoshkumar, Udaykumar R.Y,”
2.	“Modelling and Simulation studies of Inter-winding Faults in a Three Phase Distribution Transformer using EMTDC/PSCAD”	Proc. Of International conference on Innovative Smart Grid Technologies, IEEE-ISGT-Asia 2013, November, 10-13, 2013, Bangalore	S Shruthi and K Panduranga Vittal
3.	“Adaptive Protection Schemes for Feeders with the Penetration of SEIG based Wind Farm”	Proc. Of International conference on Innovative Smart Grid Technologies, IEEE-ISGT-Asia 2013, November, 10-13, 2013, Bangalore	Arthi Sahaya Rones V and K Panduranga Vittal
4.	"Inclined Mixed Air Gap Eccentricity Detection Method for an Induction Motor",	Proc. of of the 2014 International Conference on Advances in Energy Conversion Technologies (ICAECT), Intelligent Energy Management: Technologies and Challenges, 23 – 25 January 2014, Manipal, India, pp. 37-41, IEEE Catalog Number: CFP14YAB-CDR, ISBN: 978-1-4799-2204-8	Rajalakshmi Samaga BL and K.P.Vittal,
5	“Genetic Algorithm in Location Identification of Acoustic-Emission-Partial-Discharge Source: Some Aspects”,	IEEE DIES conference CATCON2013, Held at Jadavpur Univeristy Kolkata, Paper No 123, Track 4, Oral presentation on 8 th December 2013.	Gururaj Punekar, Deepthi Antony, Bhavani shanker T, Nagamani H. N, N K Kishore,
6.	“Acoustic emission signal analysis of On-Load Tap Changer (OLTC)”	IEEE DIES conference CATCON2013, Held at Jadavpur Univeristy Kolkata, Paper No 111, Track 2, Oral presentation on 8 th December 2013	Bhavani Shanker T, Nagamani H. N, Punekar G. S,
7.	Circuit Analysis in the Time-Domain: Operational Approach to Form the System-Matrix Exponential and to Obtain the Circuit Natural Response Therefrom	1st Int. Conf. Advances in Electrical Engineering (ICAEE 2014), Vellore, India, Jan. 9-11, 2014.	IR.Rao and K.N. Shubhanga

8.	"Position Control of Interior Permanent Magnet Synchronous Motor using Adaptive Backstepping Technique",	International Symposium on Control, Automation, Industrial Informatics and Smart Grid (ICAIS 2013) affiliated with (IEEE-ICACCI-2013), PPI718-1723, August 22-25, 2013, Mysore, India	Prashant K.V. and GirishaNavada H,
9.	"A fixed frequency LCL-type series resonant converter with capacitive output filter using a modified gating scheme,"	in Proc. 2013 IEEE Power Electronics and Drive Systems Conf., pp.175-180.	H. Nagendrappa, and A. K. S. Bhat,
10.	Performance Evaluation of a New Hybrid Islanding Detection Method for a Wind Based DG,"	2013 IEEE Conf. on Clean Energy and Technology, 18-20th November 2013, Langkawi, Malaysia	Geethi Krishnan and D.N. Gaonkar"
11.	"Control of Grid Connected and Islanding Operations of Distributed Generation Systems with Seamless Transfer Between Modes"	2013 IEEE Multi-Conference on Systems and control(MSC), 28th-30th August 2013, Hyderabad India	Geethi Krishnan and D.N. Gaonkar
12.	"Performance Analysis of Energy Aware Routing Protocol for Wireless Sensor Networks"	IEEE International Conference on "Devices Circuits and Systems (ICDCS-14)", March 6-8, 2014, India [Accepted]	Pramod Kumar, Ashvini Chaturvedi
13.	Life Time Enhancement of Wireless Sensor Network Using Fuzzy C-Means Clustering Algorithm	IEEE International Conference on "Electronics and communication System (ICECS-14)", February.13-14, 2014 Coimbatore, India [Accepted].	Pramod Kumar, Ashvini Chaturvedi
14.	Reactive Power Loss Allocation to Consumers in a Deregulated Power System	5th International Conference on Power and Energy Systems (ICPS – 2013) held during 28th to 30th October 2013 at Kathmandu, Nepal	Tukaram Moger and Thukaram Dhadbanjan
15.	"An Improved Approach for Evaluation of Reactive Power Sources Contribution to Reactive Load and Loss"	IEEE INDICON 2013 held during 13th to 15th December 2013 at Indian Institute of Technology Bombay (IIT Bombay), India	Tukaram Moger and Thukaram Dhadbanjan
16.	"Simple and Accurate Method of Modeling Photovoltaic Module: a Different Approach"	Proc. of international Conference ICGCE-2013 (IEEE), RMD Engineering college, Chennai, India, December (12-14), 2013	Debashisha Jena and Vanjari Venkata Ramana
17.	"Second Order ISMC for Variable Speed Wind Turbine"	Proc. of international Conference ICIIS-2013, Kandy, Sri Lanka, December (17-20), 2013.	Debashisha Jena, and R Saravanakumar,
18.	"Modular Three-Phase Single-Stage Full –Bridge Converter For Medium Power SMPS"	accepted in IEEE Conf. PESTSE, 2014	R. Kalpana, Bhim Singh and G. Bhuvaneshwari,

Department of Humanities, Social Sciences and Management

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Women Entrepreneurship for Economic Growth and Development : A Framework	International Research Conference at Jamnalal Bajaj Institute of Management Studies , Mumbai . on 6th and 7th March , 2014	Claret Mendonca and Sequeira A. H.
2.	The Impact of Customer-Based Brand Equity on the Operational Performance of FMCG Companies in India ,	International Conference on Business Analytics and Intelligence Conference held at IIM Bangalore campus , 11-13 December 2013.	Bijuna C Mohan and Sequeira A. H.
3.	Innovation and Competitive Advantage Marico	International Conference on Best Organisational Practices, 22 Feb 2014	Bijuna C. Mohan, Ranjith V. K.
4.	Impact of Policies Unsustainability of MSME sector in Select States of India	11th Nirma International Conference of Management on New Perspectives of Finance and Changing Economics Scenario, Jan 9-11, 2014	Sumukh S. Hungund and Kiran K.B.
5.	Personality and investment decision making of individuals	13 th Consortium of Students in Management Research – COSMAR conference, Nov. 14 th & 15 th , 2013, (CD-ROM), Dept. of Management Studies, Indian Institute of Science, Bangalore.	Shetty S., Kiran K.B.,& Sridhar, S.
6.	Empowerment of Self Help Groups (SHGs) towards Microenterprise Development	SIMSARC'13, Symbiosis Institute of Management Studies, 12th & 13th December	Suprabha K. R
7.	Anomalies in Maturity Gap: Evidence from Scheduled Commercial Banks in India	SIMSARC'13, Symbiosis Institute of Management Studies, 12th & 13th December	Krishna Prasad and Suprabha K. R
8.	Foreign Institutional Investment and Herding Behavior: Evidence from India	4 th International Conference on Finance and Business Management (ICFBM-13). Haridwar, Uttarakhand (India) Organized by Society of Technical and Management Professionals (STMP), June 13- 14, 2013.	Rajesh Acharya H
9.	Foreign Institutional Investment and Herding Behavior	2nd International Conference on Economics, Business and Management at Hotel Hans, Barakhamba Road, New Delhi (INDIA) on 13th - 14th September, 2013	Rajesh Acharya H
10.	Interaction effects of teachers' job involvement on participation in technical decisions and organizational citizenship behaviour	International Conference on Business Analytics and Intelligence (BAI), Organizing by Indian Institute of Management Bangalore (IIMB), India. Dec 11-13, 2013.	S. Pavan Kumar, Prof. Vijai N. Giri

11.	Network Analysis for Patternizing Security Concerns: A Study of Security Informatics Projects	<i>International Conference on Business Analytics and Intelligence (BAI)</i> , Indian Institute of Management, Bangalore, December 11-13, 2013. T16. 1-6	Sreejith Alathur
12.	Policy Implications of Public Discussions on E-petition Initiatives: Indian Context	International Symposium of Information Systems (ISIS), Indian school of Business, Hyderabad. January 3-4, 2014, T4. 1-6	Sreejith Alathur
13.	Understanding the Influencing & Motivating Factors behind Buying Patterns of Indian Rural Consumers: An Analysis	2014 Annual Conference of the Emerging Markets Conference Board, IIM Lucknow (Noida Campus), 9-11 January 2014 [under review for publication in journals]	Sharma P. (ASB, Bangalore), Savita Bhat

Department of Information Technology

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	An Approach for Mining Heterogeneous Data for Cross-Media Retrieval	4 th International Conference on Computing, Communication and Network Technologies (ICCCNT 2013), July 4-6, 2013,	Madhu Pavan K and Ananthanarayana V.S.
2	Semantic Image Retrieval System Based on Object Relationships	2 nd International IEEE Conference on Image Information Processing (ICIIP), 2013, Jaypee University of Information Technology, Shimla, Himachal Pradesh, pg 418 – 423, Dec 9 -11, 2013,	Shashank Shivakumar, Dr. Ananthanarayana V.S., Nikhil Goel, Cilson Cyriac, P.Rajaram
3	A Novel Approach to Uniformly Distribute the Load in WSN Routing Protocol LEACH	UACEE 2nd Int. Conf. on Advances in Computing and Commn (ICACC-2013),pg 52-56	Rahul Y, Nitish S, Prajna P Bhat, Suresh P, G Ram Mohana Reddy
4	Survey and Comparison of GTS Allocation and Scheduling Algorithms in IEEE 802.15.4 Wireless sensor networks	Proc., of 2013 IEEE Conference on Information and Communication Technologies (ICT– 2013), pp 98-103, 11 th -12th April 2013	Geetha V, K Chandrashekarana Sharath Rao, Saksham Keshri, Daivik Gangwar , Praveen Sundara
5	Energy Efficient LEACH by Enhancing the Data Update Procedure of Cluster Head	Fourth IEEE International Conference on Computing, Communication and Networking Technologies , 4-6 July, 2013	Prabhat Ranjan, Geetha.V
6	Comparative Evaluation of Algorithms for Effective Data Leakage Detection	2013 IEEE Conference on Information and Communication Technologies (ICT 2013), pp 177-182, 11 th -12th April 2013	Ankit Goyal, Ashwani Kumar, Navneet Kumar Chaudhury, Ajay Kumar, Sowmya Kamath S
7	Sentiment Analysis based Techniques for Understanding User Context in Web Content	Third International Conference on Communication Systems and Network Technologies (CSNT-	Sowmya Kamath S, Anusha Bagalkotkar, Ashesh Kandelwal, Shivam Pandey,

		2013), April 5-8, 2013, in Gwalior, India, (IEEE Proc)	Kumari Poornima
8	A Semantic Search Engine for Answering Domain Specific User Queries	Second IEEE International Conference on Communication and Signal Processing (ICCSP'13), Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu, India 3- 5, April 2013. (IEEE Proceedings)	Sowmya Kamath S, Dhivya Piraviperumal, Garima Meena, Srijana Karkidholi, Keerthana Kumar
9	Resource Aware Scheduling in Hadoop for Heterogeneous Workloads based on Load Estimation	Fourth International Conference on Computing, Communications and Networking Technologies (ICCCNT 2013) organized by Vivekanandha College of Engineering for Women, Tiruchengode, Tamilnadu, India ,July 4 - 6, 2013. (IEEE Proceedings)	Sutariya Kapil B and Sowmya Kamath S
10	Automated Stock Price Prediction and Trading System for Nifty Intraday Trading	IEEE Fourth International Conference on Computing, Communications and Networking Technologies (ICCCNT 2013) Vivekanandha College of Engineering for Women, Tiruchengode, Tamilnadu, India, on July 4 - 6, 2013. (IEEE Proceedings)	Aparna Bhat and Sowmya Kamath S,
11	A Novel Technique for Efficient Text Document Summarization as a Service	Third International Conference on Advances in Computing and Communications (ACC-2013) , Rajagiri School of Engineering & Technology, Cochin, Kerala, India. 29 - 31 August 2013	Anusha Bagalkotkar, Ashesh Kandelwal, Shivam Pandey, Sowmya Kamath S
12	A Bottom-up Approach towards Achieving Semantic Web Services	International Symposium on Green Networks and Distributed Systems (GNDS 2013), co-located with Second International Conference on Advances in Computing, Communications and Informatics (ICACCI-2013), Aug 22-24, 2013	Sowmya Kamath S, Ananthanarayana V.S.
13	A Framework for Efficient Semantic Web Services Composition Approaches and Their Performance Evaluation	Fourth IEEE International Conference on Computer and Communication Technology (ICCCCT-2013), 20-22 Sept, 2013	Gaurav Bairagi and Sowmya Kamath S
14	A Modified Ant Colony Optimization Algorithm with Load Balancing for Job Shop Scheduling	15th International Conference on Advanced Computing Technologies (ICACT-2013), organized by Annamacharya Institute of Technology and Sciences (AITS), Rajampet, Andhra Pradesh, September 21 – 22, 2013	Rajesh Chaukwale and Sowmya Kamath S
15	Detecting Data Leakage in Multi-Agent Environments with	International Conference on Computing Cybernetics and Intelligent Information Systems,	Ankit Goyal, Sowmya Kamath S

	Dynamic Data Allocation Scenarios	organised by VIT University, Vellore, 21-23 Nov 2013	
16	An Equal Share Ant Colony Optimization Algorithm for Job Shop Scheduling adapted to Cloud Environment	Fifth International Conference on Networks & Communications (NETCOM – 2013, ERA Level C rated conference), 29-31 Dec. 2013	Rajesh Chaukwale and Sowmya Kamath S

Department of Mathematical And Computational Sciences

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	On a Conjecture for Radio k-chromatic Number of Paths	International Conference on Applied Mathematics and Theoretical Computer Science, 24-25 January 2013, Chunkankadai, Nagercoil	Srinivasa Rao Kola and Pratima Panigrahi
2	On Higher Order Pell Equations	7th International Conference of IMBIC, on MSAST, Dec 21-23, 2013, Kolkata, pp 56-63	Manasa K. J. and B. R. Shankar
3	Minimum range assignment problem for two connectivity in wireless sensor networks	Int. Conf. on Distributed Computing and Internet Technologies, LNCS Vol. 8337 pp. 398-409 (2014)	B.S. Panda, D.P. Shetty
4	Entrance Region Flow of Casson Fluid in an Annular Cylinder	Proc. Of 2 nd International Conference on Computer Engineering and Mathematical Sciences, Kuala Lumpur, Malaysia, Dec. 5-6, 2013, pp 91-96	Rekha G.Pai, A.Kandasamy
5	Cryptanalysis of a Remote User Authentication Protocol Using Smart Cards	IEEE Proceedings of 2014 IEEE 8 th International Symposium on Service Oriented System Engineering (SOSE-2014), 2014, Oxford, U.K, April 7-10, p. 474-477 DOI 10.1109/SOSE.2014.84	R. Madhusudhan and Rohith Kumar S
6	A proof of harmonious tree conjecture	24 th British Combinatorial Conference held at Royal Holloway, University of London, 30 th of June to 5 th of July, 2013	S.M. Hegde

Department of Mechanical Engineering

Sl. No	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Estimation of stand-off distance of a pipe for increased entrainment from a turbulent air jet	Computer aided Engineering 2013, An International Conference, Indian Institute of Technology Madras, CHENNAI	Jayaram Thumbe, K Pramod, ravikiran Kadoli, K V Gangadharan.
2.	Gear fault detection using vibration analysis and continuous wavelet transform	ICAMME-2014, held at National Institute of Technology, Karnataka, March 27-29, 2014	Kiran Vernekar, Hemantha Kumar, K.V.Gangadharan

3.	Experimental investigation of effect of ingredient particle size on dynamic damping of RTV Silicone base Magnetorheological elastomers	ICAMME-2014, held at National Institute of Technology, Karnataka. March 27-29, 2014	Sriharsha Hegde, Umanath R Poojary, K.V Gangadharan
4.	Experimental study of damping characteristics of air, silicon oil, Magneto rheological fluid on twin tube damper	ICAMME-2014, held at National Institute of Technology, Karnataka, March 27-29, 2014	Avinasha B, Shyam Sundar S, K V Gangadharan
5.	Design and implementation of Remote Mechatronics Laboratory for e-Learning using LabVIEW and Smartphone and Cross-Platform Communication Toolkit (SCCT)	2nd International Conference on Innovations in Automation and Mechatronics Engineering 2014, G H Patel College of Engineering & Technology, Vallabh Vidyanagar 388120, Gujarat-India on 7th, 8th march 2014	Poorna chandra B R, Geevarghese K P, K V Gangadharan
6.	Comparative Study on MSMA Actuation under Electromagnetic and biased-Magnetic Fields	First International Conference on Mechanical Engineering: Emerging Trends for Sustainability, organized by MANIT, Bhopal during 29-31, January 2014	Neearaj. D. Darwai, .M. Murigendrappa, K.V. Gangadharan
7.	Implementation of Real Time Condition Monitoring of a Single Degree Freedom System Using Skyhook Control	Proceedings of international conference on advances in Engineering and Technology-2014, (ICAET-2014) January 8 th - 9 th 2014, Nagpur, Maharastra	Harisha S R, Subramanya R Prabhu B, K V Gangadharan
8.	Design, Synthesis and fabrication of Magneto Rheological Fluid Damper for low Frequency Application	Proceedings of international conference on advances in Engineering and Technology2014, (ICAET-2014) January 8 th -9 th 2014, Nagpur, Maharastra	Subramanya R Prabhu B, Harisha S R, K V Gangadharan
9.	Design of Virtual Instrumentation approach for A Multi-Purpose online Mechanical Vibration Experiment Using Labview	Proceedings of international conference on advances in Engineering and Technology-2014, (ICAET-2014) January 8th - 9 th 2014, Nagpur, Maharastra.	Gurumurthy B M, Harisha.S.R, Subramanya R Prabhu B, Dr.K.V.Gangadharan
10.	Investigation of effect of Magnetic field on the Mechanical properties of Natural rubber based Magnetorheological elastomer sandwich beam	Proceedings IEEE International Conference on Energy Efficient Technologies for Sustainability, 10th to 12th April 2013 Kanyakumari, Tamilnadu, India	Sriharsha Hegde, Umanath R Poojary, K.V Gangadharan
11.	Dynamic Analysis of Magneto Rheological Fluid Damper for low Frequency Single Degree Freedom System	Proceedings of First International Conference on Emerging Trends in Engineering and Technology – 2013, 4th, 5th October -2013, Munnar, Kerala	Harisha.S.R, K V Gangadharan
12.	Effect of tilt angle on subcritical/supercritical carbon dioxide based natural circulation loop with isothermal source and sink.	Proceedings of the 22 nd National and 11 th International ISHMT-ASME Heat and Mass Transfer Conference, December 28-31, 2013, IIT Kharagpur, India, Paper no. HMTCI300801.	Ajay K Yadav, M. Ram Gopal, Souvik Bhattacharyya,

13.	Carbon dioxide as a secondary fluid for natural circulation loops: correlation for optimum operating condition.	Proc. of the Minamata International Symposium on environment and energy technology (MISSION 2013), December 04-06, 2013, Kumamoto, Japan, Paper no. 001.	Ajay K Yadav, M. Ram Gopal, Souvik Bhattacharyya
14.	Carbon dioxide as a secondary fluid for natural circulation loops: correlation for optimum operating condition.	Proc. of the Minamata International Symposium on environment and energy technology (MISSION 2013), December 04-06, 2013, Kumamoto, Japan, Paper no. 001.	Ajay K Yadav, M. Ram Gopal, Souvik Bhattacharyya
15.	Multi objective optimization of hot machining of 15-5PH stainless steel using grey relation analysis	International Conference on Advances in Manufacturing and Materials Engineering, NITK Surathkal, 27-29, ME-93 (1-10)	Venkatesh Ganta, D Chakradhar
16.	Fault Diagnosis of Anti Friction Bearings using Vibration and Sound Signals – A Neural Network Approach	CAE 2013, IIT Madras, Dec 2013, Chennai.	Hemantha kumar, M. Amarnath and V. Sugumaran
17.	Fault Diagnosis of Bearings through Vibration Signal Using Decision Tree Algorithm	International Conference on Advances in Tribology [ICAT14], NIT Calicut	Gangadhar N., Hemantha Kumar, Narendranath S., Sugumaran V. and Amarnath M
18.	Gear fault detection using vibration analysis and continuous wavelet transform	ICAMME-2014, NITK, March 27-29, 2014	Kiran Vernekar, Hemantha Kumar, K.V.Gangadharan
19.	Fault Diagnosis of Single Point Cutting Tool through Vibration Signal using Decision Tree Algorithm	ICAMME-2014, held at NITK, March 27-29, 2014	N. Gangadhar, Hemantha Kumar, S. Narendranath, V. Sugumaran
20.	Fault Diagnosis of welded joints through Vibration Signal using Naïve Bayes Algorithm	ICAMME-2014, held at NITK, March 27-29, 2014	Girish Kumar M, Hemanth K, Gangadhar N, Hemantha Kumar, Prasad Krishna
21.	Experimental investigation of influence of tool temperature on cutting forces in the thermally enhanced machining of high chrome white cast iron.	Proceedings of International Conference on Advances in Manufacturing and Materials Engineering, Surathkal, 27-29 March, 2014.	A.M. Ravi, S.M. Murigendrappa and P.G. Mukunda,
22.	Comparative Study on MSMA Actuation under Electromagnetic and biased-Magnetic Fields.	Proceedings of 1 st International Conference on Mechanical Engineering: Emerging Trends for Sustainability, Bhopal, 29-31 January, 2014.	N.D. Darwai, S.M. Murigendrappa and K.V. Gangadharan,
23.	Theoretical and Numerical Study of Symmetric, In-plane, Free Vibration of Timoshenko Portal Frame with Open Crack.	Proceedings of 13 th International Conference on Fracture, Beijing, 16-21 June, 2013.	N. M Satyavan, Sandeep Kumar and S.M. Murigendrappa,
24.	Optimization of the machinability characteristics of hard-to-wear high chrome white cast iron using analytical tools,	Proceedings of International Conference on Convergence of Science, Engineering & Management, Bangalore, 26-27 September, 2013.	A.M. Ravi, S.M. Murigendrappa and P.G. Mukunda

25.	Predictive modeling of cutting forces and tool wear in machining of high chrome white cast iron using surface methodology and artificial neural network.	Proceedings of 1 st International Conference on Mechanical Engineering: Emerging Trends for Sustainability, Bhopal, 29-31 January, 2014.	A.M. Ravi, S.M. Murigendrappa and P.G. Mukunda
26.	Morphology and deformation at the interfaces of a maize hybrid fiber biocomposite material	16th International Conference of Strength of Materials, Indian Institute of Science, Bangalore, P-159, 19-24 August 2012	Saravana Bavan D, Mohan Kumar G.C
27.	Characterization and Processing of a Novel Hybrid Natural Fibre Composite Material	Kathmandu Symposia on Advanced Materials-2012, Nepal Polymer Institute Kathmandu, Nepal 9-12 May 2012	Saravana Bavan D, Mohan Kumar G.C
28.	Processing And Data Acquisition Analysis of a Biocomposite Material of Vetiver and Maize Fiber	8th International Materials Technology Conference and Exhibition, Institute of Materials, Malaysia, Selangor, Malaysia, 9-12 July 2012	Saravana Bavan D, Mohan Kumar G.C
29.	Processing and Characterization of Areca Reinforced PF Bio-Composites	8th International Materials Technology Conference and Exhibition, Institute of Materials, Malaysia, Selangor, Malaysia, 9-12 July 2012	Mohan Kumar G.C
30.	Wire Electro Discharge Machining of TiNi Shape Memory Alloy”	International Conference on Emerging Materials and Processes – 2014, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar. ICEMP-2014, February 26-28th, 2014	Manjaiah M, Sibin B, Narendranath S, Basavarajappa S
31.	Optimization of Wire Electro Discharge Machining Parameters to Achieve Better MRR and Surface finish,	International Conference on Advances in Manufacturing And Materials Engineering – ICAMME-2014, March 27-29 th , 2014, NITK Surathkal.	Manjaiah M, Narendranath S and Javad Akbari,
32.	Effect of equal channel angular pressing on microstructure and mechanical properties of Mg-3Al-1Zn alloy.”	International Conference on Engineering Materials and Processes (ICEMAP), May 23 rd - 24 th , Chennai.	Muralidhar Avvari, S. Narendranath, H. Shivananda Nayaka
33.	Study on grain refinement and mechanical properties of Mg-3%Al-1%Zn processed by equal channel angular pressing	Minamata International Symposium on Environment and Energy Technology 2013 (MISSION-2013), 4 th -6 th , December, Japan	Muralidhar Avvari, S. Narendranath, H. Shivananda Nayaka
34.	Effect of Processing Routes on AZ31 Alloy Processed By Severe Plastic Deformation	International Conference on Advances Manufacturing and Materials Engineering (ICAMME)	Muralidhar Avvari, S. Narendranath, H. Shivananda Nayaka
35.	Mechanical and tribological characterization of flyash and e-glass fibre reinforced aluminium alloy 6061 hybrid composites	International Conference on Advances in Tribology-2014, NIT Calicut from 21st to 24th February, 2014, 389-392	Vivek M and H Suresh Hebbar

36.	Magneto-mechanical coupled magnetostriction model for Terfenol-D actuator under step input	International Conference on Advances in Manufacturing and Materials Engineering, (ICAMME 2014), 27-29 March 2014, Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal, India.	Raghavendra Joshi, Ravikiran Kadoli
37.	Experimental determination of specific heat and thermal conductivity of clay + additives - CaCl ₂ composite desiccant	International Conference on Advances in Manufacturing and Materials Engineering, (ICAMME 2014), 27-29 March 2014, Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal, India.	Hiremath. C. R, Katti. V. V, Kadoli. Ravikiran
38.	Evaluation of Thermocyclic Oxidation Behavior of HVOF Sprayed (Cr ₃ C ₂ -35% NiCr) + 5% Si Coatings on Boiler Tube Steels.	International Conference on Advances in Manufacturing and Materials Engineering, (ICAMME 2014), 27-29 March 2014, Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal, India.	B.Somasundaram, Ravikiran Kadoli, M.R. Ramesh
39.	Flux distribution of 20 m ² fuzzy focal solar parabolic dish concentrator	International Conference on Advances in Energy Research, December 9-11, 2009, IIT Bombay	K. S. Reddy and Veershetty Gumtapure
40.	Flux distribution and field analysis of CSP collector	ISES Solar World Congress 2011, August 28 to September 3, 2011, Kassel, Germany	K. S. Reddy and Veershetty Gumtapure
41.	Experimental Investigation Of Performance & Emission Characteristics Of Simarouba Glauca Biodiesel Blends On Single Cylinder CI Engine	International Conference On Alternative Fuels For I. C. Engines (ICAFICE 2013) MNIT Jaipur, Feb, 2013	M.Vijayakumara, Kulkarni Aniket P, Kumar.G.N, Veershetty.G.,
42.	Computational investigation of unsteady impeller diffuser interaction in a centrifugal compressor with partial vane diffuser at design flow coefficient	International Conference on Computer Aided Engineering (CAE-2013), 19-21 December, 2013, IIT Madras, Chennai	Anish S and Sitaram N
43.	Investigation of the Flow Behavior inside Diffuser Vane at Off-Design Conditions: A Numerical Study	21st ISABE Conference, Sep. 9-13, 2013, Busan	Anish S., Sitaram N. and Kim, H. D
44.	Experimental Investigation of Adiabatic Film Cooling Effectiveness and Heat Transfer	International conference on material science and material engineering (MSME2014), March 15-16, 2014, Chicago	Giridhara Babu Yepuri, Ashok Babu Talanki Puttarangasetty, Felix Jesuraj.

Department of Mining Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	Assessment of Objective Based Blast Performance: Ranking System .	FRAGBLAST-10, 24-29 Nov. 2012, New Delhi.	Prof.V.R. Sastry & Dr. K. Ram Chandar
2	"Selenium and Lead Tolerance in Marine Aspergillus Terreus for Biosynthesis of Nano Particles - Quantum Dots",	International Conference on Civil, Biological and Environmental Engineering, November, December, Thailand.	Jaya Mary Jacob, Soubhik Kumar Bardhan, Raj Mohan B, P. E. Jagadeesh Babu and Aruna M
3	"Corporate Social Responsibility & Sustainable Development in Mining Industry - A Case Study",	International Conference on Corporate Social Responsibility & Sustainable Development - CSR 2013, June, Thailand. SER, New Delhi	Shanth A Thimmaiah, Ravi D. R, Y. V. Rao & M. Aruna
4	Analysis of Dust produced by Longwall Shearer in Underground Coal Mines	International Proceeding Sept, 2013, 17-19,	Prof.Ch.S.N. Murthy, Co-author Vijay Raghavan

Department of Metallurgical And Materials Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	Estimation of spatially dependent heat flux transients during immersion quenching of Inconel 600 probe	ASM- Heat Treat and Surface Engineering Conference and Expo 2013 (HT&SE 2013), Chennai, India, May 16-18, 2013.	G. Ramesh, and K.N.Prabhu
2	Effect of cooling rate on microstructure and thermal analysis parameters of hypereutectic Al-14% Si alloy,	International Conference on Advanced Functional Materials, Trivandrum, India, 19-21, February 2014	Vijeesh V and K.N.Prabhu
3	Corrosion inhibition of 6061 Al-15 vol. pct. SiC(p) composite in sodium hydroxide solution by 4-amino-5-(4-nitrophenyl)-4H-1,2,4-triazole-3-thiol	International conference on Advances in manufacturing and Materials Engineering at NITK Surathkal, India, March 27-29, 2014	Geetha Mabel Pinto, A N Shetty and Jagannatha Nayak
4	A Study on Thermal Behavior of Aluminum Cenosphere Powder Metallurgy Composites Sintered in Microwave	International conference on Advances in manufacturing and Materials Engineering at NITK Surathkal, India, March 27-29, 2014	M G Ananda Kumar, S Seetharamu and Jagannath Nayak,
5	Characterization of Nanocrystalline Zinc Oxide Nanofibrous Webs obtained by Sol-gel Electrospinning	International Conference on 'Advancements in Polymeric Materials APM-2014', CIPET-Bhubaneswar, India, February 2014 (invited paper).	T. Senthil, S. Anandhan

6	Electrospun Nickel Oxide Nanofiber Webs for Thermistor Applications	International Conference on 'Advancements in Polymeric Materials APM-2014', CIPET-Bhubaneswar, India, February 2014.	G. George, S. Anandhan
7	Hot corrosion studies on as-received and HVOF sprayed $Al_2O_3+CoCrAlTaY$ on Ti-31 alloy in salt environment	Intl Conf on Design and manufacturing at Kancheepuram, India, July 18-20, 2013. id: MEC 269	N. Jegadeeswaran, M.R. Ramesh, and K. Udaya Bhat
8	Friction surfacing of mild steel by copper: A feasibility study	International conference on Advances in manufacturing and Materials Engineering at NITK Surathkal, India, March 27-29, 2014	Tarun Kumar J, Arun Kumar, Satish V Kailas, Udaya Bhat K
9	Oxidation resistance of HVOF Sprayed coating 25% $Cr_3C_2-25(NiCr)$ +75% $NiCrAlY$ on Titanium Alloy	International conference on Advances in manufacturing and Materials Engineering at NITK Surathkal, India, March 27-29, 2014	N Jegadeeswaran, M R Ramesh, K Udaya Bhat
10	Electronic Band Structure of Graphene on Silicon Nano-Texture	International Union of Materials Research Society, (ICA 2013) Dec. 16-20 2013 IISc, India (Abstract)	Brahmanandam Javvaji, Abhilash R, B.M. Shenoy, M. R. Rahman, D. Roy Mahapatra, G.M Hegde
11	Electronic band structure and Photon emission Spectra of Graphene on Silicon	SPIE Photonics West Feb. 1-6 2014 San Francisco USA. (Conference Proceeding)	Abhilash R, Brahmanandam Javvaji, B. M. Shenoy, M. R. Rahman, D. Roy Mahapatra, G. M. Hegde
12	Magnetic Properties of Polycrystalline sample of Mn doped $SrZnO_2$	International Conference on Advances in Manufacturing and Materials Engineering, AMME 2014, National Institute of Technology Karnataka March 27-29 2014 Mangalore, India. (Conference Proceeding)	M. R. Rahman, B. Koteswararao, Ammu Priya, F. C. Chou

Department of Physics

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	Structural characterisation of intermetallic nanocrystalline Nickel – Titanium thin films prepared by oblique angle DC unbalanced magnetron sputtering	ICAFM 2014 (2 nd International conference on Advanced Functional Materials) Feb 19-21, Thiruvananthapuram, India.	B. Naveen Kumar Reddy, N. K. Udayashankar
2	Structural and morphological studies on oblique angle DC unbalanced magnetron sputtered intermetallic nanocrystalline NiTi thin films for biomedical applications	ICONSAT 2014 (6 th International conference On Nano Science and Technology) March 3-5, Chandigarh, India.	B. Naveen Kumar Reddy, N. K. Udayashankar

3	Studies of Structural Properties of Porous Anodic Alumina Templates prepared by using two Step Anodization Process	IUMRS ICA 2013 IISc Bangalore Dec 16 – Dec 20 2013	P. Ramana Reddy, N. K. Udayashankar and Ajith K. M.
4	The Effect of Process Parameters on the growth mechanism of Porous Anodic Alumina Templates	ICFM – 2014 IIT Kharagpur 5th Feb - 07 Feb 2014	P. Ramana Reddy, N. K. Udayashankar and Ajith K. M
5	Effect of electrolyte on thermal properties of porous anodic alumina templates	ICMCT – 2014 VIT VELLORE Tamilnadu 10 th March - 12 th March 2014	P. Ramana Reddy, N. K. Udayashankar and Ajith K. M

NATIONAL CONFERENCES

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Conference name. Vol. Issue, Page No.s	Author(s)
1.	Solid waste management for the city of Karkala	National Conference on 'New horizons in Civil engineering' (NHCE-2013), held at MIT, Manipal, 12-13, April, 2013	Vishwanath M, Arkal Vittal Hegde, and M K Nagaraj
2.	Overview of research on semicircular breakwaters	National Conference on 'New horizons in Civil engineering' (NHCE-2013), held at MIT, Manipal, 12-13, April, 2013	Binumol. S, Subba Rao and Arkal Vittal Hegde
3.	Effect of water depth on the performance of computational intelligence models in predicting wave transmission of horizontally interlaced multilayer moored floating pipe breakwater	INCHOE 2014, NIO, Goa, Feb, 2014.	S.G. Patil, S. Mandal, and A.V. Hegde
4.	Transmission Performance of Submerged Semicircular Breakwaters for different Radii and Submergence Ratios	INCHOE 2014, NIO, Goa, Feb, 2014.	A V Hegde and S M Naseeb
5.	Performance of a floating pipe breakwater based on intelligent computing	INCHOE2014, at NIO, Goa, Feb, 2014.	S. G. Patil, S. Mandal, A. V. Hegde
6.	Investigation on berm breakwaters using concrete cubes as armour units	National Seminar on Coastal Environments & their management held at Mangalore University, Managalagangotri, during January 22-23, 2013	Geetha K., Prashanth J. and Subba Rao
7.	Analysis of the effect of anchor rod on the diaphragm wall	National Seminar on Coastal Environments & their management held at Mangalore University, Managalagangotri. during January 22-23, 2013	Parvathy M. M., Yajneswaran B. and Subba Rao

8.	Experimental Studies On Reshaping Berm Breakwaters With Artificial Armour Units	National Conference on New Horizons in Civil Engineering – NHCE 2013, held at MIT, Manipal during 12-13 April, 859-865.	Prashanth J, Subba Rao, Kiran G Shirlal, Balakrishna Rao K and Danny Thomas
9.	Analysis of the Effect of Dredging on Berthing Structure	National Conference on New Horizons in Civil Engineering – NHCE 2013, held at MIT, Manipal during 12-13 April	Yajnheswaran. B, Parvathy M. M. and Subba Rao
10.	A study on reshaping berm breakwaters	National Conference On Emerging Trends In Environment And Energy Management (NCEEM-2013), Shri Madhwa Vadiraja Institute Of Technology And Management, Bantkal, Udupi District, Karnataka.	Subba Rao, Kiran G Shirlal, Prashanth J. and Danny Thomas
11.	Experimental studies on berm breakwater with different armour units	Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE 2014) held at CSIR-NIO Goa during 5-7 February, 215-219	Prashanth Janardhan, B. Subba Rao, C. Kiran G. Shirlal and D. Balakrishna Rao K.,
12.	Genetic Algorithm Tuned Support Vector Machine for Damage Level Prediction of Non-Reshaped Berm Breakwater	Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE 2014) held at CSIR-NIO Goa during 5-7 February, 157-162.	Harish, N., Lokesha, Mandal, S., Rao S. and Patil, S.G.
13.	Wave reflection by emerged seaside perforated quarter-circle breakwater	Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE 2014) held at CSIR-NIO Goa during 5-7 February, 157-162.	V.Hafeeda, S. Binumol, A. V Hegde and Subba Ra
14.	Physical modeling of the effect of submerged vegetation upon wave damping	National Seminar on Coastal Environments & their management held at Mangalore University, Managalagangotri, during January 22-23, 2013	Hashim V. Meeran and Kiran G. Shirlal
15.	Impact of submerged vegetation on wave field-An experimental approach	National Conference on Emerging Trends in Environment and Energy Management (NCEEM-2013), Oct 18-19, 2013, Shri Madhwa Vadiraja Institute of Technology & Management, BANTAKAL, Udupi Dist, Karnataka, pp 83-86.	Kiran G. Shirlal and Hashim V. Meeran
16.	Geosynthetics-A soft Option for Coastal protection	National Conference on Emerging Trends in Environment and Energy Management (NCEEM-2013), Oct 18-19, 2013, Shri Madhwa Vadiraja Institute of Technology & Management, BANTAKAL, Udupi Dist, Karnataka, pp 83-86.	Kiran G. Shirlal and Ramesh Reddy Mallidi
17.	Role of Bioshields as a Shelter from Tsunamis and Storm Surges-A Review	National Conference on Emerging Trends in Environment and Energy Management (NCEEM-2013), Oct 18-19, 2013, Shri Madhwa Vadiraja Institute of Technology &	Beena Mary John and Kiran G. Shirlal

		Management, BANTAKAL, Udupi Dist, Karnataka, pp 83-86.	
18.	Earned Value Method – A Comprehensive Approach for Earned Value Management	National Conference on Contemporary Civil Engineering Research & Practices – CCERP 2012, April 20-21, Manipal Institute of Technology, Manipal, pp 39	Subrahmanya K., Shiji S. G.
19.	Optimisation of Construction Project Network for Time & Cost Under Constrained Resource Environment	National Conference on Contemporary Civil Engineering Research & Practices – CCERP 2012, April 20-21, Manipal Institute of Technology, Manipal, pp 38	Subrahmanya K. and Amit Prakash Patil
20.	Simulation of quantitative Risks in Construction Projects	National Conference on Contemporary Civil Engineering Research & Practices – CCERP 2012, April 20-21, Manipal Institute of Technology, Manipal, pp 40	Subrahmanya K. and Vinay Hadimani
21.	Dispute Resolution in Indian Construction Industry	National Conference on Contemporary Civil Engineering Research & Practices – CCERP 2012, April 20-21, Manipal Institute of Technology, Manipal, pp 46	Subrahmanya K., Nisha M. and Mahesh Patil
22.	Dynamics of Offshore Cylindrical Structures	National Conference on Contemporary Civil Engineering Research & Practices – CCERP 2012, April 20-21, Manipal Institute of Technology, Manipal, pp 138	Subrahmanya K., and Ashwini
23.	Spatial & temporal analysis of rainfall pattern over western ghat of Karnataka	National conference on New Horizons in Civil Engg.-NHCE2013, M.I.T. Manipal, 2013, pp 736-744	Adarsh Koti and B.M.Dodamani
24	Neural networks for tidal level prediction at Karwar, west coast of India	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014.	G. S. Dwarakish and S. Rakshith
25	Analysis of Land Use/Land Cover distribution using Remote Sensing and GIS: A Case Study of Mulki River Basin, Karnataka	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014.	Ganasri B. P and Dwarakish G. S
26	A Comparative Analysis of Histogram Equalization based Contrast Enhancement Techniques for Detection of Shoreline using Satellite Images	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014	Raju. A, Dwarakish G. S and D. Venkat Reddy
27	Land use/ Land cover changes around Rameshwaram Island, East coast of India	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014	R.Gowthaman, G. S. Dwarakish and V.Sanilkumar

		<i>Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014	
28	Study of Coastal Sediment Dynamics and Sand Spit Morphology Around Netravati – Gurpur Rivermouth Through Integrated Approach	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014.	G. S. Dwarakish
29	Evaluation of catchment characteristics through morphometric analysis using remote sensing and GIS	<i>National Conference on Emerging Trends in Environment and Energy Management (NCEEM -2013)</i> , SMVITM, Udupi, Karnataka, India, 18-19 October, 2013, pp. 35	Nujuma Nazimudhin; P. Sri Ram Kumar; Deepthi I. Gopinath; Ganasri B.P.; Raju A.; Archana. V.; G. S. Dwarakish
30	Tsunami Forecasting - An Overview, Proc. of the <i>Fourth International Workshop on Performance, Protection and Strengthening of Structures Under Extreme Loading</i>	<i>PROTECT 2013</i> , Mysore, India, August 26-27, 2013	Dwarakish G S and Deepthi I Gopinath
31	Integrated Approach for Sediment Dynamics of Mulki-Pavanje Rivermouth, Mangalore Coast, West Coast of India	Proc. National Conference <i>OSICON 2013, Role of Oceans in Earth System</i> , IITM, Pune, 26-28 November, 2013, pp.181-184	Dwarakish G S and Usha Natesan
32	Sediment Trend Analysis and Determination of Sediment Movement Patterns Along Coastline in the vicinity of Mulki-Pavanje River Mouth	National Conference on <i>New Horizons in Civil Engineering - NHCE 2013</i> , MIT Manipal, 12th - 13th April 2013	Mrinal S Murali and Dwarakish G S.,
33	Artificial neural networks for prediction of tides at Karwar, West coast of India	National conference on <i>New Horizons in Civil Engineering-NHCE 2013</i> , MIT, Manipal, India, 12-13 April 2013.	Rakshith, S. and Dwarakish, G. S
34	Coastal erosion and mitigation measures along Mangalore Coast, South West Coast of India	Proc. <i>National Seminar on Coastal Environments and their Management</i> , 22-23 January, Mangalore University, Mangalore, India, PP.74	Dwarakish G S and Usha Natesan
35	Comparison of various methods for prediction of possible sediment movement patterns through variations in grain size parameters	Proc. <i>National Seminar on Coastal Environments and their Management</i> , 22-23 January, Mangalore University, Mangalore, India, PP.46.	Mrinal S Murali and Dwarakish G S
36	Artificial neural networks for prediction of tides: State-of-the-art	Proc. <i>National Seminar on Coastal Environments and their Management</i> , 22-23 January, Mangalore University, Mangalore, India, PP. 37	Rakshith S. and Dwarakish G. S.,
37	Shoreline changes of Dhanushkodi, Tamil Nadu, India	Proc. <i>National Seminar on Coastal Environments and their Management</i> , 22-23 January, Mangalore University, Mangalore, India, PP. 29	R Gowthaman, V Sanilkumar and Dwarakish G S
38	Some Dredging Equipments for Deep and Shallow Water	, Association of Consulting Civil Engineers(I), Mangalore Centre,	Mrinal S Murali and Dwarakish G S.,

Marine Applications - An Overview	Mangalore, 11th -12th January 2013, pp. 303-316.
-----------------------------------	--

Department of Civil Engineering

Sl. No	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	Sand Spit and Shoreline Dynamics Near Terekhol River Mouth, Goa, India	Indian National Conference on Harbour and Ocean Engineering, Goa, 5-7 Feb , 2014	C. Rajasekaran, Jaya kumar Seelam, R. Gowthaman, M. Jishad, E.M. Yadhunath and P.S. Pednekar
2	Studies on the dynamic response of coastal sediments due to natural and manmade activities for the Puducherry coast	Indian National Conference on Harbour and Ocean Engineering, Goa, 5-7 Feb , 2014	G. Vijayakumar, C. Rajasekaran, T. Sundararajan and D. Govindarajalu
3	Studies on near shore wave transformation of Puducherry coast	Indian National Conference on Harbour and Ocean Engineering, Goa, 5-7 Feb , 2014	K. Pandurangan, G. Vijayakumar, C. Rajasekaran and M.A. Sivasankaran
4	Surfzone Currents at Candolim and Miramar Beaches of Goa, India: Measurements and Comparisons	Indian National Conference on Harbour and Ocean Engineering, Goa, 5-7 Feb , 2014	Yadhunath , Jaya Kumar Seelam, M. Jishad, R. Gowthaman, C. Rajasekaran, and P.S. Pednekar
5	Stabilization of Lithomargic Clay Using RBI 81 For Pavement Construction	2nd National Conference on "Recent Advances in Civil Engineering (RACE – 2013), Saintgits College of Engineering, Kottayam, Kerala, 6th and 7th September 2013.	Lekha, B.M, Goutham Sarang and Ravi Shankar, A.U
6	Soil moisture uptake under different salinity levels for paddy crop	2nd International Conference on Agricultural & Horticultural Sciences February 03-05, 2014, Hyderabad, India (OMICS Group)	Devatha, C. P.
7	Comparison of Stone Matrix Asphalt Mixtures Prepared in Marshall Compaction and Gyratory Compactor	Sustainable Innovative Techniques In Civil and Environmental Engineering" (SITCEE - 2014) by "Krishi Sanskriti" at JNU, New Delhi on 4th and 5th January, 2014.	Goutham Sarang, Mehnaz E and A U Ravi Shankar
8	Laboratory Performance of RBI – 81 treated soil as Pavement Material	Sustainable Innovative Techniques In Civil and Environmental Engineering" (SITCEE - 2014) by "Krishi Sanskriti" at JNU, New Delhi on 4th and 5th January, 2014.	Lekha B M and Ravi Shankar A U
9	Dynamic soil-structure interaction analyses of tall reinforced concrete industrial chimneys on piled raft foundations	Proc. of the Indian Geotechnical conference, IIT Roorkee	S. V. Jisha, B. R. Jayalekshmi and R. Shivashankar

10	Parametric study on reinforced granular beds overlying weak soil	Silver jubilee symposium of Intl. Geosynthetics Society (India), New Delhi	R. Shivashankar, J. Jayamohan and M. Venkateswara Reddy
11	Behaviour of prestressed geosynthetic reinforced granular bed overlying weak soil	Proc. of the Indian Geotechnical conference, IIT Roorkee	M. S. Aswathy, J. Jayamohan and R. Shivashankar
12	Evaluation of Different Vehicle Following Models under Mixed Traffic Conditions	2nd Conference of Transportation Research Group of India (CTRG), Agra, Delhi	Venkatesan Kanagaraj, Gowri Asaithambi, Naveen Kumar, Karthik K. Srinivasan and Sivanandan, R.
13	Vehicle Class-wise Speed Volume model for Three-lane Undivided Urban Roads	2nd Conference of Transportation Research Group of India (CTRG), Agra, Delhi	Balaji Ponnu, Jomy Thomas, Kartikeya Jha, Gowri Asaithambi and Karthik K. Srinivasan.
14	Soil-structure interaction effects on seismic response of a 16 storey RC framed building with shear wall	National Conference on recent advances in structural engineering held during Dec 13th - 15th 2013 at Cochin university of science and technology	Chinmayi H.K. and Jayalekshmi B.R
15	Modeling of Masonry infills- A review	National Conference on recent advances in structural engineering held during Dec 13th - 15th 2013 at Cochin university of science and technology	Catherin Jeselia M., Jayalekshmi B.R., KattaVenkataramana

Department of Chemical Engineering

Sl. No.	Title of Paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	Low level endotoxemia not associated with endotoxin tolerance or priming	Immunocon-2013, New Delhi Nov 15-17, 2013	Gangamma S.

Department of Chemistry

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Synthesis and Characterization of CdOPolypyrrolenano composite thin films	KSTA Conference-2013, Christ University, Bangalore, 20-21 st December, 2013	Raghavendra Prasad J and Badekai Ramachandra Bhat,
2.	Zinc Oxide Nano flowers as Gas Sensor,	ICC Conference-2013, Karnataka University, Dharwad, 28-30 th November, 2013.	Raghavendrprasad J and Badekai Ramachandra Bhat,
3	Hydroxide supported magnetite as a magnetically separable heterogeneous catalyst for liquid phase oxidations	ICC Conference-2013, Karnatak University, Dharwad, 28-30 November, 2013.	Badekai Ramachandra Bhat, Pooja. B. Bhat,

Department of Electronics and Communication Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	A 180° Bit C-Band Phase Shifter Using Interdigital Low Pass/High Pass Filter	6th ISSS conference on MEMS, Smart Materials, Structures and Systems, 6-7, September, 2013, Pune, India.	Chenna Reddy E. S. Shajahan M. S. Bhat
2.	RF MEMS based Loaded Line Phase Shifter for X-band Applications	6th ISSS conference on MEMS, Smart Materials, Structures and Systems, 6-7, September, 2013, Pune, India.	B. Vasudev Anand E. S. Shajahan M. S. Bhat

Department of Electrical & Electronics Engineering

Sl. No.	Title of paper	Conference Name, Vol., Issue, Page Nos.	Author(s)*
1.	Real-Time Simulation of Synchronous Generator and Its Controllers On RTAI-Linux Platform'',	Proceedings of IEEE India conference, INDICON-2013, to be held at IIT Bombay, December, 13-15th 2013. This paper will be appearing in the IEEE Xplore	Adharapurapu Hema Latha and K. N. Shubhanga
2.	Implementation and Characterization of a Numerical Distance Relay Using a Relay Test-Bench on RTAI-Linux Platform,	Proceedings of IEEE India conference, IDICON-2013, to be held at IIT Bombay, December, 13-15th 2013. This paper will be appearing in the IEEE Xplore.	Anjan Padmasali, Kiran Amoghmath, Pragyan P. Hazarika, Puneeth K. Shetty and K.N. Shubhanga,

Department of Humanities, Social Sciences and Management

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Exchange Rate Volatility and Investment: Firm Level Evidence from India	Three-Day National Conference on Economic Reforms, Growth and Social Welfare. Organized by Department of Economics, School of Global Studies Central University of Kerala, Kasaragod on 16- 18 December, 2013.	Rajesh Acharya H and Anver Sadath
2.	Exchange Rate Volatility and Investment: Firm Level Evidence from India	Two Day National Seminar on Applications of Panel Data. Organized by Centre for Economic and Social Studies (CESS), Hyderabad in collaboration with The Indian Econometric Society (TIES) on 25-26 March, 2014.	Rajesh Acharya H and Anver Sadath
3.	Is Financial Inclusion an Addition to the waves of microfinance?	National Conference on Market State and Society in Emerging India	Rajasha M and Kiran K.B.

Department of Mechanical Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Studies on air entrainment in a circular turbulent jet using a pipe	Proceedings of 40th National Conference on Fluid Mechanics and Fluid Power, 12-14, December, 2013, NIT Hamirpur	Jayaram Thumbe, Pramod K., Ravikiran Kadoli, K. V. Gangadharan
2.	Spray and combustion characterization in common rail direct injection (CRDI) engine - a review.	National Conference on Fire Research and Engineering (FiRE), IIT Roorkee, India, March 01-02, 2014.	Venkatesh Lamani, Ajay Kumar Yadav, G. N. Kumar
3.	Analytical computation of admittance, decrement factor, time lag and surface factors for different exterior wall materials of the buildings in dakshina kannada district	22nd National Conference and 11th ISHMT – ASME Heat and Mass Transfer Conference to be held on December 28-31, 2013, IIT Kharagpur, West Bangal, INDIA	Saboor and T. P. Ashok Babu
4.	Experimental and numerical investigation of effect of blowing ratio on film cooling effectiveness and heat transfer coefficient over a gas turbine blade leading edge film cooling configurations	ASME 2013 Gas Turbine India Conference, December 5-6, 2013, Bangalore, India	Giridhara Babu Yepuri, Gururaj Lalg, Ashok Babu Talanki Puttarangasetty, Felix Jesuraj, Sreenivas Rao V.Kenkere, Vinod kumar Nanjundaiah

Department of Mining Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	Controlled Blasting for an U/G Metro Rail project in Urban Environment.	National Seminar on "Geotechnical Challenges in Infrastructure Projects. 25-26 April. 2013, New Delhi, 74-83.	Prof.V.R. Sastry & Dr. K. Ram Chandar
2	Analysis of Delay Timing in Blasting Operations using High Speed Video Recordings.	National Seminar on Explosives & Blasting Techniques for Mining, Quarrying and Infrastructure Industry, 27-28 Sept. 2013, NITK, Surathkal, 58-69.	Sastry, V.R., Ram Chandar, K., Suraj.P., and Mahesh Kumar, M.R.
3	Effect of Joints on Fragmentation: A Case Study using Sirovision.	National Seminar on Explosives & Blasting Techniques for Mining, Quarrying and Infrastructure Industry, 27-28 Sept. 2013, NITK, Surathkal, 131-142.	Sastry, V.R., Ram Chandar, K., Chiranth Hegde, and Srisharan Sreedharan.
4	Optimization of Blast Design Parameters on Energy Distribution.	National Seminar on Explosives & Blasting Techniques for Mining, Quarrying and Infrastructure Industry, 27-28 Sept. 2013, NITK, Surathkal, 243-250.	Sastry, V.R., Ram Chandar, K., Kedar, P.N, and Ankan Pal, 2013.
5	Induced Blasting Practice for Hard Roof Management in Blasting Gallery Method: A Case Study.	National Seminar on Explosives & Blasting Techniques for Mining, Quarrying and Infrastructure Industry, 27-28 Sept. 2013, NITK, Surathkal, 322-327	Kumar Reddy, S., Sastry, V.R., and Ram Chandar, K., 2013.

14 TECHNICAL EVENTS

Department of Applied Mechanics and Hydraulics

STTPs/Schools/Conferences/Seminars/Workshops etc.

Type of event	Name of event	Dates & Duration	Sponsor (s)	Co-ordinator
Workshop	Workshop	23-24 September 2013	NITK, Surathkal	G.S.Dwarkish
Symposium	Symposium	21. October 2013	Ministry of Earth Sciences, Govt. of India	N. Lakshman, Dr. B.M.Dodamani and Dr. H. Ramesh

Foreign Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
P Venkat Lakshmi	Professor, Calorina University	Visited For Workshop on 'Geoinformatics for Water and Coastal Engineering' and given lecture	23-24, September 2013

Indian Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
Usha Natesan	Director, S.R., Anna Univ., Chennai	Visited for Workshop on 'Geoinformatics for Water and Coastal Engineering' and given lecture	23 rd September 2013
M.V. Ramana Murthy	Scientist, NIOT, Chennai	Visited for Workshop on 'Geoinformatics for Water and Coastal Engineering' and given lecture	23-24, September 2013
Vinod K. Gaur	Honorary Scientist, CSIR Fourth Paradigm Institute, Bangalore	Given a guest lecture in the Symposium 'Outstanding Issues for Hydrological Research in India'	21 st & 22 nd October 2013
M. Sekhar	Professor, IISc, Bangalore	Given a guest lecture in the Symposium 'Outstanding Issues for Hydrological Research in India'	21 st & 22 nd October 2013
Rajiv Sinha	Professor, IIT, Kharagpur	Given a guest lecture in the Symposium 'Outstanding Issues for Hydrological Research in India'	21 st & 22 nd October 2013
Sharad Jain	Scientist, NIH, Belgaum	Given a guest lecture in the Symposium 'Outstanding Issues for Hydrological Research in India'	21 st & 22 nd October 2013
PP Mujumdar	Professor, IISc, Bangalore	Given a guest lecture in the Symposium 'Outstanding Issues for Hydrological Research in India'	21 st & 22 nd October 2013

Department of Chemical Engineering

Type of Event	Name of Event (Topic)	Dates & Duration	Sponsor(s)	Corodinator(s)
Two days workshop	Expert Lecture Series on Advances in Process Control	4 th and 5 th October 2013	TEQIP-II	VidyaShetty K. Associate Professor & Head, Department of Chemical Engineering, Coordinator.
<p>Participants: VI and VIII semester BTech students, M.Tech students and research scholars from Chemical Engineering department and other departments</p> <p>Resource Persons:</p> <ul style="list-style-type: none"> i) RavindraGudi, Dept. of Chemical Engg., IIT, Bombay ii) S.Sundarmurthy, Dept. of Chemical Engg., Pondicherry Engg. College, Pondicherry iii) SanjayDave, Honeywell Technologies Ltd, Bangalore iv) VenkateshRajaGopalan, General Electric Technology Centre, Bangalore 				

Foreign visitors to Department

Name of Visitor	Designation & affiliation	Purpose of Visit	Dates of Visit
Pogadu Ravindra,	Professor of Chemical engg., Director of Oil and Gas Engg., University of Malaysia Sabah	To deliver a special talk on "Green Engineering – A Borderless Science"	15 th & 16 th April, 2013.
Arun Ramachandran,	Assistant Professor, Department of Chemical engg. and Applied Chemistry, University of Toronto, Toronto, Ontario, Canada	To deliver a special talk on "Recent Progress in understanding the Stability of Vasicles dispersion"	Wednesday, 21.08.2013,
Venkatesh Balan,	Associate Professor, Department of Chemical Engg. & Material Science, Michigan State University, USA	To deliver a special talk on "Integrated Method of Producing Biofuels using Oil Cakes and Lignocellulosic Biomass Seed Cover"	Wednesday, 13.11.2013

Department of Civil Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Coordinator(s)	Sponsor(s)	Dates & Duration	Name of Event	Type of Event
Suresha S. N. & Gangadhar Mahesh	TEQIP-II, NITK Surathkal	26-28 Aug., 2013. 3-Days 13-15 Sep., 2013. 3-Days 08-10 Oct., 2013. 3-Days	Professional Skill Development Programme for the Post Graduate Students of Civil Engineering Department	Workshop

R.Shivashankar Sitaram Nayak B.M.Sunil	TEQIP-II, NITK Surathkal	05-06, September, 2013	Ground Improvement and Use of Geosynthetics	Workshop
K.S.Babunayanan B.Manu Arun Kumar Thalla	TEQIP-II, NITK Surathkal	20-21 Sep., 2013. 2-Days	Training of Environmental Science and Engineering professors	Workshop
Gangadhar Mahesh Subash C Yaragal	Karnataka State Pollution Control Board and Trade Vision Group	21 March 2014	Best Practices to Control Pollution in Stone Crusher and RMC Plants	Workshop

Visits of Experts/Foreign Dignitaries to the Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Ryosuke Kitamura	Professor Emeritus Kagoshima University, Japan	Senior Research Advisor (under TEQIP)	18-08-2013 to 13-09-2013
J.N.Mandal	Professor IIT Bombay, Mumbai.	Resource Persons, 2-Day Workshop on "Ground Improvement and Use of Geosynthetics"	05-06, September, 2013
T.N.Singh	Professor IIT Bombay, Mumbai.	Resource Persons, 2-Day Workshop on "Ground Improvement and Use of Geosynthetics"	05-06, September, 2013
Dennes T.Bergado	Professor Asian Institute of Technology, Bangkok, Thailand.	Resource Persons, 2-Day Workshop on "Ground Improvement and Use of Geosynthetics"	05-06, September, 2013
K.Rajagopal	Professor IIT Madras, Chennai	Resource Persons, 2-Day Workshop on "Ground Improvement and Use of Geosynthetics"	05-06, September, 2013
Ravindra K Dhir	Adjunct Professor Trinity College of Dublin.	Interaction meet	17-19, September, 2013
Roger P West	Head of Department of Civil, Structural & Environmental Engineering	Interaction meet	17-19, September, 2013
Sumie Nakatani	Professor International Planning Center, Kagoshima University, Japan	Interaction meet	28- 30, October, 2013
S Kako K Sako M Tateyama H Komaki	Kagoshima University, Japan	Research interaction	16-20, December 2013
V S Phanikanth	BARC, Mumbai	Expert Lectures	3-6, February 2014

Department of Computer Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Android Application Development	Two day, 13 th -14 th April 2013	IIT Bombay	Annappa
Short Term Training programme	Recent Advancements and Research Directions in Software Engineering - RAISE '13	Five day, 10 th -14 th June 2013	TEQIP-II	Annappa, Mr. B.R. Chandavarkar
Workshop	Simulation of Wired and Wireless Networks (SWN-2013)	Three day, 17 th -19 th June 2013	--	B.R. Chandavarkar, Mohit P. Tahiliani
Workshop	Recent Developments in Software Testing (SoftTest – 2013)	Two day, 18 th –19 th September 2013	TEQIP-II	Annappa, Mohit P. Tahiliani
Expert Lecture	“BIG DATA and ANALYTICS” by Ridhi Sahni, Associate Consultant, WIPRO Technologies, Bangalore	27 th September 2013	--	Annappa
Expert Lecture	“Opportunities at STEP for financial support to students developed ideas”, by Mr. P. Suresh Bhat, Director, NITK-STEP, Surathkal	31 st October 2013	--	Annappa
Seminar	Research Interaction Seminar	Two day, 06 th – 07 th November 2013	TEQIP-II	K. Chandrasekaran, Mohit P. T
Workshop	Network Simulation using NS-3	Two day, 07 th – 08 th December 2013	TEQIP-II	B.R. Chandavarkar, Mohit P. Tahiliani
Second International Conference	Advanced Computing, Networking and Security - ADCONS '13	Three day, 15 th –17 th December 2013	Partial support TEQIP-II	Annappa, Ananthanarayana V.S
Workshop	Medical Image Computing	Two day, 17 th –18 th January 2014	TEQIP-II	Jeny Rajan
Workshop	Microsoft Aapathon BOOT-CAMP	One day, 18 th January 2014	-	Annappa
Expert Lecture	Cloud Computing Architecture & Security Reliability by Mr.C.Mahabalesha, TCS, Bangalore	08 th February 2014	TEQIP-II	Annappa
Short Term Training Program	Big Data & Machine Learning- (BIG LEARN 2014)	Three day, 21 st –23 rd February 2014	TEQIP-II	Annappa, Shashidhar G. Koolagudi
Keynote Lecture	“Soft Computing, Machine Intelligence and Granular Mining”, by Padma Shri	21 st – 22 nd February 2014	TEQIP-II	Annappa

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
	Prof.Sankar Kumar Pal from ISI Kolkata			
Expert Lecture	"Introduction to Kernelization and Parameterized Algorithms" by Dr. Manu Basavaraju, Post-Doctoral Fellow, Dept. of Informatics, University of Bergen, Norway	26 th February 2014	Institute fund	K. Chandrasekaran
Workshop	Neural Networks' Approach for Speech Tasks	Two day, 28 th February 2014 to 01 st March 2014	TEQIP-II	Shashidhar G. Koolagudi
Workshop	CSE Curriculum Restructuring	02 day, 5 th – 6 th March 2014	TEQIP-II	K. Chandrasekaran K Vinay Kumar Annappa
A International Summer School	Leading Edge Software Engineering (ISS-LESE 2014)	Six day, 3 rd – 8 th March 2014	TEQIP-II	K. Chandrasekaran
Workshop	Fundamentals of Speech Processing	Two day, 14 th -15 th March 2014	TEQIP-II	Shashidhar G. Koolagudi, Annappa

Foreign Visitors to Department:

Name of the Visitor	Designation & Affiliation	Purpose of visit	Date of Visit
Prashant Shenoy	Professor, Computer Science, University of Massachusetts (UMass) Amherst	Interaction with faculty members	08 th August 2013
San Murugesan	Editor-in-chief, IEEE IT Professional Magazine, University of Western Sydney, Australia	Keynote Speaker for ADCONS'13	17 th December 2013
Alexander Gelbukh	Research Professor & Head of the National Language Laboratory, Centre for Computing Research, National Polytechnic Institute (IPN), Mexico	Keynote Speaker for ADCONS'13	15 th – 17 th December 2013
Paul Albuquerque	Department of Information Technology Engineering, University of Applied Sciences Western Switzerland, Technology. Architecture and Landscape (hepia), Geneva, Switzerland	Discussion on possible collaboration between NITK CSE department and University of Applied Sciences Western Switzerland, Technology, Architecture and Landscape	02 nd January 2014

Name of the Visitor	Designation & Affiliation	Purpose of visit	Date of Visit
Ganesh Kasturi Rangan	Alumni CSE 1990, Lucent Tech, USA	Lecture on "Wireless Networks"	08 th January 2014
Manu Basavaraju	Post-Doctoral Fellow, Dept. of Informatics, University of Bergen, Norway	Expert Lecture on "Introduction to Kernelization and Parameterized Algorithms"	26 th February 2014
Barrett R Brayant	Professor and Chair, Department of Computer Science and Engineering University of North Texas, USA	Expert Speaker for ISS-LESE 2014 and for CSE Curriculum Restructuring workshop	5 th – 6 th March 2014
David Lo	Assistant Professor, School of Information Systems Singapore Management University, Singapore	Expert Speaker for ISS-LESE 2014	07 th March 2014
Neil Davidson	Professor, University of South Australia, Australia	Expert Speaker for ISS-LESE 2014	08 th March 2014

Department of Chemistry

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
National Symposium	CRSI Mid Year Symposium-2013	July 12-13, 2013	CRSI, NITK	Arun M. Isloor & Darshak R. Trivedi

Department of Electronics And Communication Engineering

Technical Events organized STTPs/Schools/Conferences/Seminars/Workshops, etc.

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Embedded Systems Development	12 th & 13 th April 2013	TEQIP - II	Aparna P. Ramesh Kini
Workshop	Comsol Multiphysics	22 nd August 2013	Dept. of E & C Engg.	M S Bhat
Workshop	Induction Training Programme for Newly Recruited Faculty	1 st – 4 th July 2013	TEQIP - II	U Sripathi Prashantha Kumar H M R Arulalan
Workshop	Emerging Trends in Optical Communication Systems & Networks ETOCSN - 2013	5 th and 7 th September 2013	TEQIP - II	Prashantha Kumar H Aswini Chaturvedi
Workshop	Recent Trends In Signal Processing And	13 th – 14 th September 2013	TEQIP - II	A V Narasimhadhan P Srihari

	Communication Technologies (RTSCT-2013)			
Workshop	Big Data Analytics and Applications	23 rd - 24 th October 2013	TEQIP - II	M R Arulalan
Workshop	Advanced Linear Algebra and its applications in Signal and Image Processing	18th to 21st January 2014	TEQIP – II	M R Arulalan
Workshop	Embedded Project Ideation Workshop for Students with INTEL India	22nd March 2014 23rd March 2014	INTEL, Bangalore	Ramesh Kini
Workshop	Research Topics on Information Theory	29th March 2014 30th March 2014	TEQIP – II	U Sripati

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Pradeep K Atrey	Dept. Of Applied Computer Science, University of Winnipeg, Canada	Expert Lecture: Multimedia processing over the cloud	24 th August 2013
Arun K Majumdar	Senior Scientist, Ridgecrest, California USA	Workshop ETOCSN -2013 Lecture topic: FSO Communications Fundamentals and Advanced Concepts Advances in FSO	5 th and 7 th September 2013
Eberhard Hechler	Executive Architect, IBM Singapore	Delivered lectures on Big Data Analytics and Applications	23 rd - 24 th October 2013
Prasad Sudhakar	Catholic Univ. Belgium	Expert lecture: Compressed Domain Signal Processing Advanced Linear Algebra in Image & Signal Processing	20th January 2014 21st January 2014

Department of Electrical & Electronics Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc.

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Two-day's Workshop	Selected Topics Research in Electrical Power (STREP-2013)	28 th and 29 th September 2013- two days	NITK TEQIP-II	G S Punekar and A Karthikeyan
Two-day's Workshop	Principles of analog / digital measurements and hardware debugging techniques	19-20 th September 2013	NITK and Ms. Agilent Technology	K.P Vittal, A Karthikeyan

Three-day's Workshop	Short term course on Power Electronics in Distributed Generations	February 7-9, 2014	NITK, NaMPET An Initiative of DIET	P Pathiban, Dr. A Kathikeyan
Invited lecture	Lecture 1 General Power delivery on computer chips and power managements Lecture 2: How to write and way to write papers, patents and publications	31 st January 2014	NITK	K.P Vittal

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Subhasis Nandi	Professor, University of Victoria	Invited lecture on 'Fault Analysis and condition monitoring of electric machines'	23 rd January 2014
Bidhyut Bhattacharya	Intel Corporation, chip design Currently with NIT Agartalla	Expert talk on Laptop and smart devices Battery design	5 th February 2014
Uday Mahskar	APC Snider	Expert talk on Smart grid	28 th September, 2013

Department of Humanities, Social Sciences and Management

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Workplace Sensitisation	22 November, 2013	NITK	Shashikantha Koudur

Summer University 2014

As part of MOU with University of Applied Sciences, Western Switzerland, School of Business and Engineering Vaud (HEIG-VD), Switzerland; 'Summer University 2014' was organized at NITK on Business Engineering and Intercultural Communication from February 21 – March 6 2014. Dr. Bijuna C.Mohan coordinated the programme.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Laurence Larghi	Swiss Professor, School of Business and Engineering, HEIG-VD, Switzerland	Faculty and Student Exchange programme	20 - 27 November 2013
Laurence Larghi Bernard Collet Eytan Zysman	Swiss Professors, School of Business and Engineering, HEIG-VD, Switzerland	Summer University on Business Engineering and Intercultural communication	February 21 – March 6 2014
Srivatsa Sheshadri	Professor, University of Nebraska, USA	Invited Lecture	5 August 2013
Prabhudev Konana	Professor, University of Texas, Austin, USA	Invited Lecture	22 August 2013

Department of Information Technology

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Research Trends in Information Technology	11-12 July 2013	TEQIP-II	Dinesh Naik Biju R Mohan
Workshop	Virtualization	27 Sept. 2013	TEQIP-II	Dinesh Naik Biju R Mohan
Workshop	Attacks of different layers of TCP/IP and tools for analysis	10-11 Oct. 2013	TEQIP-II	Jaidhar C D Dinesh Naik
Guest Lecture	Heterogeneous Computing by Dr. Prakash S R, Principal Member of Technical Staff, AMD India Pvt. Ltd. Bangalore	25 Oct. 2013	TEQIP-II	Ananthanarayana V S
Conference	Advanced computing, Networking and security(ADCONS)	15-17 Dec. 2013	TEQIP-II	Ananthanarayana V S Annappa
Guest Lecture	Mobile Computing & Research Trends by Prof. Nabanita Das, ISI Calicut	24 Jan. 2014	IT Dept, NITK	Ananthanarayana V S
Workshop	Software Testing	24 Feb. 2014	TEQIP-II	Dinesh Naik Biju R Mohan

Department of Mathematical And Computational Sciences

STTPs/Schools/Conferences/Seminars/Workshops, etc.

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Number Theory and Cryptology	September 13-14, 2013	NITK	B.R. Shankar
Workshop	One Day Workshop on Restructuring and Renaming of the M.Tech. Programme of the Dept. of M.A.C.S.	September 28, 2013	NITK	S. S. Kamath and Murulidhar N. N.
Workshop	Fifth Meeting of the DST Expert Committee on Physical and Mathematical Science & Group Monitoring Workshop on Fast Track Proposals	January 2-4, 2014	DST	B.R. Shankar
Workshop	2 nd One Day Workshop on Restructuring and Renaming of the M.Tech. Programme of the Dept. of M.A.C.S.	January 25, 2014	NITK	S. S. Kamath and Murulidhar N. N.

Department Of Mechanical Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
International Conference	International Conference on Advances in Manufacturing and Materials Engineering (ICAMME - 2014)	27-29 March, 2014 3 Days	TEQIP, CSIR, JSW Steel Limited, ONGC Mangalore Petrochemicals Limited	Narendranath S. Ramesh M.R. D.Chakradhar M. .Doddamani Srikanth Bontha
National Workshop	Dynamic Analysis of Machines and Structures (DAMS 2014)	29 th Jan 31 st Jan 2014, 3 Days	TEQIP	Jeyraj P. and Hemantha kumar
National Workshop	Numerical and Experimental based Stress Analysis	16-19 Dec, 2013	TEQIP-II	S. M. Murigendrappa and G.C. Mohan Kumar
National Workshop	Recent trends in design & precision engineering	9-12 December 2013	TEQIP-II	G.C. Mohan Kumar
National Workshop	Cutting Edge Technologies For Diesel Engines	20-22, March, 2013,	TEQIP	Kumar G.N & Veershetty G
STTP	Nanofluids	26-29 Aug 2013	Mechanical Engg. Dept./ Kumamoto University	Ajay K. Yadav
STTP	Renewable energy	06-08 Jan 2014	Mechanical Engg. Dept./ ISRO	Ajay K. Yadav

Foreign visitors to Department

Name of the visitor	Designation and Affiliation	Purpose of visit	Date of visit
Prof. Shuichi TORII	Professor, Department of Mechanical Engg, Kumamoto university, Japan	Technical Invited Talk	14th March, 2013
Michel Kocher	Summer University Switzerland	MS and R&D exchange programme	28-2-1012
Jean Bernord Mickle	Professor School of Business and Engineering, Vaud Switzerland	MS and R&D exchange programme	28-2-1012
Amod A Ogle	Professor, Clemson University, Clemson, SC	Keynote Speaker for conference	27 th March 2014
Svetlana	Research scholar, Dept. of material science Engg., Ural Federal university, Russian federation. Russian	Paper Presenter	27 th March 2014
Prem Gunnasegaran	Malaysia	Paper Presenter	27 th March 2014
Gyula Hermann	Hungary	Paper Presenter	27 th March 2014
Agnes Zentai	Hungary	Paper Presenter	27 th March 2014

Department Of Mining Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc.

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	National Workshop on Recent Developments in Rock Mechanics and Ground Control	01 st October, 2013 to 3rd October, 2013	Different Mining Companies	Ch.S.N Murthy
National Seminar	National Seminar on Explosives & Blasting Techniques for Mining, Quarrying & Infrastructure Industry (EBTMQI).	27-09-2013 to 28-09-2013	Different Mining Companies	V.R. Sastry and K. Ram Chandar

Department of Metallurgical & Materials Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc.

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Selected Topics in Metallurgical and Materials Engineering	22-24 January, 2014.	TEQIP-II	K.N.Prabhu, S. Anandhan, S.B.Arya, Sreeram K. Kalpathy, Rizwan Rahman
International Winter School	Organic Electronic Materials & Devices (OEMD-2013)	Dec 19-21, 2013	NITK, BRNS, MSU-USA	M.N. Sathyanarayana Udaya Bhat K.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Date of visit
V. Ramachandrazn	Metallurgical Consultant, USA	T. Ramchandran Lecture Series	01-11-2013

Department Of Physics

STTPs/Schools/Conferences/Seminars/Workshops, etc:

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	INSPIRE Science Camp for Youth	December 16 - 21, 2013	DST, Govt. Of India	Ajith K.M., M.N. Satyanarayan
International Winter School	Organic Electronic Materials & Devices (OEMD-2013)	19-21 December 2013	NITK, TEQIP-II programme and Board of Research for Nuclear Sciences (BRNS)	M. N. Satyanarayan, Udaya K. Bhat

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Philip Duxbury	Michigan State Univ., USA	International Workshop	16-21 Dec, 2013
Ruby Ghosh	Michigan State Univ., USA	International Workshop	16-21 Dec, 2013
S. D. Mahanty	Michigan State Univ., USA	International Workshop	16-21 Dec, 2013
Z. Ghassemlooy	Univ of Northumbria, UK	International Workshop	16-21 Dec, 2013
B. Engler	Chemnitz University, Germany	International Workshop	16-21 Dec, 2013
Deep Prakash	Chemnitz University, Germany	International Workshop	16-21 Dec, 2013
S. Ramakrishna	Northwestern Univ. Illinois, USA	Special Lecture	19 Nov 2013

CONSULTANCY PROJECTS**Department of Applied Mechanics And Hydraulics**

Name of consultancy job	Client	Name of investigators (s)	Consultancy amount (Rs. In Lakhs)
Consultancy towards verification of surge analysis report	M/s Megha Engg. Infrastructures Ltd., Hyderabad	S.G.Mayya	3.86
Consultancy towards verification of surge analysis report of Lift 1 & Lift 2 of Pranahita-Chevella Lift Irrigation	M/s Megha Engg. Infrastructures Ltd., Hyderabad	S.G.Mayya	1.29
Rural Water Supply project for 11 villages of Mangalore Taluq with vented dam across Gurupur river at Malavoor village	D.K.Panchayath Raj Engg. Division, Mangalore	S.G.Mayya, A.Mahesha, Subba Rao, M.K.Nagaraj and Manu	7.50
Consultancy charges towards report on surge analysis for Lift- 3 of Chintalapudi Lift Irrigation Scheme at Pumping Station-3	M/s Megha Engg. Infrastructures Ltd., Hyderabad	S.G.Mayya & A.Mahesha	4.50
Consultancy charges towards report on surge analysis for Lift-2 of Chintalapudi Lift Irrigation scheme at PS-2	M/s Megha Engg. Infrastructures Ltd., Hyderabad	S.G.Mayya & A.Mahesha	8.42
Consultancy charge towards report on surge analysis for Lift -1 of Chintalapudi Lift Irrigation scheme at PS-I	M/s Megha Engg. Infrastructures Ltd., Hyderabad	S.G.Mayya & A.Mahesha	4.50

Department of Chemical Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs.)
Conducting of Environmental assessment on AAQ, Noise, DG Stack and Water	M/s. New Mangalore Port Trust, Mangalore	HOD with other faculty	From March 2013 to April 2014	6,79,142.00
AAQ, Noise, DG Stack, Drinking water, ETP water, Slag Powder, Lime, Oil, Sulphate of Potash, Urea, Sludge, Di-ammonium Phosphate, Palmolien Oil, Coconut oil, Alum, Ash	M/s. Air Port Authority of India, Mangalore, M/s. Gate Way Hotel, M/s. Manipal Technologies, M/s. United Toyota, M/s. Eswari Metal Industries, M/s. Primacy Industries, M/s. Petronet MHB Ltd., M/s. Color Teck, M/s. Karnataka Power Corporation, Shimoga, M/s. City Corporation, Mangalore, The Supdt. Of Customs, Mangalore, M/s. Karnataka Pollution	-do-	From March 2013 to April 2014	5,85,648.00

	Control Board, Mangalore.M/s. Aspinwall			
--	---	--	--	--

Department of Civil Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
G.S.B. , WMM, Dense Bitumen Macadam, Bituminous Concrete & Mix design	K.I.A.D.B., Mangalore (B.No. 10261 dt. 15.3.2013)	A.U. Ravi Shankar	Letter dated: 28.1.2013 & 8.2.2013 Report dated: 13.3.2013	68,390.00
Bitumen Mix Design	M/s. Rama Kamath & Co. (B. No. 10300 dt. 8.4.2013)	A.U. Ravi Shankar	Letter dated: 12.3.2013 Report dated: 26.3.2013	52,247.00
Soil test report	Mercator Limited (B.No. 10450 dt. 18.4.2013)	B. M. Sunil	Letter dated: 1.2.2013 Report dated: 21.3.2013	74,158.00
Proof checking towards the proposed RCC wall framed G+3 structures for affordable housing at Kokatta for Govt. of West Bengal	Mr. Vijayananda iMPRiNTS (B.No. 10461 dt. 25.4.2013)	Katta Venkataramana & K.S.Babu Narayan	Letter dated: 22.8.2013 Report dated: 23.4.2013	50,000.00
Marshall Density & stability test of BC	ANS Constructions Ltd. (B.No. 10488 dt. 9.5.2013)	A.U. Ravi Shankar Suresha S.N.	Letter dated: 19.4.2013 Report dated: 9.5.2013	61,798.00
Soil testing for pavement design(D.K. District)-1	Sri Vinayaka Consultants, Mysore (B.No. 10803 dt. 23.9.2013)	A.U. Ravi Shankar Sitaram Nayak	Letter dated: 14.8.2013 Report dated: 23.8.2013	50,000.00
Proof Checking towards the proposed construction of Delhi Administration class room G+IRCC wall & Toilet Block structure at Delhi	Mr. Vijayananda iMPRiNTS (B.No. 10855 dt. 22.10.2013)	Katta Venkataramana & K.S. Babu Narayan	Letter dated: 4.4.2013 Report dated: 28.5.2013	65,000.00
Technical report on construction of school building, staff quarters and boundary wall for Kendriya Vidyalaya Bagalkot (CL-Excel sheet)	Everest Constructions (B.No. 10882 dt. 12.11.2013)	K.S. Babu Narayan Subhash C. Yaragal B. M. Sunil	Letter dated: 14.9.2013 Report dated: 11.11.2013	67,416.00
Mix Design, Water test, & Material test report	Kalpataru Power Transmission Ltd.	Subhash C. Yaragal	Letter dated: 16.7.2013	1,41,686.00

	(B.No. 10895 dt. 20.11.2013 & (B.No. 10901 dt. 25.11.2013)	C. Rajasekaran	Report dated: 24.1.2014	
Soil testing for pavement design (Udupi-District-total 32kms)-I	Kiran Consultant, Mysore (B.No. 10914 dt. 28.11.2013)	A.U. Ravi Shankar Sitaram Nayak	Letter dated: 26.8.2013 Report dated: 5.9.2013	
Soil testing for pavement design (Udupi-District-total 30.5kms)-II	Kiran Consultant, Mysore (B.No. 10915 dt. 28.11.2013)	A.U. Ravi Shankar Sitaram Nayak	Letter dated: 26.8.2013 Report dated: 16.9.2013	69,683.00
GSB Mix Design, Soi and Aggregate test	Durgamba Constructions B. No. 10747 dt. 21.8.2013 & B. No. 11509 dt. 20.3.2014	B. M. Sunil Suresha S.N.	Letter dated: 1.8.2013 Report dated: 12.9.2013 & 1.10.2013	1,18,652.00
Design vetting of road cum pipe line corridor across NH 66 (Pipe rack crossing)	Head (Technical) MSEZL (B.No. 11163 dt. 24.1.2014)	K.S. Babu Narayan Sitaram Nayak	Letter dated: 31.10.2013 Report dated: 22.11.2013	1,60,000.00
Mix design	B.K Infratech Pvt. Ltd. (B.No. 10222 dt. 4.3.2013; (B.No. 10291 dt. 25.3.2013) & (B.No. 11395 dt. 14.3.2014)	Subhash C. Yaragal	Letter dated: 30.4.2013 Report dated: 20.6.2013	1,76,855.00
Rock Test Report(Project: Constructino of PTP Plant of JBF at MSEZ-site No1 Culvert crossing across spine road 9 location)	Mr. M. Manohar Rao (B.No. 11527 dt. 10.4.2014)	Sitaram Nayak B. M. Sunil	Letter dated: 18.12.2013 Report dated: 4.2.2014	53,933.00

Department of Electronics And Communication Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Technical Consultancy for Selection of Currency Note Sorting Machines	Syndicate Bank	U Sripati T Laxminidhi	01-07-2013 01-05-2014	Rs. 9.0 Lakhs
Technical Consultancy for Selection of Currency Note Sorting Machines	Corporation Bank	U Sripati T Laxminidhi	05-07-2013 31-10-2013	Rs. 3.5 Lakhs

Technical Consultancy for Selection of Currency Note Sorting Machines	Vijaya Bank	U Sripati T Laxminidhi	01-08-2013 31-10-2013	Rs. 4.0 Lakhs
Technical Consultancy for Selection of Currency Note Sorting Machines	Corporation Bank	U Sripati T Laxminidhi	15-10-2013 31-04-2014	Rs. 7.5 Lakhs

Department of Mining Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Consultancy Project On Controlled Blasting Methodology	Bangalore Metro Railway Corporation Ltd.	V.R.Sastry & K.RamChandar	2011-2015 (4 YEARS)	24 Lakhs,
Blasting studies using SME Explosives in Bellampalli area-SCCL	The Chief General Manager (R&D) Singareni Collieries Co.Ltd. Kothagudem	V.R Sastry and K. Ram Chandar	From 1st April, 2013 to 31st March,2014	4,83,513/-
Rock Dredging of Iron Harbour Chand and TC in VPT	M/s. Dharti Dredging & Infrastructure Ltd., Punjagutta, Hyderabad	V.R Sastry	From 1st April, 2013 to 31st March,2014	8,42,700/-
M/s. P.V Granites, Kerala	M/s. P.V Granites, Kerala	V.R Sastry and K. Ram Chandar	From 1st April, 2013 to 31st March,2014	84,270/-
Testing of road Sampler	M/s. Associated Road Samplers Plot No.159A, Industrial Area,Bycompady,Mangalore.	M.Aruna	From 1st April, 2013 to 31st March,2014	8,989/-
Ground vibration study			From 1st April, 2013 to 31st March,2014	84,270/-
Study of Trial Blasting	M/s. SajiSestian, Owner, building Stone Mine Kizhakkambalan Village KunnathunadTq Ernakulum Dist. Kerala	V.R.Sastry and K. Ram Chandar	From 1st April, 2013 to 31st March,2014	84,270/-
Scientific study of Blasting operations with reference to Ground Vibration	M/s. Chettinad Cement Corp. Ltd. Karikkali Tamilnadu	V.R.Sastry and K. Ram Chandar	From 1st April, 2013 to 31st March,2014	6,06,745/-
Scientific study of slope stability of	Zeeneth Transport Company ZennethOuse, Bellary-583102	MAruna and HarshaVardhan	From 1st April, 2013 to	1,00,000/-

Ramghad Iron Ore Mine.			31st March,2014	
	M/s. Mineral Enterprises Bangalore	M.Aruna	From 1st April, 2013 to 31st March,2014	79,000/-
Consultancy for salamander Blasting for BF-1 Unit, VSP	M/s. Rastriyalspat Nigam Ltd. Vishakapattanam Steel Plant Vishakapattanam	V.R.Sastry	From 1st April, 2013 to 31st March,2014	3,37,080/-
Ground vibration study in DBK Lime stone Ltd.	M/s. Ramco Cements Ltd. Mathod post HoasadurgaTq ChitradurgaDist, Karnataka	V.R.Sastry and K. Ram Chandar	From 1st April, 2013 to 31st March,2014	2,52,810/-
Ground vibration study in stone quarry, Renjala village, Karkala.	M/s. RMC Redymix (India) Ranjala Village, Karkala ,Udupi	V.R.Sastry and K. Ram Chandar	From 1st April. 2013 to 31st March,2014	84,270/-
Study of SME Trial Blast	N.M.D.C Ltd. Kumaraswamy Iron Ore Mine PO Donimalai , Township Sandur, Bellary Dist., Karnataka	V.R.Sastry and K. Ram Chandar	From 1st April, 2013 to 31st March,2014	3,37,080/-
Ground Vibration Study at VicatSagar Limestone Mine.	M/s. VikagtSagar Cement Pvt.Ltd. ,Banjara hills Hyderabad	V.R.Sastry and K. Ram Chandar	From 1st April, 2013 to 31st March,2014	2,24,720/-
Demarkation of 1 K.M Core zone and 2 Km.	The Department of Mines &Geology, Govt. of Karnataka	M.Aruna and HarshaVardhan	From 1st April, 2013 to 31st March,2014	1,51,686/-
Study of Ground Vibrations	M/s.Hanna Rock Products South Marady P.O Meenkunnam Muvattupuzha-686673	V.R.Sastry	From 1st April, 2013 to 31st March,2014	84,270/-
Study of Ground Vibrations at stone quarry	Stone Quarry , C/o Sri Rajesh .S Aruvikkara, Village NedumangadTq, Trivendrum Dist. Kerala	V.R.Sastry	From 1st April, 2013 to 31st March,2014	84,270/-
Controlled Vibration study	KMC- VDB Door No-842/A, 3rd Floor Binnamangala, 100feet road Indiranagar Bangalore	V.R.Sastry	From 1st April, 2013 to 31st March,2014	1,68,540/-
Certification of survey works in Joga/ Bavihills village, SandurTaluk.	The Department of Mines & Geology, Govt. of Karnataka	M.Aruna and HarshaVardhan	From 1st April, 2013 to 31st March,2014	16,854/-

Department Mechanical Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Vibration analysis of Sinter Plant	SESA Goa	K V Gangadharan	2013-2014	1.00 Lakhs
Optimization of cleaning Air usage in fabric filters	Thermax ltd	K V Gangadharan Ravikiran Kadholi Vijay Desai	2011-2013	3.00 Lakhs
Damping characterization of different material	Different clients	K V Gangadharan	2013-2014	0.10 Lakhs
Technical Supervision, Scrutinisation and certifying the work of Installation of cold storage unit at Mangalore	Karnataka Fisheries Development corporation Limited, Hoige Bazar, Mangalore		2012-2013	2.66 Lakhs

15 HUMAN RESOURCE DEVELOPMENT

15.1 TRAINING STATUS

Department of Civil Engineering

Total number of faculty & staff trained during the period of report	03
---	----

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Suresha S. N.	Induction Training Program for Newly Recruited Faculty	TEQIP-II, NITK Surathkal.	July 1 - 4, 2013
Suresha S. N.	International Course on Dissemination of HDM-4	CSIR-Central Road Research Institute, New Delhi.	Two Weeks, 16 th - 27 th September, 2013.
Devatha C P	Faculty Development Programme for Newly Recruited Faculty at NITK, Surathkal	DST, Govt. of India	10 days (Dec 16-26, 2013)
Devatha C P	Applied Groundwater Flow and Contaminant Transport Modeling	Schlumberger Water Services, Canada	3 days (Jan 27-29, 2014)
Arun Kumar Thalla	Induction Training Program for Newly Recruited Faculty	TEQIP-II, NITK Surathkal.	July 1 - 4, 2013

Department of Chemical Engineering

Total No. of faculty & Staff trained during the period of report	06
--	----

Name of faculty & Staff	Title of Training programme	Organisation	Dates & Duration of Training
PRASANNA B.D	Khorana Program Technology Transfer Course 2013"	University of Wisconsin-Madison, (UW) USA. in partnership with Indo-US Science & Technology Forum (IUSSTF).	July 22 nd - August 3 rd 2013
PRASANNA B.D	MHRD sponsored training program "How to promote innovation and IP in HEIs"	Professorial Chair on IPR, IIT Roorkee.	February 03-07, 2014, One week
Keyur Raval	Faculty Induction program,	TEQUIP-II team of NITK Surathkal	Five days in may 2013
S. Noyel Victoria	Faculty Induction program,	TEQUIP-II team of NITK Surathkal	Five days in may 2013
Ruben Sudhakar D.	Faculty Induction program	NITK-STEP sponsored by DST	Two weeks during December 2013
B. Ashraf Ali	Faculty Induction program	NITK-STEP sponsored by DST	Two weeks during December 2013

T.K. Jaganathan	Faculty Induction program	NITK-STEP sponsored by DST	Two weeks during December 2013
Raj Mohan B	UNESCO-IHE Training Program on Nanotechnology for Water and Wastewater Treatment	Netherlands Fellowship Program (NUFFIC)	Two Weeks March to April 2014

Department of Computer Engineering

Total number of faculty trained during the period of report	08
---	----

Name of the faculty/ staff	Title of the training program	Organization	Dates & Duration of training
K.Chandrasekaran	Industry Institute Interaction-Role of Alumni	-----	01 day, 31 st August 2013
K. Vinay Kumar	Accreditation awareness workshop	Dr. D.K Paliwal, Member Secretary, NBA	02 day, 23 rd -24 th August 2013
	NBA accreditation workshop	NITK- Surathkal	02 day, 14 th -15 th March 2014
Vani M.	Training program for "Turnitin"	NITK- Surathkal	22 nd August 2013
	NBA accreditation workshop	NITK- Surathkal	02 day, 14 th -15 th March 2014
Annappa	Training program for "Turnitin"	NITK- Surathkal	22 nd August 2013
	Accreditation awareness workshop	Dr. D.K Paliwal, Member Secretary, NBA	02 day, 23 rd -24 th August 2013
	Industry Institute Interaction-Role of Alumni	-----	01 day, 31 st August 2013
	Building Institutions of Higher Education for Tomorrow	International Management Institute (IMI), New Delhi	02 day, 26 th – 27 th December 2013
	Workshop on "Online certification courses on programming, Data structures & algorithms"	IIT Madras	01 day, 25 th February 2014
	NBA world summit WOSA'13	Delhi	03 days, 08 th – 10 th March 2014
	NBA accreditation workshop	NITK- Surathkal	02 day, 14 th -15 th March 2014
Saumya Hegde	Training program for "Turnitin"	NITK- Surathkal	22 nd August 2013
Shashidhar G. Koolagudi	Industry Institute Interaction-Role of Alumini	-----	01 day, 31 st August 2013

Name of the faculty/ staff	Title of the training program	Organization	Dates & Duration of training
	Workplace Sensitization	I.I.T. Mumbai, Tata Institute of Social Sciences - Mumbai, Jindal Global Law School - Delhi	01 day, 22 nd November 2013
Mohit P. Tahiliani	NBA accreditation workshop	NITK- Surathkal	02 day, 14 th -15 th March 2014
Ravindranath Chowdary C.	Workplace Sensitization	I.I.T. Mumbai, Tata Institute of Social Sciences - Mumbai, Jindal Global Law School - Delhi	01 day, 22 nd November 2013
	Accreditation awareness workshop	Dr. D.K Paliwal, Member Secretary, NBA	02 day, 23 rd -24 th August 2013
Basavaraj Talawar	Workplace Sensitization	I.I.T. Mumbai, Tata Institute of Social Sciences - Mumbai, Jindal Global Law School - Delhi	22 nd November 2013
	NBA accreditation workshop	NITK- Surathkal	02 day, 14 th -15 th March 2014
Shashidhar G. Koolagudi	Industry Institute Interaction-Role of Alumni	-----	01 day, 31 st August 2013
	Workplace Sensitization	I.I.T. Mumbai, Tata Institute of Social Sciences - Mumbai, Jindal Global Law School - Delhi	01 day, 22 nd November 2013

Department of Electrical & Electronics Engineering

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
G S Punekar	Preconference Tutorial of IEEE-CATCON 2014 conference held at Jadavpur unvieristy Kolkata.	Jadavpur unvieristy Kolkata	One day, December 6, 2013
G S Punekar, Karthikeyan, K P Vittal and A Chaturvedi	NBA accreditation process awareness workshop At NITK	NITK	One day August 31 st 2013
G S Punekar	Accreditation workshop WOSA at New Delhi	NBA	3 days March 8-10, 2014

G S Puneekar, Dr. Karthikeyan, K P Vittal and A Chaturvedi	NBA accreditation process awareness workshop At NITK	NITK	One day March 15, 2014
---	---	------	---------------------------

Department of Electronics & Communication Engineering

Total number of faculty & staff trained during the period of report	03
---	----

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
P Srihari	VLSI Signal Processing	IIT Kharagpur	December 03-07, 2013
Shyam Lal	Image Processing Techniques with Multidisciplinary Applications	IIT Roorkee	March 03-07, 2014
Sanjeeva Poojary	Capacity Building Training Program	Shruth & Smith, Bangalore	January 28-31, 2014

Department of Humanities Social Sciences & Management

Total number of faculty & staff trained during the period of report	5
---	---

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Sunil C. D'Souza	Entrepreneurship Development program	NITK- STEP, Surathkal in association with EDII, Ahmedabad Sponsored by Department of Science & Technology, Govt. of India, and New Delhi	16 Dec. – 26 Dec, 2013. 11 days Program
Sunil C. D'Souza	FDP on Doctoral Research in Marketing and Behavioral Sciences	IIM, Kozhikode	1 July - 5 July 2013 5 Days Program
S. Pavan Kumar	Entrepreneurship Development program	NITK - STEP, Surathkal in association with EDII, Ahmedabad Sponsored by Department of Science & Technology, Govt. of India, and New Delhi	16 Dec. – 26 Dec, 2013. 11 days Program
Sheena	FDP on Technology enabled teaching and learning	IIM, Kozhikode	November 4 – 8 2013
Sreejith A	Induction Training Programme	TEQIP Phase II, NITK Surathkal	1-4 July 2013
Sreejith A	Research Trends in Information Technology (RTinIT 2013)	TEQIP Phase II ,Department of Information	11-12 July 2013

		Technology, NITK Surathkal	
Sreejith A	Workshop on "Big Data Analytics"	TEQIP-II, NITK Surathkal	October 23-24, 2013
Savita Bhat	Workshop on Research Trends in Information Technology (RTinIT 2013)	Department of IT, NITK [TEQIP Phase II Sponsored]	11-12 July 2013 [2-Days]
Savita Bhat	Orientation on Outcome Based Education and Accreditation [National Board of Accreditation]	NITK [TEQIP Phase II Sponsored]	23-24 August 2013 [2-Days]
Savita Bhat	Faculty Development Program	NITK-STEP, Sponsored by DST, GOI	16-26 December 2013 [10-Days]
Savita Bhat	Interactive Workshop on Metaphor Analysis and Ethnography Research	IIM Lucknow (Noida campus) [State Bank of India and IMRB International Sponsored]	8-9 January 2014 [2-Days]

Department of Information Technology

Total number of faculty & staff trained during the period of report	5
---	---

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Ananthanarayana V S	NBA-Accreditation Awareness	NITK, Surathkal	23-24 August 2013
	TEQIP Conclave on Enhancing Quality of Technical Education and Research	IIT, Hyderabad	30-31 August 2013
	Outcome Based Education and Accreditation for NBA Chairpersons and Evaluators	NMIMS Bangalore Campus	7-8 September 2013
G. Ram Mohana Reddy	TEQIP Conclave on Enhancing Quality of Technical Education and Research	IIT, Hyderabad	30-31 August 2013
Sowmya Kamath S	Workshop on "Big Data Analytics"	Dept of E&C, NITK Surathkal	23-24 October, 2013
	Workshop on "Advanced Mathematics (Linear Algebra)"	Dept of E&C, NITK Surathkal	18-21 January, 2014
Jaidhar C D	TEQIP Conclave on Enhancing Quality of Technical Education and Research	IIT, Hyderabad	30-31 August 2013
Nagamma Patil	Proven Strategies for Effective Teaching	Galgotias University	29-31 August 2013

Department of Mathematical & Computational Sciences

Total number of faculty & staff trained during the period of report	6
---	---

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Vishwanath K.P.	Induction Training Programme for newly recruited faculty	NITK	July 1 to 4, 2013
G. Chandhini	Induction Training Programme for newly recruited faculty	NITK	July 1 to 4, 2013
Satyanarayana Engu	Faculty Development Program	NITK	Dec 16 to 26, 2013
I. Jeyaraman	Faculty Development Program	NITK	Dec 16 to 26, 2013
Srinivas Rao Kola	Faculty Development Program	NITK	Dec 16 to 26, 2013
Senthil Thilak	Faculty Development Program	NITK	Dec 16 to 26, 2013

Department of Mining Engineering

Total number of faculty & staff trained during the period of report	03
---	----

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
B.M. Kunar	Outstanding issues on Hydrological Research in India	NITK	21/ 10/ 2013
B.M. Kunar	Work place sensitization	NITK	22/11/2013
B.M. Kunar	02 nd World Summit on Accreditation	National Board of Accreditation, New-Delhi	08-10 March 2014
R.P. Choudhary	Work place sensitization	NITK	22/11/2013
A.K. Tripathi	Work place sensitization	NITK	22/11/2013
R.P. Choudhary	Research Methodology and experimental design	MNIT, Jaipur	21 st to 25 th October, 2013
R.P. Choudhary	Work shop on NBA Accreditation	NITK	14 th - 15 th March
B.M Kunar	Work shop on NBA Accreditation	NITK	14 th - 15 th March

Department of Mechanical Engineering

Total no of faculty and staff trained during the period of report	12
---	----

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Hemantha kumar	Three day workshop on "Engineering Optimization" by Prof S.S. Rao.	IIT Madras	3 days, 22 nd Dec to 24 th Dec 2013
Hemantha kumar	Research Interactions, Machine Design Section	IIT Madras	12 days, 11 th June 23 rd June 2013
Hemantha kumar	Induction Program for new Faculty	NITK Surathkl	4 days during July 2013

S.M Kulkarni	Research Interaction	Indian Institute of Science, Bangalore	May-July,2013
Navin Karanth P Mervin A Herbert Shrekantha S. Rao	STTP	IIID & M, Kancheepuram	24-28 June 2013
Ramesh M.R.	Surface Coating Technology	CMTI, Bangalore	
Mrityunjay R.Doddamani	Integrated Computational Materials Engineering	Indian Institute of Science, Bangalore	
Srikanth Bontha	Additive Manufacturing Technologies and Applications	Additive Manufacturing Society of India (AMSI) and Society of Indian Aerospace Technologies and Industries	
Mrityunjay R.Doddamani	Recent trends in design & precision engineering	CMTI, Bangalore	
Mrityunjay R.Doddamani	Dynamic Analysis of Machines and Structures	National Institute of Technology Karnataka, Surathkal	Dec. 2013
H Suresh Hebbar	Tribology	Indian Oil Institute of Petroleum Management (IIPM), Gurgaon	
P. Jeyaraj	Natural Fiber Composite	Indian Institute of Technology Madras, Chennai	Dec. 2013
Anish S	Faculty Development Program	STEP/NITK	Dec. 2013
M R Doddamani	Faculty Development Program	STEP/NITK	Dec. 2013
Arun M	Faculty Development Program	STEP/NITK	Dec. 2013

Department of Metallurgical & Materials Engineering

Total number of faculty & staff trained during the period of report			4
Name of Faculty	Title of training program	Organization	Dates & Duration of training
Sreeram K. Kalpathy Rizwanur Rahman Subray R. Hegde Preetham Kumar G. V.	Faculty Development Programme	NITK, Surathkal	December 15 – 26, 2013
Sreeram K. Kalpathy Rizwanur Rahman Subray R. Hegde Preetham Kumar G. V.	Induction Training Programme for Newly Recruited Faculty	Sponsored by TEQIP-II	July 1 - 4, 2013
Sreeram K. Kalpathy	One-day workshop on Workplace Sensitization	Organized by Dept. of	22 Nov. 2013

		Humanities & Soc. Sci., NITK Surathkal	
Sreeram K. Kalpathy	Faculty Development Programme	Sponsored by Department of Science and Technology, Govt. of India and organized by STEP, NITK Surathkal.	16 - 26 Dec 2013

PLACEMENT OF STAFF FOR ACADEMIC EXCELLENCE

Department Of Civil Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Katta Venkataramana	Eminent Engineer Award by Association of Consulting Civil Engineer (India)-Mangalore Centre.
R.Shivashankar	Subject Expert, NBA Accreditation Teams to different Colleges
M.C.Narasimhan	Member, Board of Studies in Civil Engineering (PG) at NMAMT, Nitte, Malnad College of Engineering, Hassan and BMS College of Engineering, Bangalore., autonomous Colleges under VTU, Belgaum PhD Thesis Reviewer, Kuvempu University, Mangalore University, and MNIT, Jaipur
A.U.Ravishankar	Member, Road Safety and Design Committee (H-7) of the Indian Road Congress, New Delhi Ph.D Theses Reviewer of Bangalore University Member, Board of Studies in Civil Engg., SDM Institute of Engineering and Technology, Dharwad, an autonomous College under VTU, Belgaum.
D.V.Reddy	Editor-in-Chief, International Journal of Earth Sciences and Engineering, CAFET-INNOVA Technical Society, Hyderabad.
S.Shrihari,	President Institution of Engineers (I), Mangalore Local Centre. National Design Award in Environmental Engineering - 2013, National Design Research Forum, The Institution of Engineers (India). Fulbright Representative, United States - India Educational Foundation. PhD Theses reviewer of Pune University, Andhra University Vishakapatnam, Kerala University Thiruvananthapuram. Expert Committee member, Kerala State Council for Science, Technology and Environment. Referee, Journal of WST – Water, Science and Technology, IJBSR – International Journal of Biomedical Science Research, Academic Research Journal, USA, http://academeresearchjournals.org/journal/ijbsr ., IJEE –

	International Journal of Earth Science & Engineering, PJBS – Pacesetter Journal of Biological Sciences, www.pacesetteronlinepublishers.org/pjbs , International Journal of Earth Sciences and Engineering
K.S.Babu Narayan	PhD Theses reviewer of Vishveshvariah Technological University, Belagavi, Kuvempu University, Shivamogga
K.S.Babu Narayan A.U.Ravishankar M.C.Narasimhan Katta Venkataramana Subhash C.Yaragal A.U.Ravishankar K.Swaminathan	Referees for reviewing the research papers submitted to International Journal of Earth Sciences and Engineering
Sunil B.M.	Reviewer for i) Journal of Engineering Geology (Elsevier) ii) Journal of Geotechnical and Geological Engineering (Springer)
Basavaraju Manu	Ph.D. Thesis reviewer for Anna University and University of Kerala.
Suresha S. N.	Reviewer for ASTM-Journal of Testing and Evaluation. Recipient of Young Scientist: Start-up Research Grant from the SERB, DST, Government of India.
Arun Kumar Thalla	Invited Talk on "Modeling of AS-Biofilm Reactors-Advanced waste water Treatment" at 3 day <i>TEQIP sponsored Faculty Development Programme</i> on "Biological Treatment of Wastewater Innovations perceptions and Challenges" Organized by <u>GCT Coimbatore</u> in association with <u>CLRI Chennai</u> , India (Feb 25th - 27th, 2014) Reviewer of Journal of Water Process Engineering (Elsevier), Journal of Water, Sanitation and Hygiene for Development (IWA), Applied Mathematical Modelling (Elsevier), Desalination and Water Treatment (Desalination Publications). Received DST Young Scientists International Travel Support Grant for attending 6 th IWA <i>International Specialized Conference on Sustainable Viticulture (WINERY, 2013)</i> held in FRANCE.

Department Of Chemical Engineering

Name of Staff/ Faculty	Assignment/Recognition/Award
Prasanna B.D.	Khorana Fellowship for "Khorana Program Technology Transfer Course 2013". The program was funded by Department of Biotechnology (DBT), Govt. of India, and conducted by the University of Wisconsin-Madison (UW) in partnership with Indo-US Science & Technology Forum (IUSSTF). The program was held during July 22nd– August 3 rd 2013 at University of Wisconsin-Madison, USA

Department of Computer Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
K.Chandrasekaran	<p>Best Paper award for the paper "Load Balancing of virtual Machine Resources in Cloud Using Genetic Algorithm", 7th Int. Conf. on Communication Networks, August 9-11, 2013, Bengaluru.</p> <p>Nominated as a member in the Editorial board of IEEE transactions on Cloud Computing.</p> <p>Selected as one of the members of the "IEEE Cloud Computing STC's conference Executive TCS Committee", USA.</p> <p>Paper presentation at IEEE/ACM International Conference on 'Cloudcom 2013' Bristol, UK, England.</p> <p>Tutorial presentation at IEEE/ACM, International Conference Utility and Cloud Computing 2013, Dresden, Germany.</p>
P. Santhi Thilagam	<p><u>Program Committee member</u></p> <p>The third International Conference on Computational Science, Engineering and Information Technology (CCSEIT-2013), KTO Karatay University, June07-07, 2013, Konya, Turkey.</p> <p>The fifth International Conference on Wireless & Mobile Network (WiMo 2013) - June 07-09-2013.</p> <p>National Conference on Modern Trends in Advanced Computing (MTAC 2013), Goa, May 17-18, 2013.</p>
Annappa	<p><u>Program Committee Member:</u></p> <p>Annual International Conference on Emerging Research Areas : International Conference on Microelectronics, Communications and Renewable Energy - AICERA 2013-ICMiCR, 04 Jun - 06 Jun 2013, Kerala</p> <p>7th India Software Engineering Conference - ISEC 2014</p> <p><u>Reviewer:</u></p> <p>The Sixth International Workshop on Network Security & Applications (CNSA-2013), July 13 - 15, 2013, Chennai, India.</p> <p>2013 IEEE Symposium on Business, Engineering and Industrial Applications- ISBEIA 2013, September 22-25, 2013, Kuching, Malaysia</p> <p>2013 IEEE Symposium on Industrial Electronics & Applications-ISIEA-2013, September 22 - 25, 2013, Kuching, Malaysia</p>
Shashidhar G. Koolagudi	<p>Best Paper award for the paper "Age Approximation from Speech using Gaussian Mixture Models", 2nd International Conference ADCONS'13, December 15-17, 2013, NITK-Surathkal.</p>

Department of Chemistry

Name of faculty	Assignment/Recognition/Award
A. Vasudeva Adhikari A. V. Adhikari	Principal Coordinator, DK District Biofuel Information and Demonstration Centre, NITK, Surathkal. This three year project is sponsored by "Karnataka State Biofuel Development Board, GoK, Bangalore. Gold metal and Korea Special Award for outstanding invention: "Invention of Photo-alignment based plastic (flexible) displays for future generation using thiophene derivatives" International Conference and Exposition on Invention of Institutions of Higher Learning (PECIPTA 2013), KLCC, Kuala Lumpur, Malaysia, November 7-9, 2013. Authors: Gurumurthy Hege, Yuvaraj A.R, M. M. Yuso, M. M. Yusop, L. Komitov, Airody Vasudeva Adhikari.
B.RamachandraBhat	Best Poster Paper: Synthesis and Characterization of CdOPolypyrrolenano composite thin films, KSTA Conference-2013, Christ University, Bangalore, 20-21 December, 2013.

Department of Electrical & Electronics Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
G S Punekar	Technical committee member and reviewer of CATCON 2014
G S Punekar	Member of technical advisory committee of institutes GIT Belgaum, MSRIT Bangalore, and Ramakrishna Institute of Technology Coimbatore.

Department of Electronics And Communication Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Sumam David S	IEEE Region 10 Outstanding Branch Counselor and Advisor Award, 2013 German Academic Exchange Services (DAAD)- Artificial Intelligence and Visual/Multimodal Computing, 2014. University of Applied Sciences Western Switzerland technology, architecture and landscape, Geneva -Academic interaction, 2014
Muralidhar Kulkarni	Member of Engineering and Technical Accreditation Evaluation Committee of the National Board of Accreditation, NBA, New Delhi. Member, Board of Governors, Malnad College of Engineering, Hassan. Senior Member IEEE (USA), MIET (UK), Joint Secretary (Research and Academics) of the Institution of Engineering and Technology (IET), UK, for the Bangalore Local Network. Reviewer of IEEE Transactions on Communications, Wiley Interscience and other reputed journals in India and abroad. Visited USC Viterbi School of Engineering, University of Southern California at Los Angeles, California for research interaction, to explore research opportunities in the area of Wireless Sensor Networks, cloud Computing and Body Area Networks and possible research collaboration with USC under TEQIP grant during June 15-30, 2013
M. S. Bhat	Senior Member IEEE, Member IET, Life member ISTE Reviewer for the following Journals

	<ol style="list-style-type: none"> 1. Journal of Analog Integrated Circuits and Signal Processing, Springer Publications 2. Journal of Image and Video Processing, Springer Publications 3. IET Image Processing, IET 4. Journal of Microelectronics, Elsevier 5. Reviewer for NPTEL Video courses in Adv. VLSI Design <p>Resource person for AICTE sponsored Faculty Development Program on “Advanced in Signal Processing and Implementation using VLSI”, PA College of Engg, Mangalore on January 24, 2014</p>
Ramesh Kini M	<p>Resource person for AICTE sponsored Faculty Development Program on “Advanced in Signal Processing and Implementation using VLSI”, PA College of Engg, Mangalore on January 23, 2014</p> <p>Resource person for Entrepreneurship Awareness Camp at NMAMIT, Nitte on February 26, 2014.</p> <p>Technical Talk on “FPGA Architectures – Xilinx” at Sahyadri College of Engg & Management on March 17, 2014.</p> <p>Technical Talk on “FPGAs and ARM microcontrollers” at Srinivas Institute of Technology, Mangalore on March 29, 2014</p>
N S V Shet	<p>Attended IEEE’s I2CT-2014 Conference, Pune, April 06-08, 2014.</p> <p>Expert Lecture - Project Phase II (ECD402), in the field of E&C, NIT Uttarkhand, April 17, 2014</p> <p>BOE meet attended in NMAMIT, October 10, 2013 and March 13, 2014</p> <p>PhD Comprehensive Exam Viva Voce, VTU Belgaum, September 27, 2013</p> <p>Chief guest for Wireless Network & Testing workshop on August 28, 2013, BVB, Hubli (delivered Inaugural lecture)</p> <p>Judging / Chairing of technical session of International Conference on Emerging Trends in Engg, May 15-16, 2013, NMAMIT, Nitte</p> <p>Judging EXPO 2013, Nitte Student Project Competition, April 5, 2013.</p>
T Laxminidhi	<p>Toulouse, France -11th International Workshop on IEEE on Electronics, control, measurement signals and their applications to Mechatronix (ECM-2013) – Paper Presentation, 24-26, June 2013</p>
A V Narasimhan	<p>Honorarium for reviewing Mc-Graw Hill Publications</p>
Pathipati Srihari	<p>IET(UK) Chennai Local Network - Man Engineer Award</p> <p>Senior Member, ACM, USA</p> <p>Fellow, IETE</p>

Department of Humanities, Social Sciences & Management

Name of Staff/Faculty	Assignment/Recognition/Award
Suprabha K. R	Best Paper Award for the paper "Empowerment of Self Help Groups (SHGs) towards Microenterprise Development" at SIMSARC
Sreejith A	2014 National Internet Exchange of India (NIXI) Fellow, Govt. of India.
Sreejith A	2013 Emerald's Highly Commended Outstanding Doctoral Research Award in the Management and Governance category

Department of Information Technology

Name of Staff/Faculty	Assignment/Recognition/Award
G. Ram Mohana Reddy	Best Paper Award (Projection and Interaction with Ad-hoc Interfaces on Non-Planar Surfaces- 2 nd International Conference on Advance Computing, Networking and Security at NITK 15-17, Dec 2013)

Department Of Mechanical Engineering

Name of the staff/faculty	Assignment/Recognition/Award
K.V.Gangadharan	BOS member for Reva Institute of Technology and Management, Bangalore
Ravikiran Kadoli	BOS member for Reva Institute of Technology and Management, Bangalore
G.C.Mohan Kumar	Delivered expert lecture in 25 th Anniversary Institute of Materials, Kula Lumpur, Malaysia
Ravikiran Kadoli	Delivered expert lecture at Alva's Institute of Engineering and Technology, Moodabidri on 02/04/2013
Narendranath S.	BOS member for Siddaganga Institute of Technology, Tumkur; UVCE, Bangalore University, Bangalore and Dr. Ambedkar Institute of Technology, Bangalore

Department of Metallurgical And Materials Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
K. Narayan Prabu	Editorial Board Member: International Heat Treatment and Surface Engineering, Maney Publishers, UK Editorial Board Member: International Journal of Cast Metals Research, Maney Publishers, UK Member – International Organizing Committee, ASM 5 th International Conference on Thermal Process Modeling and Computer Simulation, June 16-18, Florida, USA

16 STUDENT PLACEMENTS

16.1 PLACEMENT

A Placement and Training Centre under the guidance of a full time Professor functions primarily to help the students in finding suitable placements for Industrial Training and Employment. It also provides information through catalogues about foreign Universities. Various Industries conduct campus interviews to recruit students for employment.

Highlights

The year 2013-14 is a very successful year for the Dept. of Training & Placement. We had reasonably good Placements and Training slots.

Main Objectives

1. Placement for all students of the final year B.Tech., M.Tech, MCA, MBA and M.Sc.
2. Training for all students to be covered during the 5th, 6th and 7th Semester vacations. The compulsory training for B.Tech. Mining Engg. students is organized during the 5th and 6th Semester vacations.
3. Provide Career Counseling and facilitate development of Soft Skills and Personal Effectiveness to better equip students for their career.
4. Interface with Railways, Airlines and Bus services to provide travel concessions to students.

Performance Overview

1. 195 Companies visited NITK Surathkal for Campus Recruitments.
2. 57 Companies participated in the Placement process for the first time.
3. 780 students were placed – 572 B.Techs, 129 M.Techs, 73 MCAs, and 06 MBAs.

PLACEMENT DETAILS 2013-14 :

SL. NO.	NAME OF THE COMPANY	STUDENTS PLACED	PAY PACKAGE (Rs. in lakhs p.a.)	
			UG	PG
1	MICROSOFT, HYD	7	16	16
2	TEXAS INSTRUMENTS, B'LORE	5	10.5	11.6
3	BAJAJ AUTO, PUNE	5	7	-
4	G S STRATEGIES, B'LORE	2	28	-
5	PEPSICO, MUMBAI	3	6.25	-
6	GOOGLE INDIA, B'LORE	1	20.37	21.35
7	D E SHAW, HYD	1	18	18
8	YAHOO !, B'LORE	3	15.77	17.47
9	G S TECHNOLOGY, B;LORE	7	12	-
10	INTUIT, B'LORE	7	10.8	-
11	BROADCOM, B'LORE	1	10.15	11.2
12	CREDIT SUISSE, MUMBAI	5	9.75	9.75

13	QUALCOMM, B'LORE	7	11.25	11.9
14	WALMART, B'LORE	2	18.57	19.15
15	DELL R&D, B'LORE	4	6.7	10.2
16	ARM EMBEDDED, B'LORE	3	10.5	-
17	ADOBE SYSTEMS, B'LORE	3	15.75	15.75
18	NVIDIA, B'LORE	3	9.32	11.4
19	VMWARE, B'LORE	6	17.75	17.75
20	ARISTA NETWORKS, B'LORE	1	14	14
21	CADENCE DESIGN, B'LORE	4	10.34	11.46
22	SAMSUNG R&D, B'LORE	17	12	13
23	DELOITTE, HYD	11	6.5	6.5
24	CISCO, B'LORE	10	11.22	12.48
25	NETAPP, B'LORE	3	8.25	9.55
26	ORACLE, HYD	39	12	12
27	SAMSUNG-NOIDA	5	7.18	8.18
28	AKAMAI, B'LORE	1	7.48	-
29	MARUTI SUZUKI, DELHI	1	5.4	-
30	G E INDIA, B'LORE	3	6.3	7.35
31	MCAFFEE SOFTWARE, B'LORE	4	8.6	8.6
32	ADAP.TV TECH, B'LORE	1	7.5	7.5
33	SIEMENS TECH, B'LORE	0	4.5	4.75
34	MAHINDRA & MAHINDRA, MUMBAI	4	5.3	7.05
35	FUTURES FIRST, MUMBAI	4	8.7	-
36	PLX TECH, B'LORE	5	-	9
37	SANDVINE TECH, B'LORE	2	9	9
38	DAIMLER INDIA, CHENNAI	10	4.5	-
39	SABRE-HOLDINGS, B'LORE	3	7.5	7.5
40	FIDELITY INVESTMENTS, B'LORE	5	10.3	-
41	THOROGOOD, B'LORE	6	8.5	8.5
42	FINISAR-MALAYSIA	2	9	9
43	GODREJ INDUSTRIES, MUMBAI	0	4.5	-
44	EXL SERVICE, B'LORE	11	5	-
45	CAPITAL ONE, B'LORE	4	9	-
46	INFIBEAM.COM, B'LORE	4	7	7
47	C-DOT, B'LORE	2	8.4	8.6
48	COMMVault, B'LORE	0	7	7
49	MU-SIGMA, B'LORE	13	4.5	-

50	TVS MOTOR, HOSUR	1	4.75	-
51	WIPRO LTD, B'LORE	9	7	-
52	CAVIUM NETWORKS, B'LORE	0	5.5	5.5
53	NATIONAL INSTRUMENTS, B'LORE	3	8.18	8.97
54	CAPITAL IQ, HYD	2	7.43	7.43
55	L&T CONSTRUCTION, CHENNAI	31	3.77	4.12
56	AKS SOFTWARE, NOIDA	5	6.5	-
57	TATA STEEL, M.P	1	8	-
58	HONDA R&D, GURGAON		6.1	-
59	Z S ASSOCIATES, PUNE	11	6.34	-
60	HSBC, B'LORE	9	6.5	-
61	TCE, B'LORE	7	3.5	4
62	VERIZON SOFTWARE, CHENNAI	5	5.5	5.57
63	ERICSSON, B'LORE	2	6	7
64	INFORMATICA, B'LORE	2	9.5	9.5
65	MERCEDES-BENZ, B'LORE	2	-	6.5
66	TCS, B'LORE	37	3.16	3.31
67	H U L, MUMBAI	4	9.6	-
68	HONDA 2 WHEELERS, N.DELHI	2	5.6	-
69	GEP SOLUTIONS, MUMBAI	1	7	7
70	IBM-GBS, B'LORE	32	3.4	3.75
71	CITICORP SERVICES, MUMBAI	6	11.5	11.5
72	UNISYS, B'LORE	2	4.8	-
73	AMADEUS S.W., B'LORE	2	7.68	7.68
74	SAPIENT, GURGAON	13	4.5	4.5
75	I-GATE, B'LORE	15	3.12	
76	TRIMBLE INFO, CHENNAI	1	-	6.25
77	SAP LABS, B'LORE	10	7	7
78	H P R&D, B'LORE	1	10	-
79	NOMURA SERVICES, MUMBAI	3	10	-
80	AMAZON, B'LORE	2	14.5	14.5
81	ONE CONVERGENCE, HYD	6	6	6
82	ABB LTD, B'LORE	0	4.5	-
83	ARICENT GROUP, B'LORE	20	3.5	3.5
84	SUCCESS FACTORS, B'LORE	1	8	8
85	ACG WORLDWIDE, MUMBAI	1	5	-
86	HERO MOTOCORP, N. DELHI	5	6	-

87	TATA MOTORS, MUMBAI	6	6.16	-
88	TEACH FOR INDIA, B'LORE	1	3	3
89	ERNST & YOUNG -GTH, B'LORE	3	3.68	3.68
90	EMC SOFTWARE, B'LORE	4	9.5	10.25
91	ONMOBILE, B'LORE	3	5	-
92	TESCO, B'LORE	7	4.5	-
93	SILAB TECH, B'LORE	1	4.5	-
94	RARE MILE TECH, B'LORE	0	6	6
95	LINKED IN, B'LORE	3	29.14	-
96	OSS CUBE, B'LORE	4	-	3.5
97	ARYAKA NETWORKS, B'LORE	3	-	6.5
98	BPCL, MUMBAI	6	10.5	-
99	YMEDIA LABS, B'LORE	4	6	6
100	POLARIS S.W, CHENNAI	3	4.5	-
101	ROBERT BOSCH, B'LORE	7	4.75	4.75
102	PHOENIX MATITIME, MUMBAI	*	5	-
103	ACCOLITE S.W, B'LORE	2	6.5	7
104	IBS SOFTWARE, TVM	8	3	3
105	ANZ, B'LORE	1	6	-
106	MURUGAPPA GROUP, CHENNAI	1	4.25	-
107	RELIANCE INDUSTRIES, MUMBAI	20	5	-
108	DHL LOGISTICS, MUMBAI	2	5.5	-
109	UNITED HEALTH, HYD	0	10	10
110	KPMG, HYD	0	5.14	-
111	VE COMMERCIAL VEHICLES, GURGAON	3	5	-
112	THINK & LEARN, B'LORE	6	8	-
113	BOSCH LTD, B'LORE	3	4.7	-
114	SAINT-GOBAIN, CHENNAI	0	5.5	-
115	TRICON INFO, B'LORE	4	4.2	4.2
116	AMDOCS, PUNE	8	4.2	4.2
117	DIRECTI, MUMBAI	0	20.66	20.66
118	VA TECH WABAG, CHENNAI	4	4.1	4.38
119	CYBEROAM TECH, B'LORE	1	3.5	3.5
120	CA TECH, HYD	3	10	10
121	KONEY LABS, HYD	4	5.5	-
122	EXXONMOBIL, MUMBAI	3	8.15	-
123	INDIAN ARMY, B'LORE	*	12	-

124	POWER GRID CORPN, GURGAON	5	13.4	-
125	BHARAT FORGE, PUNE	3	3.5	-
126	3D PLM S.W, MUMBAI	5	4.75	4.86
127	ODESSA TECH, B'LORE	2	-	5.5
128	BALMER LAWRIE, KOLKATA	2	7.66	-
129	TATA HITACHI, B'LORE	2	7	-
130	KEOLIN INDIA, HYD	1	3.77	-
131	TRIBI SYSTEMS, B'LORE	2	4.79	-
132	AIRVANA NETWORKS, B'LORE	2	4.95	5.5
133	PARUL GROUP, VADODARA	9	3	5
134	L&T HYDROCARBON, MUMBAI	*	-	3.88
135	STREAMNET, B'LORE	7	8	8
136	TAVANT TECH, B'LORE	10	4.5	4.5
137	COAL INDIA LTD, KOLKATA	54	8.76	-
138	AMBUJA CEMENTS, CHENNAI	8	3.75	-
139	INTERGRAPH, HYD	4	4	4
140	FICO S.W, B'LORE	*	11.82	11.82
141	INFOTECH ENTERPRISES, B'LORE	1	2.75	3.5
142	MISYS S.W, B'LORE	4	5.22	5.22
143	TOTAL ENVIRONMENT, B'LORE	2	3.8	-
144	NETLINK SLW., B'LORE	1	-	8
145	AAKASH EDUCATIONAL, N. DELHI	2	6.5	6.5
146	BRAHMOS AEROSPACE, N. DELHI	1	9.06	-
147	ATKINS GLOBAL, B'LORE	1	4.34	-
148	AIG ANALYTICS, B'LORE	*	4.25	-
149	BRAKES INDIA, CHENNAI	4	4.8	5.5
150	CENTURY LINK, B'LORE	1	6	-
151	DIABOLD SYSTEMS, MUMBAI	2	7	-
152	ASHIANA HOUSING, N. DELHI	3	3	-
153	L&T TECHNOLOGY, B'LORE	3	3	3.48
154	RAJIV GANDHI UNIVERSITY, HYD	*	-	6.5
155	JOHNSON CONTROLS, MUMBAI	2	3.2	3.1
156	STUP CONSULTANTS, B'LORE	*	-	3.5
157	TEJAS NETWORKS, B'LORE	8	6.8	7.2
158	INFINEON TECH, B'LORE	3	10.3	11.3
159	PRICOL LTD, CHENNAI	0	4	-
160	DEVELOPMENT ALTERNATIVES, DELHI	1	4	4

161	HINDALCO, MUMBAI	7	4	-
162	EXPICIENT SOFTWARE, B'LORE	9	5	5
163	GULF CONTRACTING, DOHA	2	6	-
164	TECHNIP INDIA, CHENNAI	1	-	6
165	PRAJ INDUSTRIES, MUMBAI	0	3.6	-
166	RAMCO SYSTEMS, CHENNAI	0	4.5	-
167	KIRLOSKAR FERROUS, KOPPAL	4	3	-
168	FREUDENBERG INDIA, B'LORE	3	6	-
169	SYNERGY INDIA, B'LORE	3	3.6	3.6
170	GRAIL RESEARCH, NOIDA	1	5.15	5.15
171	CSC, NOIDA	4	7.22	7.22
172	JSW, GOA	6	4.19	-
173	CL INFOTECH, B'LORE	1	-	4
174	MEDIATEK, NOIDA	1	7.1	-
175	SOBHA DEVELOPERS, B'LORE	*	3.08	-
176	HONEYWELL TECH, B'LORE	3	4	4.5
177	ACCRETE GLOBAS TECH, B'LORE	2	4	4
178	APOTEX PHARMA, B'LORE	*	-	1.92
179	i-MARITIME, MUMBAI	1	-	3.5
180	JSW STEEL, BELLARY	13	3.75	-
181	SHAIL GROUP OF INSTITUTIONS	*	-	3.5
182	TOYOTA KIRLOSKER, B'LORE	*	2.46	-
183	ANSYS APACHE, B'LORE	*	4.5	4.5
184	NOKIA SOLUTIONS, B'LORE	10	6.5	7
185	S N BHOBE, MUMBAI	*	-	5
186	TECHNOVATE INDIA, B'LORE	1	5	5
187	NCC INTERNATIONAL, HYD	7	8	-
188	RELIANCE JIO, MUMBAI	*	4.5	-
189	CARGIL INDIA, MUMBAI	9	4	-
190	ADITYA BIRLA CHEMICAL, MUMBAI	5	4	-
191	TRILOGY S.W, B'LORE	*	22	22
192	CALLIGO TECH, B'LORE	8	3.5	3.5
193	CRIMSON LOGIC, B'LORE	1	4	4
194	LUPIN LTD, MUMBAI	1	5.5	-
195	JBF PETROCHEMICALS, MUMBAI	*	4.5	-

COMPANIES : 195	TOTAL JOBS : 890
NEW ORGANIZATIONS VISITED NITK IN 2013-14 : 57	
* Final Results awaited	

BRANCHWISE PLACEMENTS 2013-14 :-

UNDERGRADUATES		
BRANCH	TOTAL ELIGIBLE STUDENTS	PLACED
CIVIL	78	60
CHEMICAL	32	30
COMPUTER	95	87
E & C	94	79
E & E	99	79
IT	82	75
MECHANICAL	122	110
METALLURGY	35	28
MINING	27	24
TOTAL (B.TECH)	664	572
POSTGRADUATES		
STRUCTURAL ENGG.	26	11
GEO TECH.	10	0
ENVIRONMENTAL	18	9
TRANSPORTATION SYSTEM	21	0
CONSTRUCTION TECH & MGMT	23	5
MARINE STRUCTURES	17	2
WATER RESOURCE ENGG & MGMT	12	1
REMOTE SENSING & GIS	12	2
INDUSTRIAL POLLUTION CONTROL	17	0
CHEMICAL PLANT DESIGN	6	1
INDUSTRIAL BIOTECHNOLOGY	22	1
COMPUTER SCIENCE & ENGG	26	21
INFORMATION SECURITY	29	20
VLSI	24	4
COMMUNICATION ENGG	28	2
POWER & ENERGY SYSTEM	22	4
INFORMATION TECHNOLOGY	26	22
THERMAL ENGG	13	3
MANUFACTURING ENGG	14	2
MECHATRONICS	23	7
PROCESS MET.	9	0
MATERIALS ENGG.	22	2
S A C A	21	10
TOTAL (M.TECH)	441	129
MCA	87	73
MBA	42	6
M.Sc(Chemistry)	13	0
M.Sc(Physics)	11	0
TOTAL	1256	780

*TOTAL NO. OF PLACEMENTS - 890
(with 110 students getting placed in two companies)

PLACEMENT BREAKUP 2013-14					
Sl. No.	Name of Company	Date of visit	No. of Students Placed	Branchwise breakup	
				UG	PG
1	MICROSOFT, HYD	Aug. 01, 2013	7	CS 06	MCA 01
2	TEXAS INSTRUMENTS, B'LORE	Aug. 01, 2013	5	CS 01, ECE 03, EEE 01	-
3	BAJAJ AUTO, PUNE	Aug. 02, 2013	5	MECH 05	-
4	G S STRATEGIES, B'LORE	Aug. 03, 2012	2	CS 02	-
5	PEPSICO, MUMBAI	Aug. 03, 2013	3	EEE 02, MECH 01	-
6	GOOGLE INDIA, B'LORE	Aug. 03, 2013	1	CS 01	-
7	D E SHAW, HYD	Aug. 05, 2013	1	CS 01	-
8	YAHOO !, B'LORE	Aug. 05, 2013	3	CS 03	-
9	G S TECHNOLOGY, B;LORE	PPO	7	CS 01, ECE 01, EEE 02, I.T 03	-
10	INTUIT, B'LORE	PPO	7	CS 04, I.T 03	-
11	BROADCOM, B'LORE	PPO	1	ECE 01	-
12	CREDIT SUISSE, MUMBAI	Aug. 23, 2013	5	CS 03, EEE 02	-
13	QUALCOMM, B'LORE	Aug. 06, 2013	7	CS 02, ECE 04, EEE 01	-
14	WALMART, B'LORE	Aug. 06, 2013	2	CS 01, I.T 01	-
15	DELL R&D, B'LORE	Aug. 06, 2013	4	-	CS 02, I.T 01, MCA 01
16	ARM EMBEDDED, B'LORE	Aug. 07, 2013	3	CS 01, ECE 02	-
17	ADOBE SYSTEMS, B'LORE	Aug. 07, 2013	3	CS 01, I.T 02	-
18	NVIDIA, B'LORE	Aug. 08, 2013	3	CS 02, I.T 01	-
19	VMWARE, B'LORE	Aug. 08, 2013	6	CS 02	CS 01, MBA 03
20	ARISTA NETWORKS, B'LORE	Aug. 09, 2013	1	CS 01	-
21	CADENCE DESIGN, B'LORE	Aug. 09, 2013	4	ECE 03, EEE 01	-
22	SANSUNG R&D, B'LORE	Aug. 09, 2013	17	CS 06, ECE 04, I.T 04	CS 02, MCA 01

23	DELOITTE, HYD	Aug. 11, 2013	11	ECE 02, EEE 02, I.T 02	I.T 01, MCA 04
24	CISCO, B'LORE	Aug. 12, 2013	10	CS 03, ECE 03, I.T 04	-
25	NETAPP, B'LORE	Aug. 13, 2013	3	CS 02	CS 01
26	ORACLE, HYD	Aug. 15, 2013	39	CS 09, ECE 05, EEE 06, I.T 05	CS 08, SACA 02, MCA 4
27	SAMSUNG-NOIDA	Aug. 16, 2013	5	CS 02	CS 01, I.T 02
28	AKAMAI, B'LORE	Aug. 16, 2013	1	I.T 01	-
29	MARUTI SUZUKI, DELHI	Aug. 17, 2013	1	MECH 01	-
30	G E INDIA, B'LORE	Aug. 18, 2013	3	ECE 01, EEE 01	MECH 01
31	MCA FEE SOFTWARE, B'LORE	Aug. 19, 2013	4	CS 01, ECE 02, I.T 01	-
32	ADAP.TV TECH, B'LORE	Aug. 19, 2013	1	-	CS 01
33	SIEMENS TECH, B'LORE	Aug. 19, 2013	0	-	-
34	MAHINDRA & MAHINDRA, MUMBAI	Aug. 19, 2013	4	MECH 03	MECH 01
35	FUTURES FIRST, MUMBAI	Aug. 19, 2013	4	CHEM 01, MECH 03	-
36	PLX TECH, B'LORE	Aug. 20, 2013	5	-	ECE 05
37	SANDVINE TECH, B'LORE	Aug. 20, 2013	2	-	CS 02
38	DAIMLER INDIA, CHENNAI	Aug. 20, 2013	10	MECH 10	-
39	SABRE-HOLDINGS, B'LORE	Aug. 21, 2013	3	EEE01, I.T 01	MCA 01
40	FIDELITY INVESTMENTS, B'LORE	Aug. 21, 2013	5	CS 01, ECE 01, EEE 02, I.T 01	-
41	THOROGOOD, B'LORE	Aug. 22, 2013	6	CIVIL 01, EEE 02, MET 01, MIN 01	MCA 01
42	FINISAR-MALAYSIA	Aug. 22, 2013	2	ECE 01, EEE 01	-
43	GODREJ INDUSTRIES, MUMBAI	Aug. 22, 2013	0	-	-
44	EXL SERVICE, B'LORE	Aug. 23, 2013	11	CIVIL 03, EEE 03, MECH 04, MET 01	-
45	CAPITAL ONE, B'LORE	Aug. 25, 2013	4	ECE 02, EEE 01, MECH 01	-
46	INFEBEAM.COM, B'LORE	Aug. 25, 2013	4	IT 01	I.T 01, MCA 02
47	C-DOT, B'LORE	Aug. 27, 2013	2	ECE 01	CS 01
48	COMMVault, B'LORE	Aug. 27, 2013	0	-	-
49	MU-SIGMA, B'LORE	Aug. 28, 2013	13	CIVIL 04, CHEM 02, EEE 01, I.T 03, MECH 03	-

50	TVS MOTOR, HOSUR	Aug. 29, 2013	1	MECH 01	-
51	WIPRO LTD, B'LORE	Aug. 29, 2013	9	CIVIL 03, CHEM 01, ECE 01, EEE 01, I.T 02, MET 01	-
52	CAVIUM NETWORKS, B'LORE	Aug. 30, 2013	0	-	-
53	NATIONAL INSTRUMENTS, B'LORE	Aug. 30, 2013	3	I.T 02	I.T 01
54	CAPITAL IQ, HYD	Aug. 31, 2013	2	CS 01, I.T 01	
55	L&T CONSTRUCTION, CHENNAI	SEPT. 01, 2013	31	CIVIL 09, EEE 04, MECH 03	CIVIL 14, EEE 01
56	AKS SOFTWARE, NOIDA	SEPT. 01, 2013	5	CS 03, I.T 02	
57	TATA STEEL, M.P	SEPT. 02, 2013	1	MECH 01	
58	HONDA R&D, N. GURGAON	SEPT. 03, 2013	0	-	-
59	Z S ASSOCIATES, PUNE	SEPT. 04, 2013	11	CIVIL 01, CHEM 01, ECE 02, EEE 04, I.T 02, MECH 01	-
60	HSBC, B'LORE	SEPT. 05, 2013	9	CIVIL 01, CHEM 02, EEE 01, MET 04, MIN 01	-
61	T C E, B'LORE	SEPT. 05, 2013	7	CIVIL 01, CHEM 02, MECH 02	CIVIL 01, CHEM 01
62	VERIZON S.W, CHENNAI	SEPT. 06, 2013	5	EEE 02	MCA 03
63	ERICSSON, B'LORE	SEPT. 07, 2013	2	ECE 02	-
64	INFORMATICA, B'LORE	SEPT. 08, 2013	2	-	CS 01, I.T 01
65	MERCEDES-BENZ, B'LORE	SEPT. 16, 2013	2	-	MECH 02
66	TCS, B'LORE	SEPT. 17, 2013	37	CIVIL 01, CS 01, ECE 03, EEE 04, I.T 02, MECH 03, MIN 01	CS 04, MCA 18
67	H U L, MUMBAI	SEPT. 18, 2013	4	CHEM 01, EEE 01, MECH 02	-
68	HONDA 2 WHEELERS, NOIDA	SEPT. 19, 2013	2	MECH 02	-
69	GEP SOLUTIONS, B'LORE	SEPT. 19, 2013	1	EEE 01	-
70	IBM-GBS, B'LORE	SEPT. 21, 2013	32	CIVIL 01, CHEM 01, ECE 06, EEE 06, I.T 03, MECH 03, MET 02, MIN 01	CIVIL 01, CHEM 01, CS 01, MCA 06
71	CITICORP SERVICES, MUMBAI	SEPT. 22, 2013	6	ECE 03, I.T 01	CS 02

72	UNISYS, B'LORE	SEPT. 23, 2013	2	CS 02	-
73	AMADEUS S.W, B'LORE	SEPT. 23, 2013	2	CS 01	I.T 01
74	SAPIENT, GURGAON	SEPT. 24, 2013	13	I.T 01	MCA 12
75	I-GATE, B'LORE	SEPT. 28, 2013	15	CS 02, ECE 04, EEE02, I.T 02	MCA 05
76	TRIMBLE INFO, CHENNAI	SEPT. 29, 2013	1	-	MCA 01
77	SAP LABS, B'LORE	SEPT. 30, 2013	10	CHEM 01, CS 03, ECE 04	CS 01, MCA 01
78	HP R&D, B'LORE	OCT. 01, 2013	1	CS 01	-
79	NOMURA SERVICES, MUMBAI	OCT. 02, 2013	3	EEE 02, MET 01	-
80	AMAZON, B'LORE	OCT. 02, 2013	2	-	CS 02
81	ONE CONVERGENCE, HYD	OCT. 04, 2013	6	-	CS 02, I.T 01, SACA 03
82	ABB LTD, B'LORE	OCT. 05, 2013			-
83	ARICENT GROUP, B'LORE	OCT. 06, 2013	20	CS 02, I.T 05	MCA 13
84	SUCCESS FACTORS, B'LORE	OCT. 07, 2013	1	-	CS 01
85	ACG WORLDWIDE, MUMBAI	OCT. 09, 2013	1	MECH 01	-
86	HERO MOTORCORP, N.DELHI	OCT. 10, 2013	5	MECH 05	-
87	TATA MOTORS, MUMBAI	OCT. 11, 2013	6	MECH 06	-
88	TEACH FOR INDIA, B'LORE	OCT. 11, 2013	1	CS 01	-
89	ERNST & YOUNG -GTH, B'LORE	OCT. 16, 2013	3	CS 01	MCA 02
90	EMC SOFTWARE, B'LORE	OCT. 17, 2013	4	CS 02, I.T 02	-
91	ONMOBILE, B'LORE	OCT. 18, 2013	3	ECE 01, EEE 01, MECH 01	-
92	TESCO, B'LORE	OCT. 19, 2013	7	CS 01, ECE 01, I.T 01	MCA 04
93	SILAB TECH, B'LORE	OCT. 19, 2013	1	ECE 01	-
94	RARE MILE TECH, B'LORE	OCT. 20, 2013	0	-	-
95	LINKED IN, B'LORE	OCT. 21, 2013	3	CS 02, I.T 01	-
96	OSS CUBE, B'LORE	OCT. 21, 2013	4	-	MCA 04
97	ARYAKA NETWORKS, B'LORE	OCT. 23, 2013	3	-	CS 01, I.T 02
98	BPCL, MUMBAI	OCT. 24, 2013	6	CIVIL 04, EEE 02	-
99	YMEDIA LABS, B'LORE	OCT. 28, 2013	4	ECE 01	MCA 03
100	POLARIS S.W, CHENNAI	OCT. 28, 2013	3	CO 01, I.T 02	-
101	ROBERT BOSCH, B'LORE	OCT. 28, 2013	7	ECE 02, EEE 01, I.T 01, MECH 01	MECH 02

102	PHOENIX MATITIME, MUMBAI	OCT. 30, 2013	*	-	-
103	ACCOLITE S.W, B'LORE	OCT. 31, 2013	2	-	CS 01, MCA 01
104	IBS SOFTWARE, TVM	NOV. 05, 2013	8	CS 03, I.T 02, MET 01	MCA 02
105	ANZ, B'LORE	NOV. 07, 2013	1	EEE 01	-
106	MURUGAPPA GROUP, CHENNAI	NOV. 07, 2013	1	MECH 01	-
107	RELIANCE INDUSTRIES, MUMBAI	NOV. 11, 2013	20	CHEM 06, EEE 06, MECH 05, MET 03	-
108	DHL LOGISTICS, MUMBAI	NOV. 13, 2013	2	MECH 01, MET 01	-
109	UNITED HEALTH, HYD	NOV. 13, 2013	0	-	-
110	KPMG, HYD	NOV. 13, 2013	0	-	-
111	VE COMMERCIAL VEHICLES, GURGAON	NOV. 14, 2013	3	MECH 03	-
112	THINK & LEARN, B'LORE	NOV. 16, 2013	6	CHEM 01, ECE 01, EEE 02, MET 01, MIN 01	-
113	BOSCH LTD, B;LORE	NOV. 16, 2013	3	MECH 03	-
114	SAINT-GOBAIN, CHENNAI	NOV. 18, 2013	0	-	-
115	TRICON INFO, B'LORE	NOV. 19, 2013	4	-	MCA 04
116	AMDOCS, PUNE	NOV. 19, 2013	8	-	IT 01, MCA 07
117	DIRECTI, MUMBAI	NOV. 20, 2013	0	-	-
118	VA TECH WABAG, CHENNAI	NOV. 20, 2013	4	CIVIL 02, EEE 01	CIVIL 01
119	CYBEROAM TECH, B'LORE	NOV. 21, 2013	1	-	MCA 01
120	CA TECH, HYD	NOV. 22, 2013	3	I.T 02	CS 01
121	KONEY LABS, HYD	NOV. 22, 2013	4	CS 02, ECE 02	-
122	EXXONMOBIL, MUMBAI	NOV. 23, 2013	3	CHEM 2 MECH 01	-
123	INDIAN ARMY, B'LORE	NOV. 23, 2013	*	-	-
124	POWER GRID CORPN, DELHI	NOV. 28, 2013	5	CIVIL 04, EEE 01	-
125	BHARAT FORGE, PUNE	NOV. 29, 2013	3	MET 03	-
126	3D PLM S.W, MUMBAI	DEC. 05, 2013	5	I.T 02, MECH 03	-
127	ODESSA TECH, B'LORE	DEC. 10, 2013	2	-	MBA 01, SACA 01
128	BALMER LAWRIE, KOLKATA	DEC. 12, 2013	2	CHEM 02	-
129	TATA HITACHI, B'LORE	DEC. 16, 2013	2	MECH 02	-
130	KEOLIN INDIA, HYD	DEC. 26, 2013	1	EEE 01	-
131	TRIBI SYSTEMS, B'LORE	JAN 04, 2014	2	ECE 02	-

132	AIRVANA NETWORKS, B'LORE	JAN 06, 2014	2	-	IT 01, SACA 01
133	PARUL GROUP, VADODARA	JAN 06, 2014	9	-	CIVIL 02, CS 01, I.T 01, EEE 02, MECH 03
134	L&T HYDROCARBON, MUMBAI	JAN 06, 2014	*	-	-
135	STREAMNET, B'LORE	JAN 07, 2014	7	CS 02, ECE 01, EEE 02, I.T 01	CS 01
136	TAVANT TECH, B'LORE	JAN 07, 2014	10	CS 02, ECE 05, I.T 02	CS 01
137	COAL INDIA LTD, KOLKATA	JAN 09, 2014	54	CIVIL 10, EEE 09, MECH 15, MIN 12	CIVIL 08
138	AMBUJA CEMENTS, CHENNAI	JAN 10, 2014	8	CIVIL 02, MIN 06	-
139	INTERGRAPH, HYD	JAN 10, 2014	4	CS 01, ECE 01, MECH 01	RS &GIS 01
140	FICO S.W, B'LORE	JAN 11, 2014	*	-	-
141	INFOTECH ENTERPRISES, B'LORE	JAN 11, 2014	1	-	CIVIL 01
142	MISYS S.W, B'LORE	JAN 13, 2014	4	-	CS 01, I.T 03
143	TOTAL ENVIRONMENT, B'LORE	JAN 15, 2014	2	CIVIL 02	-
144	NETLINK SOFTWARE, B'LORE	JAN 16, 2014	1	-	MBA 01
145	AAKASH INSTITUTE, N. DELHI	JAN 16, 2014	2	MET 01, MIN 01	-
146	BRAHMOS AEROSPACE, N. DELHI	JAN 16, 2014	1	MECH 01	-
147	ATKINS GLOBAL, B'LORE	JAN 17, 2014	1	CIVIL 01	-
148	AIG ANALYTICS, B'LORE	JAN 19, 2014	*	-	-
149	BRAKES INDIA, CHENNAI	JAN 20, 2014	4	MET 02	MET 02
150	CENTURY LINK, B'LORE	JAN 20, 2014	1	IT 01	-
151	DIABOLD SYSTEMS, MUMBAI	JAN 20, 2014	2	ECE 01, I.T 01	-
152	ASHIANA HOUSING, N. DELHI	JAN 21, 2014	3	CIVIL 03	-
153	L&T TECHNOLOGY, B'LORE	JAN 21, 2014	3	-	MECH 03
154	RAJIV GANDHI UNIVERSITY, HYD	JAN 22, 2014	*	-	-
155	JOHNSON CONTROLS, MUMBAI	JAN 22, 2014	2	EEE 01, MECH 01	-
156	STUP CONSULTANTS, B'LORE	JAN 24, 2014	*	-	-
157	TEJAS NETWORKS, B'LORE	JAN 24, 2014	8	CS 02, ECE 01, I.T 03	CS 01, SACA 01
158	INFINEON TECH, B'LORE	JAN 29, 2014	3	ECE 03	-
159	PRICOL, CHENNAI	FEB 03, 2014	0	-	-

160	DEVELOPMENT ALTERNATIVES, CHENNAI	FEB 04, 2014	1	-	CIVIL 01
161	HINDALCO, MUMBAI	FEB 05, 2014	7	CHEM 02, MECH 02, MET 02, MIN 01	-
162	EXPICIENT SOFTWARE, B'LORE	FEB 07, 2014	9	CS 02, ECE 01, EEE 01, I.T 01, MET 01, MIN 01	I.T 01, SACA 01
163	GULF CONTRACTING, DOHA	FEB 07, 2014	2	CIVIL 02	-
164	TECHNIP INDIA, CHENNAI	FEB 14, 2014	1	-	MS 01
165	PRAJ INDUSTRIES, PUNE	FEB 14, 2014	0		-
166	RAMCO SYSTEMS, CHENNAI	FEB 21, 2014	0		-
167	KIRLOSKAR FERROUS, KOPPAL	FEB 21, 2014	4	MET 04	-
168	FREUDENBERG INDIA, B'LORE	FEB 24, 2014	3	CHEM 01, MECH 02	-
169	SYNERGY INDIA, B'LORE	FEB 24, 2014	3	CIVIL 01	CIVIL 02
170	GRAIL RESEARCH, NOIDA	FEB 27, 2014	1	-	MBA 01
171	CSE INDIA, NOIDA	FEB 28, 2014	4	CS 02, I.T 02	-
172	JSW, GOA	MAR 01, 2014	6	EEE 02, MECH 04	-
173	CL INFOTECH, B'LORE	MAR 05, 2014	1	-	CS 01
174	MEDIATEK, NOIDA	MAR 11, 2014	1	CS 01	-
175	SOBHA DEVELOPERS, B"LORE	MAR 15, 2014	*		-
176	HONEYWELL TECH, B'LORE	MAR 19, 2014	3	ECE 01, EEE 01	EEE 01
177	ACCRETE GLOBAS TECH, B'LORE	MAR 20, 2014	2	-	I.T 02
178	APOTEX PHARMA, B'LORE	MAR 20, 2014	*	-	
179	i-MARITIME, MUMBAI	MAR 24, 2014	1	-	MS 01
180	JSW STEEL, BELLARY	MAR 29, 2014	13	CHEM 02, MECH 04, MET 07	-
181	SHAIL GROUP OF INSTITUTIONS	APRIL 05, 2014	*	-	
182	TOYOTA KIRLOSKAR, B'LORE	APRIL 08, 2014	*		-
183	ANSYS APACHE, B'LORE	APRIL 10, 2014	*		-
184	NOKIA SOLUTIONS, B'LORE	APRIL 11, 2014	10	ECE 03, I.T 02	CS 03, ECE 01, SACA 01
185	S N BHOBE, MUMBAI	APRIL 11, 2014	*	-	
186	TECHNOVATE INDIA, B'LORE	APRIL 12, 2014	1	I.T 01	-
187	NCC INTERNATIONAL	APRIL 15, 2014	7	CIVIL 07	-
188	RELIANCE JIO, MUMBAI	APRIL 15, 2014	*		

189	CARGIL INDIA, MUMBAI	APRIL 16, 2014	9	CHEM 03, EEE 03, MECH 03	-
190	ADITYA BIRLA CHEMICALS, MUMBAI	APRIL 20, 2014	5	CHEM 01, ECE 01, EEE 01, MECH 02	-
191	TRILOGY S.W., B'LORE	APRIL 20, 2014	*		
192	CALLIGO TECH, B'LORE	APRIL 22, 2014	8	CS 01, I.T 01	CS 02, I.T 04
193	CRIMSON LOGIC, B'LORE	APRIL 23, 2014	1	-	I.T 01
194	LUPIN LTD, MUMBAI	APRIL 23, 2014	1	CHEM 01	-
195	JBF PETROCHEMICALS, MUMBAI	APRIL 24, 2014	*		-

*Results awaited

Training Slots for the Academic Year 2013-14

Sl. No.	Branch	No. of Slots
01	Chemical Engineering	59
02	Civil Engineering	61
03	Computer Engineering	64
04	Electronics & Communication Engineering	47
05	Electrical & Electronics Engineering	91
06	Information Technology	48
07	Mechanical Engineering	159
08	Metallurgical & Material Engineering	73
09	Mining Engineering	82
	Total Number of Students	684

Number of Companies : 173	Number of Training Slots : 684
----------------------------------	---------------------------------------

17 SPECIAL INITIATIVES

17.1 Direct Admission of Students Abroad (DASA)

The admission of Foreign Nationals / Persons of Indian Origin/ Non-Resident Indians to undergraduate programs in Centrally Funded Institutions (CFIs) is being offered under DASA (Direct Admission of Students Abroad) scheme from the academic session 2001-02 onwards. The Ministry of Human Resource Development, Government of India has entrusted the coordination of the admission process under DASA scheme to NITK, Surathkal from academic year 2010-11 to 2013-14 vide an order No. F-22-12/2007-TSIII dated 04 March 2010.

The academic eligibility criteria for students seeking admission under DASA scheme for the academic year 2012-13, has been modified. In addition to passing the qualifying examination, candidates should have a valid **SAT-II** (Subject Test) score, minimum of 1440 conducted by College Board, USA (in Physics, Chemistry and Mathematics level –II) to be eligible for admission.

The admission process has been modified and those seeking admission under DASA scheme have to apply online, filling an online application form and making payment of fee through demand draft/Swift transfer/e-transfer.

Salient features that have been incorporated in the DASA 2013 admissions are:

- ◆ Number of seats for 2013-14, UG – 2180, M.Tech. – 709 MBA - 89
- ◆ On line admission process
- ◆ On line fee payment process
- ◆ On line seat allotment process
- ◆ SAT subjectwised Test for Merit list preparation
- ◆ Processing fee 250 USD

17.2 ENGINEER 2013

“Engineer” the reputed technical symposium of NITK, Surathkal was held on October 23,2013. Mr. Raghavendra Bhat, (Mathemagician, Manipal) as guest of Honour and Dr. Swapan Bhattacharya, Director, NITK as president.

17.3 Scholarships / Assistanceship

Sl. No.	Date of Signing MOU Duration	Organization/Institute
1	3 rd March 2014, 5 Years	Moog India Technology Center Pvt. Ltd.
2	26 th February 2014, 5 Years	Indian Naval Academy, Ezhimala.
3	24 th January 2014, 3 years	M/s. Insmart Systems, Hyderabad
4	17 th December 2013, 3 Years	hepia-University of Applied Sciences Western Switzerland technology, architecture and landscape

17.4 MEMORANDA OF UNDERSTANDING (MOUs)

5	4 th November 2013, 5 Years	Larsen & Toubro Limited (L&T Construction)
6	21 st October 2013, 3 Years	University of Seville (UoS), Spain
7	4 th October 2013, 3 Years	ProSIM R& D Pvt. Ltd.
8	25 th September 2013, 5 Years	AB Volvo Group Sweden
9	31 st August 2013, 5 Years	Robert Bosch Engineering and Business Solutions Limited (RBEI), Bangalore
10	10 th June 2013, 5 Years	Indian Institute of Science, Bangalore

11	10 th June 2013, 5 Years	Mercedes-Benz Research and Development India Private Limited (MBRDI), Bangalore
----	-------------------------------------	---

As per the guidelines of Govt. of India (MHRD) Merit and Merit cum Means Scholarship have been awarded to I B.Tech. students every year who have got 60% above marks in +2 exam and the same will be continued based on their performance in II, III & IV B.Tech. Examinations. In addition, based on performances at the semester Examinations scholarship have been awarded to the students of II, III and IV year B.Tech. Several other scholarship awarded by Central and State Govts., Endowments, Institution of Engineers etc., are enjoyed by the students. SC/ST students will be paid post-matric scholarship and facilities of Fee Concessions.

The Post Graduate students who have qualified with GATE are paid a sum of Rs.8,000/- as P.G. stipend per month. M.Tech. (Q.I.P.) Regular and (Q.I.P.) Poly are paid Rs.4,000/- per month and a contingent grant of Rs.3,000/- per year.

Full-Time Ph.D. Research Scholars are paid institute scholarship @ Rs.18,000/- per month (for Ph.D. in Engg.) and Rs.16,000/- per month (for Ph.D. in Science/Humanities & Social Sciences) and contingent grant of Rs.30,000/- per annum. Ph.D. (QIP) students are paid Fellowship of Rs.9,000/- per month and a contingent grant of Rs.10,000/- per year.

17.5 Innovations & Technology Transfer

Department of Electronics & Communication Engineering

Details of Innovation/Patent	Names of faculty/staff/students involved
Annotation on media sheet indicating functionality to be performed in relation to image on media sheet, US 8482827 B2, Publication date July 9, 2013.	Dinesh Mandalapu, Anjaneyulu Seetha Rama Kuchibhotla, Sriganesh Madhvanath, Deepu VIJAYASENAN, Rama Vennelakanti,
"Successive Approximation Register Analog to Digital Converter Circuit and Conversion Method Thereof" applied at Indian Patent Office, Chennai – No. 4777/CHE/2013 dated 18/11/2013.	M Shankaranarayana Bhat Jagadish D. N

Department of Metallurgical & Materials Engineering

Details of Innovation/Patent	Name of faculty/staff / students involved
Submerged combustion burner and melter, and method of use, International patent applied for Johns Manville Corporation	Subray R. Hegde
"Submerged Combustion Burners" – International patent applied for Johns Manville Corporation	Subray R. Hegde

17.6 Concessions For SCs, STs, Handicapped Students

Concessions Provided For Students (Karnataka State Students Only) (Tuition Fee Concession) – Nil

Concessions Provided For Staff - Nil

17.7 SC/ST CELL

SC -ST Cell was established in 2006, with the objective, to ensure prompt disposal of the grievances of the SC/ST employees and to scrutinize and consolidate the statistical data and to conduct annual inspection of the rosters maintained.

Also the Cell coordinates Scholarship Schemes for the benefit of the students belonging to SCs/STs

- The Central Sector Scholarship Scheme for SC/ST students introduced from the academic year 2007-08, objective of the scheme is to promote qualitative education amongst SC/ST students, by providing full financial support for pursuing studies beyond 12th class. Ministry of Social Justice & Empowerment awards 12 SC students and Ministry of Tribal Affairs awards 5 ST students per year whose total family income is up to Rs. 4.50 lakhs per annum. . In the current year(2013-2014) 46 SC and 19 ST students got benefited.
- Special Coaching Classes for all theory subjects and CP Lab for First Year B.Tech Students belonging to SC/ST/ OBCs, Minorities and PWDs.
- Co-ordination of Ambedkar Jayanthi celebration in the institute.

Other activities of the SC-ST Cell :

- **Professional Skill Enhancement Programme:**

The SC-ST Cell arranged twenty days in house programme, Professional Skill Enhancement Programme during 1st to 20th July 2013 for pre final year B.Tech and final year M.Tech SC/ST/OBC/PWDs students of NITK, Surathkal aimed to impart soft skills in the students and prepare them to face interviews and group discussions. 48 students of pre-final year B.Tech & final year M.Tech students actively participated in the programme.

The programme focuses on English communication skills, Self Enrichment & Employability enhancement, Teamwork, Leadership, Interpersonal skills, CV writing, Interviews, Group Discussions, Presentation skills, Career planning. From the placement records of the institute for the academic year 2013-2014 it is evident that out of 48 students 25 of them got placement in reputed organizations, one student got selected in Indian Institute of Management for further studies and few more students opted higher studies.

- **Self Enrichment Programme :**

Five days orientation programme titled “Self Enrichment Programme” on 9th, 10th, 11th, 17th and 18th August 2013 conducted for first year B.Tech SC/ST/OBC/PWD students of NITK-Surathkal. In the programme 120 students actively participated. The programme was aimed to develop social skills, study strategies, and improve their aspiration levels, orientation and abilities to adapt to the environment at NITK and to perform to their maximum abilities.

The modules of the proposed programme include SWOT analysis, Personality development, Stress Management, Effective communication, Group Discussion, Motivational Techniques & Practices, English for advance learners, Self Esteem, Presentation skills, Team work. The students expressed their view that, they got really motivated from this programme and helped in goal setting.

- **Personal Empowerment Programme**

The SC-ST Cell conducted two days Personal Empowerment Programme for first year Post Graduate students belonging to SC/ST category on 18th and 19th January 2014. Around 34 students actively participated in the programme. The Programme included Effective communication, Career guidance, Personal Training & Self Esteem, Goal setting and Report building. Students requested to conduct such programs again and again and other students take benefit of the programme.

17.8 NSS (National Service Scheme)

The NSS unit of the NITK Surathkal (formerly KREC Surathkal) has been actively rendering its services to the backward areas and villagers of Dakshina Kannada district since its inception in this institute in 1964. The NSS unit organizes regular activities like, tree plantation, clean up of the hostels and NIT K Beach, organizes blood donation, medical, dental and eye camp for the villagers. It also involves in promoting literacy to villagers irrespective of their age, and enhances educational tools and, motivates primary school children of the schools located in various villages. The NSS unit of the institute was initially part of the Mysore University, Mangalore University and Vishvesvaraya Technological University. For the year 2010, the institute has already obtained permission from the Karnataka state NSS unit to have NSS unit which is independent to NIT K Surathkal.

17.9 RIGHT TO INFORMATION ACT (RTI 2005)

The Right to Information Act, 2005 empowers citizens to get information from any 'public authority'. The Central Public Information Officer (CPIO) of a public authority plays pivotal role in making the right of a citizen to information a reality. The Act casts specific duties on him and makes him liable for penalty in case of default.

Right to Information under the Act

A citizen has a right to seek such information from a public authority which is held by the public authority or which is held under its control. This right includes inspection of work, documents and records; taking notes, extracts or certified copies of documents or records; and taking certified samples of material held by the public authority or held under the control of the public authority.

The Act gives the citizens a right to information at par with the Members of Parliament and the Members of State Legislatures.

Right to Information Cell was established as per the MHRD letter No. F.19-31/2005-TS-III dated 20.09.2005.

Suo-Moto disclosures are uploaded on the NITK website under RTI section. These disclosures are mandatory and are crucial to ensure transparency and accountability. This would reduce the load of RTI Applications which are freely available to citizens. 110 RTI Applications were received during the year 2013-14 (from 01.04.2013 to 31.03.2014)

17.10 YOGA CENTRE HISTORY

Yoga club is a club which organizes all sorts of meditation methods like different yam or self discipline, niyam or discipline, Asanas or position, Bandha or Mudra, Pranayama or control of breath, pratyahar or determination, dharana or dedication, dhyan or meditation and Samadhi or deep meditation which help in concentration in study, helping in attaining happiness by removing all sorts of diseases, for the purity of external life and for internal purity by following regulation of purity of thoughts. It has been organizing yoga events from the last 15 years in NITK.

RECENT INITIATIVES

- We have planned to organize 6 batches in this year which is much more than last year in which only 3 batches were conducted in one year and previous years.
- We are also planning to conduct some special yoga practices for faculty members who are willing to join in large number. A large number of faculty members have enquired and wanted to join the yoga practices.
- We are planning to attract more number of B.TECH students by increasing the size of organizing members and also inducting 1st years into organizing committee.
- We are trying to make people aware of yoga programs more and more by notices as well through personal and group contacts.

MAJOR ACHIEVEMENTS

- 180 people have been enrolled in this semester in different batches which is very large as compared to previous year enrolments and about same number of students are likely to enroll in the next semester yoga practices.
- More than 60 girl students have enrolled for yoga practices this year and are actively participating in almost all batches.
- Postgraduate students and Ph.D scholars have shown much more interest in practicing and learning yoga asanas and pranayams than undergraduate people.

17.11 TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)

The second phase of Technical Education Quality Improvement Programme (referred to as TEQIP-II) is fully integrated with the Eleventh Five-year Plan objectives for Technical Education as a key component for improving the quality of Education in existing institutions. The reform process of TEQIP-I needs to be sustained and scaled-up for embedding gains in the system and taking the transformation to a higher level. To continue the development activities initiated through TEQIP-I, a sequel project is planned as TEQIP-II with a financial outlay of Rs. 125 million launched in March 2011 with NITK entering into a MOU with MHRD for successful implementation of the project with the prime objectives of scaling up Postgraduate Education and Demand - Driven Research & Development and innovation and enhancing existing capacity to become dynamic, demand-driven, quality conscious, efficient and forward looking, responsible to rapid economic and technological developments occurring at the local, State, National and International levels.

Out of Rupees 125 million financial outlays under TEQIP-II programme, a sum of Rs. 20.00 million was received on 21-06-2011, Rs. 41.70 million was received on 06-10-2012 and Rs.10.00 million was received on 28-03-2014. Hence total Rs.71.70 million has been received up to the end of 31-03-2014. With the above fund flow the targets achieved and those under progress up to the end of March 2014 are as under:

Sl. No.	Head of Account	Amount in Million (Rs.)
1.	Procurement of Assets (including Books, LR's, software, Equipments and Furniture)	39.60
2.	Providing Teaching and Research Assistantship	6.38
3.	Enhancement of R & D activities	0.61
4.	Faculty and Staff Development	1.66
5.	Enhanced interaction with Industry	0.78
6.	Academic support to weak students	0.24
7.	Incremental Operating Cost	8.45
8.	Institutional Reforms	9.35
9.	Institutional Management Capacity Enhancement	0.25
	Total	67.32
	% Utilization	93.4%

35 number of Workshops/Seminars involving financial outlay of Rs.5.55 million were conducted in various Engineering departments. A total of seven expert lectures and five workshops were conducted under Industry Institute Interaction and twelve expert lectures were conducted under enhancement of Research and Development activities.

At the time of reporting, 65 Faculty members from various departments have availed the facility of sponsorship under TEQIP-II for attending Workshop, Seminar, Conferences and Research Interaction at different Universities in India and Abroad.

Following events took place during the reporting period:

1. The NPIU nominated Mentor Dr. Sounak Chowdhary visited this Institute during December 2012 and interacted with Faculty members, Non - teaching staff and students of the Institute regarding TEQIP-II activities in the Institute.
2. Performance Audit of TEQIP-II activities has been conducted in August 2013 as per NPIU guidelines.
3. Review of Good Governance Practice was conducted by World Bank Consultants during September 2013.
4. Data Audit of TEQIP-II was conducted during February 2014.

18 INDUSTRY INSTITUTE INTERACTION

18.1 Industry Institute Partnership Cell (I.I.P Cell)

The IIP Cell at NITK, Surathkal is engaged in building Institute Industry Collaboration for mutual benefit. The Cell is headed by a faculty member of Associate Professor or above grade supported by a Literate Assistant. The faculty in-charge reports to Dean (P & D)/Director. IIP Cell is mainly involved in handling of Testing and Consultancy works of all the departments and arranging endowment lectures. The Institute Revenue Generation through Testing and Consultancy has been improving substantially. The total revenue through Testing & Consultancy works for the year 2013-14 is Rs. 1.63 crores. IIP Cell has been encouraging industries in the local region to make use of the testing and experimental facilities of the Institute.

18.2 INDUSTRY INSTITUTE COLLABORATION

Department of Civil Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
L&T	Academic	2014-15 onwards

Department of Computer Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc.)	Period/ Duration
SAP Labs, Bangalore	Academic and Training	2013-2014
DELL, Bangalore	Academic and Training	2013-2014

Department of Chemical Engineering

Name of Industry	Nature of Collaboration (Academic, Research, Training, Etc.)	Period / Duration
Kudremukh Iron Ore Company Ltd, Mangalore	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
Buhlar (India) Pvt.Ltd., Bangalore	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Indian Instt. Chemical Technology, Hyderabad	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
MRPL, Mangalore	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Bharath Petroleum & Chemicals Ltd., Cochin	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
Hindustan Organic Chemicals Ltd., Cochin	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Reliance Industries, Jamnagar	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
Reliance Industrial limited, Navo Mumbai	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Chemical Engg. & Process Development Group of R&D Centre at Reliance Industries Ltd., Vadodara	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013

BASF, Mangalore	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Mangalore Chemicals & Fertilizers, Panambur, Mangalore	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
Qatar Fuel Additives Company (QAFAC)	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Qatar Fertilizers Company (SAQ),	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
Worley Parsons, Resources & energy, Oman	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Bharath Petroleum Corporation Limited, Mahul Refinery, Mumbai	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
KREBS Biochemicals and Industries Ltd, Nellore, Andhra Pradesh	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Vesuvius India Ltd., Kolkata	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
Saha Instt. of Nuclear Physics, Kolkata	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
AKZO Nobel coatings India Pvt.Ltd, Bangalore	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
GE India Tech.Centre Pvt. Ltd., Bangalore	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Glaxo SmithKline Consumer Health Care Ltd., Nabha	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
MRD Life Sciences, Lucknow	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
TEVA Active Pharmaceutical Ingredients India Ltd., Greater Noida, UP	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
MSN Laboratories Pvt. Ltd., Hyderabad	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
HLL Lifecare Limited, Trivandrum	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
The Fertilizers and Chemicals Travancore Limited (FACT), Udyogmandal, Kerala	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
Bharat Heavy Electricals Limited, Bangalore	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
Rashtriya Vispat Nigam Limited, Visakhapatnam	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
CIPLA Ltd., Bangalore	Training to undergraduate students & Post graduate students	During Summer vacation May to July 2013
Karnataka Power Corporation Ltd., Bangalore	Training to undergraduate & Post Graduate students	During Summer vacation May to July 2013
National Solid Waste Association of India, Mumbai	Internship to Post Graduate students	During Summer vacation May to July 2013
Thermax (India) Ltd., Pune	Internship to Post Graduate students	During Summer vacation May to July 2013
TERI-SRC, Bangalore	Internship to Post Graduate students	During Summer vacation May to July 2013

Variable Energy Cyclotron Centre, Dept. of Atomic Energy, Govt. India, Kolkata	Internship to Post Graduate students	During Summer vacation May to July 2013
National Centre for Cell Sciences, Pune	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Indian Instt. Of Science, Bangalore	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Regional Centre for Technology, Gurgaon	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Dept. Of Chemical Engg., Indian Institute of Technology, Bombay	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Instt. of Chemical Tech., Mumbai	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Indian Instt. Of Technology Madras, Chennai	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Department of Chemical and Biomolecular Engg., National University of Singapore	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
UniBiosys Biotech Research Lab., Cochin University, Cochin	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Central Tubers Corps Research Instt., Thiruvananthapuram, Kerala	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Buochemical engg. Unit, National chemical Laboratory, Pune	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
Dept. Of Biotechnology, Central Leather Research Instt. (CSIR), Chennai	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013

Indian Instt. Of Technology, Guwahati	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013
National Instt. Of Immunology, New Delhi	Major Project work & Internship to Post Graduate students	During July 2013 to May 2014 academic year & Summer vacation May to July 2013

Department of Electronics & Communication Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Light and Electro Optics Laboratory (LEOS), ISRO	Design of Free Space Optical link from satellite to ground station (Research)	2012-2014
Texas Instruments	UG Project	2013-2014
Robert Bosch Engineering and Business Solutions Limited, Bangalore	PG Project	2013-2014
Intel Technology India Pvt Ltd, Bangalore	PG Project	2013-2014
Broadcom Communication PVT LTD, Bangalore	PG Project	2013-2014
Udupi Srikrishna Technologies, Bangalore	PG Project	2013-2014
Cypress Semiconductors	PG Project	2013-2014
Plx Technology	PG Project	2013-2014
Google, Bangalore	PG Project	2013-2014
Kaji Tech Bangladesh	PG Project	2013-2014
Emulex Communications Pvt. Ltd	PG Project	2013-2014
ISRO	PG Project	2013-2014

Department of Humanities & Social Sciences And Management

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
MIVO Software Technology Solutions Pvt. Ltd.	Member on Advisory Board	From 05.03.2014
WorCla Tra (Management Consulting Company)	Member on Advisory Board	From 16.12.2013

Department of Mechanical Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Seasa Goa	Research and consultancy	1 year
Thermax Ltd	Research and consultancy	3 years
Central Manufacturing Technology Institute, Bangalore	Academic and research in Manufacturing Sciences	Started M.Tech Programme in collaboration
AVL LIST GmbH, Austria	ALV has provided the department with leading CFD research tools for internal research and teaching activities.	License for every one year
Mercedes-Benz, Bangalore	Academic and research in automobile Engineering	
Robert Bosch Engineering and Business Solutions	Academic and research in automobile Engineering	3 years
ISRO satellite Centre, Bangalore	Research	
Summer institute, Switzerland	Academic and Research	3 years
Volvo India	Academic and Research	3 years

Department of Metallurgical & Materials Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Bharat Heavy Electricals Limited, Bangalore	Academic – M. Tech. Project	1 year
Larsen & Toubro Special Steels, Hazira Complex, Surat	Quench Heat Treatment of Steels	March 2014 onwards
Thermet Solutions (P) Ltd., Bangalore	Heat treatment of Steels	April 2013 onwards
CSIR Lab: Central Glass and Ceramic Research Institute, Kolkata	M.Tech research project	July 2013 - April 2014

19 SIGNIFICANT ACHIEVEMENTS

19.1 Infrastructure Development

One new Teaching block of about 6,932 sqm of built up area consisting 12 classrooms, 8 Lecture halls, one seminar hall and a senate hall is under construction at an estimated cost of ₹ 23 crore. The building is expected to be completed by October 2014. (being executed through CPWD)

New Projects in pipeline

Following works shall be taken up shortly through central public works department.

- 1) New Integrated Sports Complex
- 2) New apartment for Faculty
- 3) New apartment for non faculty
- 4) New boys hostel building (10th block) of 500 single occupancy room.
- 5) New Ladies Hostel building (5th block) of 250 single occupancy rooms.
- 6) Additional building space for Library and renovation of existing library.
- 7) A New building block for Computer Science & Engineering Dept.
- 8) Vertical extension of New Mechanical building.
- 9) Vertical extension of Basic Sciences building.
- 10) Vertical extension of applied mechanics building.
- 11) Horizontal extension of P.G. Chemical building.

19.02 Notable Achievements

Department of Applied Mechanics and Hydraulics

Past achievements of Department

Sl. No.	Subject/Head of Information	Name/Title	Dates	No. of participants
1	STTP	Effective Teaching Methodologies- Statics	10 th -14 th May, 2010	66
2	STTP	Soft computing techniques in Water Resources Engineering	5 th July to 9 th July 2010	50
3	STTP	Fuzzy logic, genetic algorithm with wavelet transformation in Civil engineering	27 th June to 1 st July 2011	54
4	Workshop	Conservation of Water Resources of West Flowing Rivers of Coastal Karnataka	14 th -15 th December, 2012	120
5	Workshop	Geoinformatics for Natural Resource Management	30 - 31, January 2013	55
6	Workshop	Geoinformatics for Water and Coastal Engineering	23-24, September 2013	90
7	Symposium	Outstanding Issues for Hydrological Research in India'	21 st October 2013	112

Workshop Conducted

Sl. No.	Subject/Head of Information	Name/Title	Dates	No. of participants
1	Workshop	Geoinformatics for Water and Coastal Engineering	23-24, September 2013	90
2	Symposium	Outstanding Issues for Hydrological Research in India'	21 st October 2013	112

Visits abroad by Faculty members

Name of the Faculty	University/ Institute/ Organisation	Place	Purpose	Duration
H.Ramesh	Asian Institute of Technology	Bangkok, Thailand	Visiting Professor	Jan. – April 2013
Manu	Plymouth University	United Kingdom	Attend 12 th International Coastal Symposium-ICS 2013	8 th to 12 th April, 2013
A.Vittal Hegde	World Academy of Science Engineering and Technology (WASET)	Switzerland	Attend International Conference ICCOE-2013	30-31, July 2013
Subba Rao	International Scientific Academy of Engg. & Technology	Dubai	Attend International Journal Conference on Transport and Civil Engineering – 2013	4 th to 5 th October, 2013
Kiran G. Shirlal	International Scientific Academy of Engg. & Technology	Dubai	Attend International Journal Conference on Transport and Civil Engineering – 2013	4 th to 5 th October, 2013
Manu	International Scientific Academy of Engg. & Technology	Dubai	Attend International Journal Conference on Transport and Civil Engineering – 2013	4 th to 5 th October, 2013
B.M.Dodamani	University of Malaysia	Malaysia	11 th International Conference on Membrane Science and Technology 2013, Kuala Lumpur	27 th -29 th August 2013

Projects faculty members applied

Date Applied	Name of the Faculty	Funding Agency	Amount asked for (in Lakhs)	Research Scholar/ Project Fellow Included (YES/NO)	% Overhead Charges	Remarks Got it (Letter No.) / Rejected/ Pending
12.12.2013	G.S.Dwarakish	MOEF	250.60	Yes	20 %	Pending
17.03.2014	G.S.Dwarakish	ISRO-RESPOND	17.65	No	20 %	Pending

Department of Chemical Engg.

Achievements during 1st April 2013 to 31st March 2014
Received DST-FIST project funding sanction of Rs. 220 lakhs for five years from 2014.

**LIST OF STAFF MEMBERS VISITED TO THE FOREIGN COUNTRIES
(From 1.4.2013 to 31.3.2014).**

Sl.No.	Name of the staff	Date & Place of Visit	Purpose of Visit
1.	D.V.R. Murthy	20 th May to 28 th June 2013 Univ. Of Southern California, USA	Research interaction on Methanol economy project
2.	Prasanna B.D.	July 20 th -Aug 3 rd , 2013 University of Wisconsin- Madison (UW), USA	To attend "Khorana program Technology Transfer course 2013" funded by DST, Govt. of India.
3.	Prasanna B.D.	13 th -20 th of October, 2013 National Technical University of Ukraine, Kiev Polytechnic University" Ukraine	To pursue collaborative research project funded by DST, Govt. of India on "Probiotics".

**GUEST Lectures DELIVERED BY FACULTY MEMBERS DURING
(From 1.4.2013 to 31.3.2014).**

Sl. No.	Subject / Topic of the Guest Lecture	Lecture Delivered by (Name & Address)	Place & Event of Lecture Delivered	Dates of Lecture
1	Opportunities and challenges in Industrial Biotechnology	Prasanna B.D., Dept. of Chemical Engg. NITK	Key note lecture in "International conference on convergence of science, Engineering & management in education and research- A global perspective". DayanandSagar Institutions, Bangalore, India.	26 th September 2013
2	Nanophotocatalysis in fluidized bed reactor	Vidya Shetty K	Invited talk at National Conference on Women in Science and Engineering at Sri Dharmasthala Manjunatheshwara College of Engineering & Technology, Dhavalagiri, Dharwad	5th July to 6th July 2013
3	Two phase partitioning bioreactor for biodegradation of phenols	Vidya Shetty K	Invited talk at National Seminar on "Trends in Environmental Biotechnology and its Applications" sponsored by UGC and DBT (under Star	10-11 December, 2013

			College Scheme) organized by The departments of Biotechnology and Botany, St.Alloysius college, Mangalore	
4	Topic: Pulsed plate column as a Two phase partitioning bioreactors for wastewater treatment	Vidya Shetty K	a lecture at Faculty Development Programme on "Changing Scenario In Energy And Environment" organized by Department of Chemical Engineering, NIT Calicut	15-12-2013 to 21-12-2013.

Guest Lectures Delivered By External Experts In The College During (From 1.4.2013 To 31.3.2014).

Sl.No	Name & Affiliation of the Speaker	Title of the Talk	Dates of Lecture
1.	Ramakrishna R. Sonde Chief Technology Officer, Executive Vice President (Research, Technology & Innovation) Thermax India Ltd., Pune & executive Council as well as General Council in Board of National Board of Accreditation	Non Linear Sequence from Science to Sustainable Wealth Creation (An Example in Solar Energy Development in India)	Monday, March 4 th 2013 under Prof. M.G. Subba Rau Lecture Series, conducted by the Dept. of Chemical engg.
2	Pogadu Ravindra, Professor of Chemical engg., Director of Oil and Gas Engg., University of Malaysia Sabah	Green Engineering – A Borderless Science	15 th & 16 th April, 2013. Tequip II Phase
3	Arun Ramachandran, Assistant Professor, Department of Chemical engg. and Applied Chemistry, University of Toronto, Toronto, Ontario, Canada	Recent Progress in understanding the Stability of Vesicles dispersion	Wednesday, 21.08.2013, Expert Lecture Series on "Advances in Process Control under TEQIP II
4	K. S. Gandhi, Former Professor, Department of Chemical Engg., Indian Institute of Science, Bangalore	Nature vs Nurture : The Case of Problem Solving	Tuesday, 3 rd September, 2013
5	Ravindra Gudi, Dept. of Chemical Engg., IIT, Bombay	Basics/Preliminaries : Regulatory & Advanced Process Control	Friday 4 th October, 2013 Expert Lecture Series on "Advances in Process Control under TEQIP II
6	Ravindra Gudi, Dept. of Chemical Engg., IIT, Bombay	Nonlinear and Fuzzy Control	
7	S.Sundaramoorthy, Professor & Head, Dept. of Chemical Engg., Pondicherry Engg. College, Pondicherry	Advanced Model Identification and PID Controller using.	

8	S.Sundaramoorthy, Professor & Head, Dept. of Chemical Engg., Pondicherry Engg. College, Pondicherry	Decomposition Based Advanced Control: Coordinated MPC	
9	Ravindra Gudi, Dept. of Chemical Engg., IIT,Bombay	Control Loop \performance Monitoring	Saturday 5th October, 2013 Expert Lecture Series on “Advances in Process Control under TEQIP II
10	Ravindra Gudi, Dept. of Chemical Engg., IIT,Bombay	Inferential Estimation and Control	
11	Sanjay Dave, Honeywell Technology Solutions, Bangalore.	Industry Perspective in Process Control: Challenges and Opportunities	
12	Venkatesh Rajagopalan, General Electric Technology Centre, Bangalore	Unscented Kalman filters and Particle Filters – Concepts, theory and Applications.	
13	Venkatesh Balan, Associate Professor, Department of Chemical Engg. & Material Science, Michigan State University, USA	Integrated Method of Producing Biofuels using Oil Cakes and Lignocellulosic Biomass Seed Cover	Wednesday, 13.11.2013

Department of Civil Engineering

Past Achievements of Department

- **Mr. Vikas Chaintanya G**, student of M.Tech (Structural Engineering) has secured "Second" place in BEST PHYSIQUE (75 kg) and "Third" place in HAMMER THROW in the All India Inter-NIT Sports Meet 2014 held at NIT, Tiruchirappalli.
- **Mr. Aswin Kumar (11CM09F)** was awarded the ACCE-NIRMANA NIRVAHANE PURASKARA 2013, instituted by the Association of Consulting Civil Engineers, Bangalore Chapter, for the best M.Tech Thesis in Construction Technology and Management, submitted to any of the Universities in Karnataka, for the academic year 2012-13.
- The dissertation submitted by has been selected by the Awards Committee for **Mr. Naveen Kumar and Mr. Honnana Goudar**, students of Department attended the Second International Engineering Symposium 2013 held at Kumamoto University, Japan to present their research papers
- **Mr. Boruga Mahesh** was awarded the ACCE-Nirman Nirvahane Puraskar award, instituted by the Association of Consulting Civil Engineers, Bangalore Chapter, for the best M.Tech Thesis in Construction Technology and Management, submitted to any of the Universities in Karnataka, for the academic year 2011-12. **Dr.V.R.Sastry**, Professor, Department of Mining Engineering was the thesis supervisor.
- The M.Tech dissertation work titled, “Studies on Performance of Concrete Mixes in Acidic Environment”, prepared by **Mr.Channappa T.M.** was awarded the ACCE-Sundaram award instituted by the Association of Consulting Civil Engineers, Bangalore Chapter, for the best M.Tech Thesis in Structural Engineering submitted to any of the Universities in Karnataka, for the academic year 2011-12. **Dr. Mattur C. Narasimhan** was the thesis supervisor.

- The following students made the Department proud by securing admissions in reputed universities abroad for further studies.

Miss. Prajna Tata (B.Tech-2013) - University of Michigan, Ann Arbor
 Mr. Harsha Bharadwaj (B.Tech-2013) - University of Michigan, Ann Arbor
 Mr. Vinay Damodaran (B.Tech-2012) - Johns Hopkins University.

Achievements during 1 st April 2013 to 31 st March 2014
FIST-2013 support to the tune of INR 120 Lakh from the Department of Science and Technology, Government of India.
Successfully organized DST sponsored Project Assessment Committee (PAC) Review Meet. 5-6, February 2014

Department of Computer Engineering

Achievements up to 31 st March 2013	Achievements during 1 st April 2013 to 31 st March 2014
<ul style="list-style-type: none"> ➤ Swapan Bhattacharya, the esteemed Director of NITK Surathkal was honoured with The ET NOW National Education Leadership Award. ➤ 2nd three days workshop on “Simulation of Wired and Wireless Networks (SWN-2012)”, 20th -22th June 2012. Co-ordinator: K. C. Shet, Mr. B. R. Chandavarkar ➤ Two-Week ISTE workshop on “Introduction to Research Methodologies”, under the National Mission on Education (ICT), from 25th June - 04th July 2012, Co-ordinator: P.Santhi Thilagam, Mr. Mahendra Pratap Singh ➤ Three days workshop on “Cloud Computing and Internet of Things”, 23th-25th July 2012, Co-ordinator: K. Chandrasekaran. ➤ Three days International Symposium on “Cloud and Services Computing 2012 (ISCOS 2012)”, 16-18 December 2012, Co-ordinator: K. Chandrasekaran. ➤ Ananthatejas R., Suhas G.P, Yashwanth K.P, Sujay M, Lokananda D.M., won second prize on Ethical Hacking competition workshop, securIT 2012 at Amrita Vishwa Vidya Peetham, 	<ul style="list-style-type: none"> ➤ K.Chandrasekaran is nominated as a member in the Editorial board of IEEE transactions on Cloud Computing. ➤ K.Chandrasekaran is selected as one of the members of the “IEEE Cloud Computing STC’s conference Executive TCS Committee”, USA. <p>Students achievements:</p> <ul style="list-style-type: none"> ➤ Anirban Chakraborty and Arijit Mallik published An Windows 8 app for Microsoft NIT Surathkal Bootcamp: Appathon which is rated as Silver by Windows8Pit Crew and is in Windows Store now. ➤ Anirban Chakraborty presented a Poster Paper at Security and Privacy Symposium 2014 held at IIT Kanpur ➤ Tarun Jain presented a research paper at IEEE International Conference "Advanced Computing & Communication Technologies (ACCT-2014)" held at R.G. Society, Rohtak, Haryana. ➤ Jivak Dhadse presented a research paper at IEEE International Conference "Advanced Computing & Communication Technologies (ACCT-2014)" held at R.G. Society, Rohtak, Haryana. ➤ Sarat Chandra Prasad G got best Paper Award for the paper “Securing the

Achievements up to 31 st March 2013	Achievements during 1 st April 2013 to 31 st March 2014
<p>Coimbatore under the guidance of P. Santhi Thilagam.</p> <ul style="list-style-type: none"> ➤ Harsha Vardhana (2009-13), Guinness world record, participated in largest mobile phone gaming party involved 343 participants on 15th March 2013. ➤ IEEEExtreme Programming Contest 6.0: Team KodeKallas: Ananthatejas R (09CO12), Suhas G P, Shanshank S was ranked I in India with global rank of 91(2009-13). ➤ Ananthatejas Raghavan and Madhuri Shanbhogue received the Richard E Merwin scholarship from IEEE Computer Society. ➤ Team comprising of Chandramouli Sharma(10CO21) VIII semester B.Tech., Vivek Yadav, and Madhuri Shanbhogue(2009-13 B.Tech.), were among the top 10 for the idea of Interactive Environmental Science Platform which are already been taken up as a project in IEEE Computer Society. ➤ V. Rajaraman's Cash award to Abhinit Modi (2009-13 B.Tech.) for highest CGPA from I to VII semester for the year 2012-13. ➤ Arun V. Hegde Memorial Cash Prize for Dhivya A(10CO26),VI semester B.Tech.(CSE) and Abhinit Modi(09CO02), VIII B.Tech.(CSE) securing more than 7.5(S.G.P.A.). ➤ International Conference on "Advanced Computing, Networking and Security" during 16th - 18th December 2011. Co-ordinator: P. Santhi Thilagam. ➤ Five days AICTE MHRD Sponsored Summer School on "Next Generation Data Management", 13th June - 17th June 2011. Co-ordinator: P. Santhi Thilagam, Mr. Mahendra Pratap Singh. ➤ Five days AICTE MHRD Sponsored STTP on "Simulation of Wireless Networks", during 20th-24th June 2011. 	<ul style="list-style-type: none"> ➤ Network Topology in a Source Routing Multi Domain SDN", International Journal of Computer Applications (IJCA), ISSN: 0975-8887, Volume ICACEA - No. 3, 2014. ➤ Arun V. Hegde Memorial Cash Prize for Karthik C (11CO47), VI semester B.Tech.(CSE) and Chetan Dugar (10CO106),VIII B.Tech.(CSE) securing more than 7.5(S.G.P.A.). ➤ Mahila Samithi KIOCL "Kudremukh" scholarship to Abhishek Maheshwari (12CO108), IV semester B.Tech.(CSE). ➤ V. Rajaraman's cash Award to Chetan Dugar (10CO106), VIII B.Tech.(CSE) for highest CGPA from I to VII semester for the year 2013-14.

Achievements up to 31 st March 2013	Achievements during 1 st April 2013 to 31 st March 2014
<p>Co-ordinator: K. C. Shet, Mr. B. R. Chandavarkar.</p> <ul style="list-style-type: none"> ➤ Kalpa Vishnani M.Tech.(CSE-IS) 2009-11 received Best paper award for the paper "Detecting & Defeating Split Personality Malware" in an International Conference SECURWARE 2011, France. ➤ One day workshop for school teachers on "Information Security" on 04th February 2012, Co-ordinator: Alwyn Roshan Pais and Mr. K.Vinay Kumar. ➤ CSI Region 5 Student Convention – NITK Chapter“, E – Inclusion: Empowerment of Society through Technology” 27th – 28th March 2010. Co-ordinator: P. Santhi Thilagam ➤ Three days Workshop on Unix Network Programming – 29th – 31st March 2010. Co-ordinator: Dr. P. Santhi Thilagam. ➤ K. C. Shet and K. Chandrasekaran received: "SHIKSHA RATTAN" award. 	

Department of Electrical & Electronics Engineering

Past Achievements of Department

Sl. No.	Name	Awards Received	Institute / Organization
1	G S Punekar	Invitation and appreciation in FDP conducted by them.	Canara Engineering college Mangalore.
2	G S Punekar	Invitation and appreciation to workshop on "PD" hosted conducted by CPRI for the industry and utility people.	Diagnostic division of CPRI Bangalore
3	G S Punekar	Invited talks for 4 sessions in NITK-CPRI joint PG diploma program in a single day (Full day teaching) to participants from industry and utilities.	CCAR-CPRI Bangalore.
4	G S Punekar	Guidance sponsored UG- Project of Karnataka State Council for Science Technology (KSCST).	Karnataka State Council for Science Technology (KSCST) , IISc Campus Bangalore

Awards/Achievements (Students)

Sl. No.	Name	Awards/ Organization	Outstanding performance/ Rank in National Level competitive events (UPSC, CAT etc)
1.	Shakthiprasad D	POSOCO, National Level award for his M.Tech thesis. One among the top 10 at the National level.	By Jury panel of IIT Delhi
2	Arthi Sahaya Rones V	POSOCO, National Level award for her M.Tech thesis. One among the top 10 at the National level.	By Jury panel of IIT Delhi
3	Vinod. M. P	POSOCO, National Level award for his M.Tech thesis.	By Jury panel of IIT Delhi

Department of Electronics And Communication Engineering

Achievements up to 31 st March 2013	Achievements during 1 st April 2013 to 31 st March 2014
<ul style="list-style-type: none"> ➤ Gate 2013: Kishore Subramanian: 23rd Rank ➤ NITK was the only Indian team in the finals of the competition IFEC'13 (IEEE International Future Energy Challenge-2013) at the APEC Conference for the , project entitled "Low cost Long lifetime LED driver" by Adarsh Hasnadka (09EC06), Anirban Ghosh (09EC11), Pavan K Shetty (09EC62), Varun Reddy (09EC101) under the guidance of Dr.Ramesh Kini M. ➤ Preejit Prakash(ECE), Siddahrtha Kumar (EEE), Varun Reddy (ECE) won the first prize in the TI India Analog Design Contest 2012-2013 in the fourth edition of TI Analog Design Contest in India where 350 teams from 102 colleges for their project "Fast Response Search And Rescue Robot, Assisted Low Power WSN Net For Navigation And Detection" under the guidance of Dr.AparnaP. ➤ B. Vasudev Anand, M.Tech (R) student visited Bangkok, Thailand during 3-5 December, 2012 to present a technical paper in the IEEE International Conference on Electron Devices and Solid State Circuits. Paper title: Stub mounted loaded line phase shifter using novel RF MEMS switch. ➤ Praveen Purushothama visited as exchange student for his MTech Project at the School of Business Engineering (HEIG-VD) – 	<p>Akshay Pattabi, Summer Internship Programme at University of Göttingen, Germany through DAAD-WISE, from 20th May to 20nd July 2013</p> <p>Manyu Deshpande attended Summer Research Internship at ECAM Lyon, France, from 15th May to 17th July 2013.</p> <p>Adithya Shriram attended Finisar industrial training, at Finisar Malaysia from 13th may 2013 - 20th July 2013</p> <p>Ankith G S attended Mitacs Globalink programme in Canada from 13 May- 26 July 2013.</p> <p>Ajith did internship through Mitacs Globalink programme in Canada from 13 May- 26 July 2013.</p> <p>Rakshith Sharma S attended Summer Internship at Friedrich Alexander university-Erlangen Germany through DAAD, from 15th May to 21st July 2013.</p> <p>Spoorthi g Nayak attended MITACS intenshis at University of Calgary, canada, from 13th may to 22nd july 2013.</p> <p>S.Harika summer internship programme at university of saskatchewan Canada from May 18- July 18 2013.</p>

<p>University of Applied Sciences, from 1st to 30th November 2012.</p> <ul style="list-style-type: none"> ➤ Nishant Joshi visited University of Winnipeg, Canada to do his research work from 1st September 2012 to 28th February 2013. ➤ Anurag Ranjan attended MITACS Globalink Programme in Canada, from 10th May – 27th July 2012. ➤ Chetan Patil attended Summer Internship Programme at Technical University Munich, Germany through DAAD, from 14th May to 22nd July 2012. ➤ Shashank Uppoor, Priyanka Ganapathi and Pulagam Harichandan attended Summer Internship Programme at Dublin City University, Ireland from 26th May to 30th July 2012. ➤ Sae Tulpule attended Summer Internship Programme at ECAM, France from 15th May to 31st July 2012. 	<p>Bharath V attended Viterbi - India Summer Research Program at University of Southern California, Los Angeles, from 23th May to 15th July 2013.</p> <p>Anoop Raghav S attended research internship at CNRS-Institut FEMTO-ST, France, from 13th May to 29th July 2013.</p> <p>Amogha P attended MITACS intenship at ETS Montreal, canada, from 13th May to 27th July 2013.</p>
---	--

Department of Humanities, Social Sciences and Management

Past Achievements of Department

Faculty and Students Exchange programme with School of Business and Engineering, HEIG-VD, Switzerland.

Bijuna C. Mohan and eleven students of the MBA programme from the Department of HSSM participated in a International Summer University program 2013, in Business Engineering and Intercultural Communication (SUBEIK 2013) at the University of Applied Sciences, Western Switzerland, School of Business and Engineering Vaud (HEIG-VD), Switzerland from 8 to 19 July 2013 as part of MOU, between NITK with HEIG-VD, Switzerland.

Department of Mining Engineering

Past Achievements of Department

Some of the faculties were selected by Department of Science & Technology, Govt. of India for “Interactive Meet of Indian Research Scholars with European and Indian Science icons” and also received “Certificate of Appreciation “ from MentorNet, the E- Mentoring network for diversity in Engineering and Sciences, USA.

The faculties of the Department have received “Certificate of Merit” from the Institution of Engineers (India) for several papers published in the Journal of the Institution of Engineers (India). Further, some of the faculties have also received “Career Award for Young Teachers” from AICTE, “Young Scientist Award” from Ministry of Science and Technology, Government of India, “Engineering Gold Medal” from Institute of Engineers (India) and D.N. Thakur award from MGMI for outstanding contribution to mining industry. Some of them are either Editors or Editorial Board Members of reputed National and International Journals. A number of faculties of the department are also serving as reviewers of several

professional journals of national and international repute. The faculty of the Department is also holding key positions in Board of Directors of reputed Public sector undertakings.

Achievements during 1st April 2012 to 31st March 2013
<ul style="list-style-type: none">• HarshaVardhan is the main author of the Book "Rock Engineering Design Property and Application in Sound Waves published by Taylor and Francies.
<ul style="list-style-type: none">• HarshaVardhan offered Online MPTEL Course on "An Introduction to Underground Mine Environment and Ventilation".
<ul style="list-style-type: none">• HarshaVardhan and Dr. M. Aruna are working with Govt. of Karnataka in connection with Lease Boundary mine survey.
<ul style="list-style-type: none">• HarshaVardhan reviewed papers for Safety Science and IJRM Journals.
<ul style="list-style-type: none">• HarshaVardhan is an Editorial Board Member of Journal of Mining and Mineral engineering.

Department Of Mechanical Engineering

Past Achievements of Department (Important ones in past 3 yrs)

- The department had started M.Tech Program in Design and Precession in collaboration with Central Manufacturing Technology Institute, Bangalore
- The department has got to its credit the research projects granted by AICTE, DST and ARDB
- The department has conducted workshop and training for teachers in technical institute
- The department engaged in consultancy work
- The department has collaborated with industries to aid research, training and academic
- Deputed 7 faculties to pursue PhD at various IIT's.

Achievements during 1st April 2012 to 31st March 2013
<ul style="list-style-type: none">• Six PhD degree has been awarded• Published 52 papers in international Journals, 44 papers in international conferences and 4 papers in national conferences• Volvo has entered into an academic and research partnership with NITK• External funded projects worth Rs. 1118.8 Lakhs• Conducted one international conference, four national workshops and two STTPs• Four new faculty members joined in the department.

Department of Information Technology

Achievements during 1st April 2013 to 31st March 2014
<ul style="list-style-type: none">• Eleven batches of UG (B.Tech) and Two batch of PG(M.Tech) students have successfully completed their graduation in IT stream so far.
<ul style="list-style-type: none">• Around 90% placements in B.Tech during 2013-2014 and 73% placements in M.Tech during 2012-13.

Department of Chemistry

Achievements during 1st April 2012 to 31st March, 2013
<ul style="list-style-type: none">• The department received the Single Crystal X-ray diffractometer, costing Rs. 155 lakhs under DST-FIST, to facilitate single crystal X-ray diffractometer in the department. (Five year project). The instrument has been successfully installed and is working satisfactorily. The UPS and AC facilities have been set-up.

Department of Metallurgical and Materials Engineering

Past Achievements of Department

- Accreditation of two PG and one UG programmes for 5 years by NBA
- Produced 5 Ph.Ds.
- Secured Ministry of Steel Scholarship and Professor's Chair
- Published 138 research papers

Achievements up to 31 st March 2013	Achievements during 1 st April 2013 to 31 st March 2014
Total no. of Ph.Ds = 23	1
Total No. of Paper Published = 324	Total No. of Paper Published = 51

Addition(s) to Building Infrastructure

Department Civil Engineering

- Additional teaching block: Third floor to extended portion of the Department. 2nd floor of Industrial structural laboratory.
- Proposal for additional space in vertical expansion of the Applied Mechanics Block.

Department of Computer Engineering

- Western Teaching Block under construction.
- Construction of new department building for the CSE department Rs.10 crores deposited with CPWD for construction. Total estimated Rs. 33 crores.
- Construction of 2nd floor over CSE Annex building is in progress.

Department of Electrical & Electronics Engineering

- By partitioning the available free space in the department, faculty rooms are created to accommodate new faculty members.

Department Of Mechanical Engineering

- New Labs Setup
 - Remote Triggered Lab on Mechanical vibrations
 - Virtual Instrumentation Lab
 - Virtual lab in Mechanisms of Machines
 - Virtual Lab in Machine dynamics & Vibration
- Annual maintenance contract for all computing facilities (Facility Management Institute level)
- Annual maintenance contract for UPS and Air-conditioning equipments of laboratories.

Department of Metallurgical & Materias Engineering

Special talk from Industries/R&D

1.	Sathyapal Hegde ITC Level 2 Thermographer & Director, Prsanna Technologies Pvt. Ltd., Bangalore	Industrial Thermography	08-04-2013
2.	B. V. Prakash Senior Manager KIOCL, Panambur, Mangalore	Iron Ore Pelletization	17-04-2013
3.	Punkaj K. Bajaj Ex. MD & CEO Durgapur Steel Plant	Recent Developments in Iron Steel Technology	29-10-2013
		Steel Industry: Status and Issues	29-10-2013
		Developing Habits for Successful Career	30-10-2013
4.	Baba Pai Director Institute of Technology & Management Universe, Vadodara	Failure Investigation – An Effective Tool	08-11-2013
5.	T. R. Ramachandra Rao Former Executive Director Kudremukh Iron Ore Company Ltd.	Beneficiation of Indian Iron Ores	13-03-2014
		Iron Ore Pelletisation	14-03-2014

CHEMICAL ENGINEERING

Details of Book written by Full time faculty members

Sl.No.	Name of the Faculty members	Name of the Book	Publication name	Year of Publication
1	Rajeshwari M. Kulkarni, Dr. G. Srinikethan Vidya Shetty K.	A Chapter on “Biosorption of Nickel(II) from aqueous solution using Bacillus laterosporus” in Prospects in Bioscience: Addressing the issues:	Springer, India	2013
2.	I. Regupathi	A Chapter on :Fish- processing industrial effluent characterization and partitioning of proteins using aqueous two-phase systm: in Prospects in Bioscience: Addressing the issues	Springer India	2013

Department of Mechanical Engineering

Book Chapter contributed

Author(s)	Title of Chapter	Publication details
D. Saravana Bavan, Mohan Kumar G. C	Chapter 4: Maize-Natural Fiber as Reinforcement with Polymers for Structural Applications	Biopolymers, Biomaterials, and their Composites, Blends, and IPNs, Volume- 2, Recent Advances in Materials Sciences book series, Apple Academic Press, Inc. Spring 2012
B. V. Raghu Vamshi Krishna, Navin Karanth P, S. M. Kulkarni	Pneumatic pressure sensing with PVDF film	Lambert Academic Publishing. 2013, ISBN: 978-3-659-37935-2

Department of Physical Education & Sports

Physical Education and Sports:

Institute teams formed, trained and coached were allowed to participate in different Taluk, District, State and National level tournaments/ Competitions.

1. Dasara Tournaments: Basketball(Men) District: Runners-up, Badminton(Men & Women) District Runners-up, Table Tennis (Men) District: runners-up.

2. DK District Basketball Association conducted James Neighsmith Intercollegiate Basketball Tournament: Institute Men Basketball team was Runners-Up. Association cup 3 district Inter collegiate Basketball tournament: Men team were Winners. NITK Cup Invitational Inter Collegiate Basketball Tournament conducted during November, 2013- Winners. B S A Kumar Inter Collegiate Basketball Tournament Conducted by Yenepoya University: Institute Men Basketball Team were Winners. Zest All India Inter Collegiate Basketball Tournament conducted by Gove College of Engineering, Poona: Winners. B C Alva Memorial state level Inter collegiate Basketball tournament held at NMAMIT Nitte: Runners-Up. Slam Dunk South zone inter collegiate Basketball Tournament conducted during 05th to 09th March, 2014- Institute Men Basketball team is a winner.

Ragam Cup inter Collegiate Basketball Tournament held at NIT Calicut: Men- Winners, Women- Runners-Up.

3. All India Inter NIT Sports in Football and Table Tennis have been organized by our Institute: Our Institute Football (Men): Winners, Table Tennis(Women): Winners and Table Tennis(Men): Runners-Up. Other results of All India Inter NIT Tournaments held at other NITs: Aquatics(Men) : Team Championship winners, Ball Badminton(Men)- Runners-Up, Ball Badminton (Women)- Runners-Up, Basketball(Men) – Runner-up, Carom(Men): Runners-up, Throwball(Women) – Runners, Tennis (Men): Runners-Up, Tennis (Women)-Runners-Up and Volleyball(Women): Winners. Due to excellent performance we won Overall Championship Runners-Up this time.

5. Spike Fest, Invitational Inter Engineering collegiate Volleyball Tournament: Women team: Runners. Intra-Mural Competitions in Aquatics and Athletics conducted during the month of January, 2014 attracted large number of student participants. Prize money, Medals and Certificates were distributed to 3 place winners of each event. Institute Aquatics and Athletics teams were selected on the basis of these results. Phoenix, a gala of sports (An Inter year competitions for students) has been conducted in the even semester and by enthusiastic huge participation, students responded overwhelmingly and spontaneously.

20 ASSOCIATED CENTRES

20.1 National Institute Of Technology Karnataka (STEP)

NITK is equipped with a Science & Technology Entrepreneurs Park (STEP) in a separate earmarked zone of the vast complex of NITK. STEP has been formed as an independent registered society in the year 1994 by the erstwhile KREC. It became functional in 1998 by setting up its administrative & entrepreneurs' block along with other required infrastructure. Since 2005 it is a self-sustaining entity.

Vision:

Entrepreneurship development through Business Incubation, by promoting innovation and skill enhancement in a value driven and service focused environment-targeting benefits to all the participating agencies.

Goals:

- To create healthy startup technology ventures through Business Incubation
- To capitalize on the Intellectual base at the academia to develop competitive business units
- To nurture & grow the spirit of Techno Entrepreneurship & Entrepreneurial thinking through promotion of appropriate training programs and capacity building
- To create healthy collaboration amongst Technologists, Entrepreneurs & Financiers for mutual benefits.
- To reach out to young unemployed youths in the region & improve employability by imparting Technology based Skill Development Programs
- To gear up as an “ Outreach Center” to interface with innovators & government bodies supporting innovators through different programs to nurture and capitalize on the potential for innovation in the region
- To constantly improve the quality of value adding services to our clients/stakeholders to sustain competitiveness and need to evolve as a self-sustaining body.

Status of occupancy by Incubatee units in 2013-14:

Sl. No	Unit Size	Name of the unit	Technology Domain
1	500 sq.ft	Expert Vision Labs Pvt Ltd	Imaging Technology Products
2	400 sq.ft	Southcan Software	Development & customization of Web based applications to industry needs
3	150 sq.ft	Mars Tech	Development of Portable Plastic Bottle crusher.
4	150 sq.ft	I yanthram Pvt Ltd	Development of Android based applications
5	500 sq.ft	NGCN Infosolutions Pvt Ltd.	Networking and Cloud computing applications
6	500 sq.ft	Pixelabz	Multi Media applications

Unit successfully moved out of STEP in 2013-14:

The company “Omnesys Technologies Pvt Ltd” engaged in the development of software for the financial market segment having earned a good name for its products in the different market segments moved out successfully. This company has now established its full-fledged operational division at Mangalore, serving as a good source of employment to students of technology institutions in the neighborhood and knowledge workers of the region.

Unit entered into STEP in 2013-14:

The unit “NGCN Info solutions Pvt Ltd” with the plan to develop applications for Networking & Cloud computing entered into STEP.

Few achievements of worth mention secured by STEP Entrepreneurs supported under the MSME scheme “Support for Entrepreneurial & Managerial Development of SMEs through Incubators”

Sl. No.	Brief Description of the success story
1	<p>Product: Automated Colony Analyzer & Counter (Bacterial Colony Counter) Unit: Expert Vision Labs Pvt Ltd Salient features of achievement on the technology front: -Product belongs to the Imaging technology domain -Product is marketed as an integrated assembly ready for usage by the customer -Import substitution product. Imported product is priced at about Rs 6 lakhs as against this developed product market launch price of Rs 3 lakhs. -Field testing of the product is going on since the last six months at Bombay Veterinary college, Parel, Mumbai -Target markets for the product are Pharmaceuticals, Biotech, Food Processing, Medical colleges/universities & Research Labs. -Field Demonstration of the Product by Mr Naveenchandra, Director, Expert Vision Labs Pvt Ltd.</p>
2	<p>Product: Auto Weeder, 2 Stroke Driven Weeding Machine for Paddy fields Name of the Unit: Mangalore Robautonics Pvt Ltd Few unique features of the innovation: -Variable width control mechanism to vary the width between the rows of rice crops. -At one go two rows can be weeded -Weeds are completely uprooted from the soil resulting in 85% weeding efficiency -Employs unique teeth design where load on the engine is cut down resulting in fuel saving -Results of field trials are good -Product is ready for commercial launch</p>
3	<p>Product: Software driven MIS for Milk Producers Co-operative Societies in Rural Areas Unit: Southcan Software Features of the product: This customer friendly software was developed mainly with the intention to bring in scientific approach & systematization to administer day to day activities at Milk Producers Societies situated in the rural belts of Karnataka</p>

<p>Though this generic version software product has been successfully developed after studying the different activities at one of the Milk Producers Co-operative societies, the developed software can be customized with little efforts to the specific requirements of individual clients.</p> <p>The software has been successfully installed at Milk Producers Co-operative Society, Shankaranarayana, Udupi District, Karnataka. All the designed & developed modules are working satisfactorily generating reports</p>

Business Plan Competition organized by STEP at NITK:

This annual event of All India Level Business Plan competition for students of technology, management, medical science, agricultural science and general science being organized by STEP each year was held in February 2014. About 50 proposals from student teams from institutions across the country were received. 10 short listed Business Plans were presented to a panel of jury by the respective student teams. The winners were accorded prize money of Rs 50000/, Rs 35000/ and Rs 20000/ as first, second and third prizes respectively. In addition five consolation prizes of Rs 5000/each were also accorded to encourage students to come up with innovative business ideas those can be further explored for developing into viable business plans.

Faculty Development Programs Held in the region:

STEP each year conducts this program at different locations of the region in order to influence faculty awareness about the growing importance of nurturing amongst students entrepreneurial talents, capacity for innovation, need to equip the faculty with the required qualities/attitudes to productively realize the benefits of projects that demand collaborative work culture for effective realization of the goals of interdisciplinary technology domains work culture, capacity to formulate and frame technology dependent project proposals of commercial/industry significance and capitalizing on the potential for the acquisition of IPRs at the academia.

One program of 9 days duration was held in December 2013 at STEP for newly inducted faculty at NITK. The second program of same duration was held at Srinivas Group of Colleges at Pandeshwar, Mangalore. Resource persons were drawn from amongst professionals/practitioners from the industry, academia, alumni, government and financial institutions. An industry visit to well-known industry of the region was also undertaken as a part of the program.

20.2 Research & Development Centre For Clay Roofing Tiles, Bricks And Other Ceramic Products.

1. ACTIVITIES :

- Received many enquiries for renting the machinery for interlocking pavement and wall blocks. Attempts are on to sign MOU for the same.
- Talks are underway to strike understanding with granite quarry owners to transfer technology of making masonry soil blocks with quarry dust.
- The M.O.U. with M/s Integrated Blocks & Bricks, Mangalore for "Utilization of the production facility of R & D Centre for the manufacture of various cement based / concrete building products" completed successfully.
- One Ph.D work on "Strength of concrete subjected to high temperature" which is a part of BRNS Project is completed successfully using the furnace available.

2. Technology is available for transfer for the following products:

Sl. No.	Product Details	Technology Status
1.	Bricks	Ready
2.	Hollow Blocks	Ready
3.	Cavity Bricks	Ready
4.	Hollow Roof Block	Ready
5.	Roof Tiles	Ready
6.	Decorative Tiles	Ready
7.	Pavement Block	Ready
8.	Interlock Wall Block	Ready

3. Facilities at R & D Centre:

1. Muffle Furnace	16. Planetary Mixers
2. Pot Mill Racks	17. Hydraulic Press
3. Jaw Crusher	18. Mixing Tank with Scrap Blunger
4. Electronic Balance	19. Roto Pump
5. Moisture Meter	20. Pilot Level Kiln
6. Sieve Shaker	21. Hydraulically Operated Concrete Block Making machine with Triple Vibrator
7. Weighing Balance	22. Ram and Mould
8. Ball Mills	23. 10/7 CFT Concrete Mixer
9. Discharge Tank with Agitator	24. Wheel Borrows
10. Pilot Level Kiln	25. Hand Operated Concrete Block Making Machine With Moulds
11. Ferro Filter	26. Hydraulic Block Cutting Machine
12. Filter Press	27. Vibrating Earth Rammer
13. Diaphragm Pump	28. Soil Block Interlock wall Block making Machine
14. De-Airing Pug Mill	29. Screener
15. Granulator / Pulveriser	30. Pulveriser

4. Services Offered:

1. Technology development and transfer
2. Hands on training for entrepreneurs.
3. Providing processing facilities on rental basis to existing industrialists and new entrepreneurs.
4. Research and consultancy in establishing similar kind of facilities using different kinds of waste.
5. Undertake manufacture and supply of Bulk orders on custom designed corporate gifts, made from eco-friendly materials.
6. Manufacture & Sale of building products made from industrial wastes and conventional materials.

21.0 FINANCE AND ACCOUNTS

The Financial Status

SOURCE OF FUNDS

- 1) Ministry of Human Resource Development, New Delhi.
(Rs. In Lakhs)
- Non Plan grants 5200.00
 - Plan grants 7300.00
 - Project grants 205.82

EXPENDITURE POSITION FOR LAST THREE YEARS

Year	Plan	Non-Plan	Total Rs. In lakhs
2011-12	4,224.94	5,249.38	9,474.32
2012-13	7,031.75	6,475.97	13,507.72
2013-14	4,671.77	7,319.30	11,991.07
Total	15,928.46	19,044.65	34,973.11

FINANCE AND ACCOUNTS DETAILS

BALANCE SHEET AS AT 31-03-2014			
PARTICULARS	SCH. NO.	(AMOUNT - Rs.)	
		CURRENT YEAR	PREVIOUS YEAR
<u>SOURCES OF FUNDS:</u>			
CORPUS		-	-
GENERAL FUND	1	2,79,05,44,378	2,50,57,47,552
DESIGNATED / EARMARKED FUNDS	2	1,16,51,65,900	77,03,93,939
CAPITAL FUND	3	27,97,60,186	23,61,39,916
<u>LOANS / BORROWINGS</u>			
Secured		-	-
Unsecured			
CURRENT LIABILITIES AND PROVISIONS	4	37,37,76,371	25,76,81,952
TEQIP PROJECT.		18,42,37,765	18,42,37,765
TEQIP PROJECT - PHASE II		4,76,02,933	5,85,98,044
TOTAL		4,84,10,87,533	4,01,27,99,168
<u>APPLICATION OF FUNDS:</u>			
<u>FIXED ASSETS:</u>			
	5(A),(B)		
Tangible Assets		2,16,75,98,458	2,15,18,94,870
Intangible Assets		-	-
Capital Work-In-Progress		7,71,11,988	5,62,54,481
<u>INVESTMENTS:</u>			
	6		
Long Term		1,03,63,11,929	81,33,05,888
Short Term		-	-
CURRENT ASSETS	7	18,49,05,560	18,73,90,045
LOANS, ADVANCES & DEPOSITS	8	1,14,33,18,900	56,11,18,075
TEQIP PROJECT.		18,42,37,765	18,42,37,765
TEQIP PROJECT - PHASE II		4,76,02,933	5,85,98,044
TOTAL		4,84,10,87,533	4,01,27,99,168

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2014					
PARTICULARS		CURRENT YEAR			PREVIOUS YEAR (GENERAL FUND)
		Designated Fund (including Corpus Fund) (Schedule 2)	SCH. NO.	General Fund	
INCOME:					
Academic Receipts			9	21,60,67,859	20,55,12,732
Grants & Donations		73,50,93,700	10	64,13,79,820	38,62,38,249
Income From Investments		6,45,04,069		-	-
Other Income		9,44,99,219	11	7,21,82,735	7,94,82,050
Other Research Projects				1,84,05,702	1,63,55,520
TOTAL (A)		89,40,96,988		94,80,36,116	68,75,88,551
EXPENDITURE:					
Staff Payments & Benefits		15,72,308	12	52,34,31,951	57,80,27,924
Academic Expenses			13	13,37,28,879	76,53,190
Administrative & General Expenses		2,64,89,570	14	16,13,35,916	13,40,56,732
Transportation Expenses			15	9,61,627	9,38,838
Repairs & Maintenance			16	4,65,43,620	4,12,29,476
Finance Cost		-		-	
Other Expenses		47,12,63,148	17	31,29,26,304	23,35,25,138
TOTAL (B)		49,93,25,026		1,17,89,28,297	99,54,31,298
BALANCE:					
Balance being Excess of Income over Expenditure					
transferred to respective Designated Funds	(A-B)	39,47,71,961			
Balance being Deficit carried to General Fund	(A-B)			23,08,92,181	30,78,42,747
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS					

Receipts & Payments for the year ended 31.03.2014

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
Opening Balances:					
(a) Cash in hand	80,336	1,35,585	(a) Establishment Expenses	47,30,01,259	47,17,13,003
(b) Bank Balances:			(b) Administrative Expenses	33,82,60,096	20,36,51,545
(i) In current accounts	1,47,15,776	15,34,55,411			
(ii) Savings accounts	5,07,84,655	27,06,17,162	Payments made against Funds for various projects:	1,30,44,39,694	81,58,48,734
Grants Received:					
(a) From Govt. of India & Other	1,11,13,52,967	67,86,67,128	Expenditure on Fixed Assets & Capital Work - in - progress:	24,97,38,121	23,30,76,789
Income on Investments.	1,34,50,051	1,58,79,163			
Interest Received :	23,95,472	1,02,39,415	Other Payments :	11,65,65,056	43,61,51,503
Other Income:	40,84,88,416	27,18,97,155	Any Other Payments :	2,21,59,77,447	1,75,92,85,138
Any other receipts:	3,27,61,34,715	2,58,44,16,460	Closing Balances:		
			(a) Cash in hand	32,738	80,336
			(b) Bank Balances:		
			(i) In current accounts	7,36,74,809	1,47,15,776
			(ii) Savings accounts	10,57,13,168	5,07,84,655
TOTAL	4,87,74,02,388	3,98,53,07,479	TOTAL	4,87,74,02,388	3,98,53,07,479