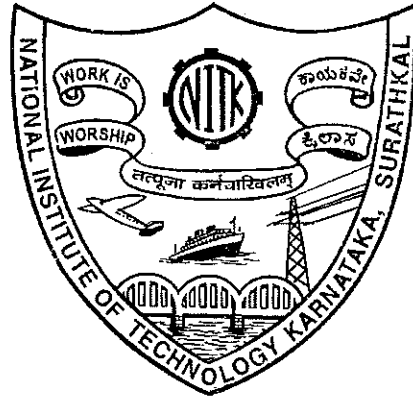


National Institute of Technology Karnataka Surathkal
Mangalore - 575 025, INDIA



ANNUAL REPORT
2012 - 2013

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
15 Supporting Centers
250 highly qualified and dedicated faculty
400 committed supporting staff
5076 talented and motivated students

DIVISIONS AND DEPARTMENTS

Division of Civil Engineering Systems
Applied Mechanics and Hydraulics
Civil Engineering
Mining Engineering

Division of Electrical, Electronics and Computing Systems

Computer Engineering
Electrical and Electronics Engineering
Electronics & Communication Engineering
Information Technology

Division of Mechanical and Chemical Systems

Chemical Engineering
Mechanical Engineering
Metallurgical & Materials Engineering

Division of Basic Sciences, Humanities, Social Sciences and Management Systems

Physics
Chemistry
Mathematical & Computational Sciences
Humanities, Social Sciences and Management.

Academic Programs

B.Tech. – 9 disciplines
M.Tech. – 24 Specializations
M.Tech. (Research) – All Specializations
MBA

MCA

M.Sc. (Chemistry)

M.Sc. (Physics)

Ph. D. – offered in all departments

All the 9 UG programmes and 16 PG programs that have completed 5 years of existence have been accredited by NBA in 2008, most of them with the highest rating. All the Departments of the Institute are recognized QIP centres for admission of teachers of both Engg. colleges and Polytechnics for their post-graduates & 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

100 + Classrooms, 100+ laboratories
11 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 (2012-13)

Total Financial Outlay Rs. 6452.82 Crores
Internal Revenue Generated Rs. 2657.83 Crores
Consultancy & Testing Earnings Rs. 3.26 Crores
Corpus Fund of more than Rs. 47.70 Crores

PUBLICATIONS (2012-13)

International Journals – 334
National Journals – 34
International Conference – 225
National Conference – 86

DOCTORAL OUTPUT

2010-11 – 40 candidates
2011-12 – 16 Candidates
2012-13 – 33 Candidates
Doctoral students on rolls – 398

MoUs between NITK, Surathkal and other Universities/Organizations.

Karnataka State Bio fuel Development Board, Government of Karnataka, Bangalore on April 5, 2012 for establishment of information & Demonstration Centre at NITK, Surathkal for promoting R&D on Bio-Fuels in Dakshina Kannada District of Karnataka State.

MOUs between Foreign Countries.

MITACS INC, of Canada on Nov 7, 2012 .
National Technical University of Ukraine “KYIV POLYTECHNIC INSTITUTE” on Nov 22, 2012 .

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. Rs. 125 million 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 30 centrally funded institutions for UG and PG programmes. A completely online process developed and implemented by NITK during 2010-11, 2011-12 & 2012-13.

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 “ENGINEER” are popular cultural and technical annual festivals. NITK won the overall championship of Inter NIT Sports consecutively for the last 3 years.

SCHOLARSHIPS & MEDALS

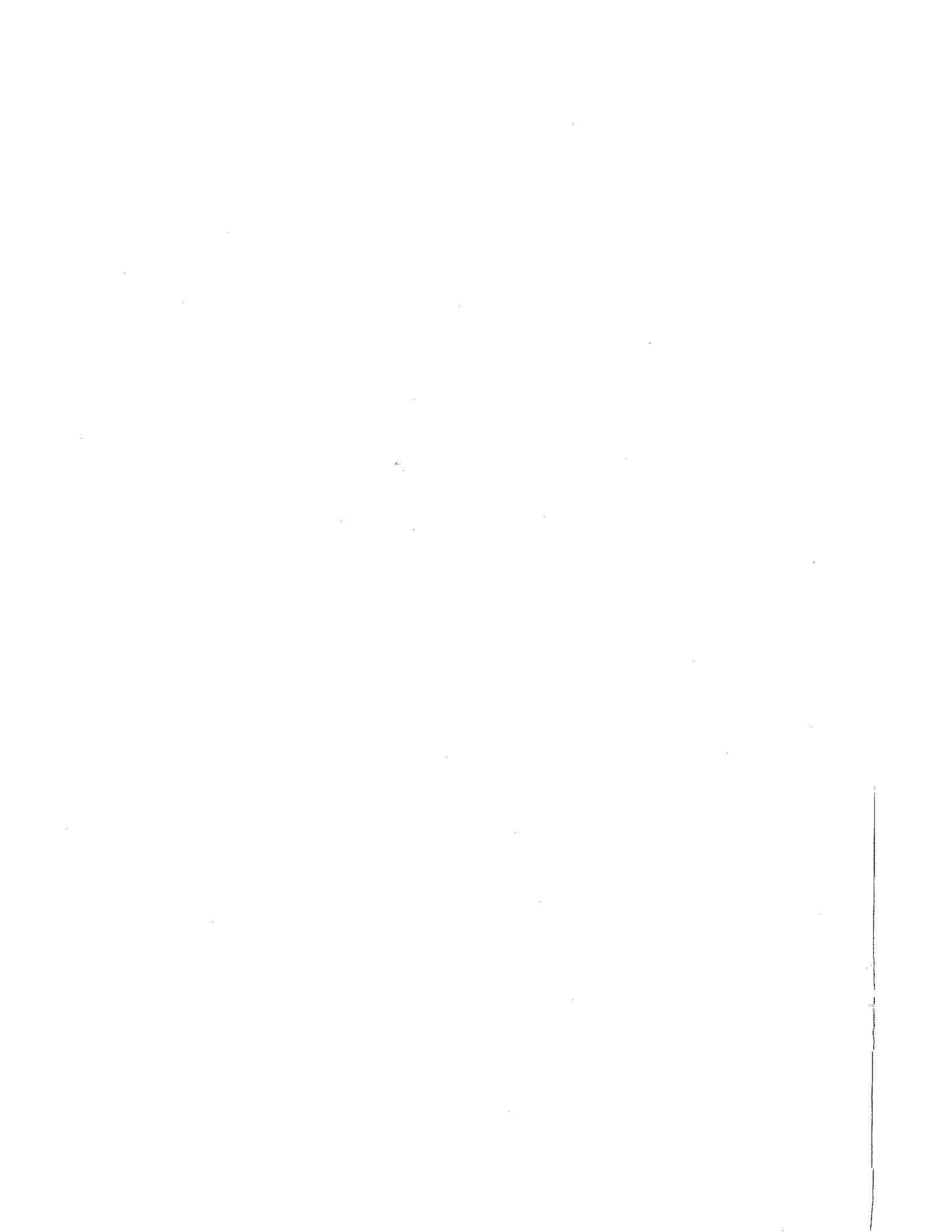
Several well known and prestigious scholarship (25) awards and medals (35) are on offer for students at all levels. This is in addition to all regular scholarship of Govt. of India and Other State Governments. SPARSH and several other scholarship opportunities.

TRAINING AND PLACEMENT

NITK is ranked among the top institutions for student placements. During 2012-13 about 180 companies visited. UG placements 82%, PG placement 33% Internships provided within India and Abroad.

Annual Report 2012-2013

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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, 07 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.

1.0 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 woman, 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 | |

BOARD OF GOVERNORS

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

National Institute of Technology Karnataka, Surathkal

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

FINANCE COMMITTEE

1. Shri Sushil Chandra Tripathi,
Former Secretary, Ministry of HRD,
House No: 27, Sector 15- A,
Noida – 201301(Uttar Pradesh) Chairman

2. Sri Mudda Kedarnath,
Advisor – Aditya Birla Group,
#17, Shankar Nilaya,
8th Main , 18th Cross,

Upper Palace Orchard,
Sadashivnagar,
Bangalore-560080. Member

3. Ms. Amita Sharma,
Additional Secretary,
Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education Bureau
Shastri Bhavan, New Delhi – 110 001

4. Sri 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

5. Prof..K.N.Lokesh,
Professor,
Dept. of Civil Engineering,
NITK, Surathkal.

6. Prof. Swapan Bhattacharya,
Director,
N.I.T.K. SURATHKAL.

7. Sri K.Ravindranath Member Secretary
Registrar i/c
N.I.T.K., SURATHKAL

BUILDING AND WORKS COMMITTEE

1. Prof. Swapan Bhattacharya Chairman
Director,
N.I.T.K., Surathkal,
Post Srinivasnagar-575 025.

2. Sri K Uday, Member
Principal Chief Architect,
PW, P and IWTD, State PWD
K R Circle, Bangalore – 560 001

National Institute of Technology Karnataka, Surathkal

- | | | |
|----|---|------------------|
| 3. | Prof. Lakshman Nandagiri ,
Dean (P&D),
NITK, Surathkal, Mangalore – 575 025, | Member |
| 4. | Sri.K N Chandra Prasad
Executive Engineer,
Central PWD, Mysore Central Division,
T.Narasipura Road, Siddarthnagar,
Mysore- 570 011. | Member |
| 5. | Sri.V K Khetan,
Executive Engineer (Ele),
CPWD, BCED – II, Kendriya Sadana
Koramgala, Bangalore – 560 054 | Member |
| 6. | Sri. K Ravindranath
Registrar, i/c
NITK, Surathkal,
Post Srinivasnagar,
Mangalore-575 025 | Member Secretary |

OTHER COMMITTEES

SENATE

- | | | |
|----------------------------|-----|-----------|
| Swapan Bhattacharya, Ph.D. | ... | Chairman |
| Sri. K Ravindranath | ... | 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

- | | |
|----------------------------|---------------------------------|
| Swapan Bhattacharya, Ph.D. | Ananthanarayana V.S., Ph.D. |
| A. Kandaswamy, Ph.D. | G. Ram Mohana Reddy, Ph.D. |
| N. Lakshman, Ph.D. | Murulidhar N.N., Ph.D. |
| S. Sumam David, Ph.D. | Keshava Prasad Halemane , Ph.D. |
| Gopal Mugeraya, Ph.D. | Robert John D'Souza, Ph.D. |
| G. Umesh, Ph.D. | S.M. Hegde, Ph.D. |

National Institute of Technology Karnataka, Surathkal

- Subba Rao, Ph.D.
M.K. Nagaraj, Ph.D.
S. G. Mayya, Ph.D.
A. Vittal Hegde, Ph.D.
A.Mahesha, Ph.D.
Dwarakish G.S., Ph.D.
Kiran G.Shirlal, Ph.D.
Katta Venkataramana, Ph.D.
A.U. Ravi Shankar, Ph.D.
R. Shivashankar, Ph.D.
K.N. Lokesh, Ph.D.
M.C. Narasimhan, Ph.D.
D. Venkat Reddy, Ph.D.
K.Swaminathan, Ph.D.
Varghese George, Ph.D.
S. Shrihari, Ph.D.
Sitaram Nayak, Ph.D.
Subhas C. Yaragal, Ph.D.
K.S. Babu Narayan, Ph.D.
Vidya Shetty, Ph.D.
D.V.R. Murthy, Ph.D.
G. Srinikethan, Ph.D.
M.B. Saidutta, Ph.D.
A.Chitharanjan Hegde, Ph.D.
A. Nityananda Shetty, Ph.D.
A.V. Adhikari, Ph.D.
D.Krishna Bhat, Ph.D.
B.Ramachandra Bhat, Ph.D.
Annappa, Ph.D.
K. Chandrashekar Shet, Ph.D.
K. Chandrasekaran, Ph.D.
Muralidhar Kulkarni, Ph.D.
M.S. Bhat, Ph.D.
U.Sripati, Ph.D.
John D'Souza, Ph.D.
K. Panduranga Vittal, Ph.D.
Udayakumar R.Y., Ph.D.
Shashikantha K, Ph.D.
A.H. Sequeira, Ph.D.
K.B.Kiran, Ph.D.
K Rajendra Udupa, Ph.D.
- Santosh George, Ph.D.
Prasad Krishna, Ph.D.
G.C. Mohan Kumar , Ph.D.
P. Mohanan, Ph.D.
T.P. Ashok Babu, Ph.D.
H. Suresh Hebbbar, Ph.D.
S.M. Kulkarni, Ph.D.
Gangadharan K.V., Ph.D.
Ravikiran Kadoli, Ph.D.
Vijay Desai , Ph.D.
Narendranath S, Ph.D.
K. N. Prabhu, Ph.D.
A.O. Surendranathan, Ph.D.
Jagannath Nayak, Ph.D.
Arun M, Ph.D.
V. Rama Sastry, Ph.D.
Ch.S.N. Murthy, Ph.D.
M. Govinda Raj, Ph.D.
N.K.Udayashankar, Ph.D.
Kasturi V. Bangera, Ph.D.
G. K. Shiva Kumar, Ph.D.
H.D. Shashikala, Ph.D.
Sri P.G. Mohanan
Smt Anusuya Chakari
Dr.Krishna Kant Prasad Spl. Invitee
Ms.Sneha S Kudli ... Spl. Invitee
Ms.Vinutha K Spl. Invitee
Mr.K.Ravindranath Secretary

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

Constitution:

- | | |
|--|----------|
| 1. Dean (Academic) | Chairman |
| 2. Dean (Administration) | Member |
| 3. Dean (Planning & Development) | Member |
| 4. Dean (Students' Welfare) | Member |
| 5. Dean (Research & Consultancy) | Member |
| 6. H.O.D. of DUGC/DPGC/DRPC Chairpersons | Members |

National Institute of Technology Karnataka, Surathkal

7.	BOG member representing the faculty	Member
8.	Dr. V Ramachandra	Member
9.	Prof. N B Ballal	Member
10.	Dr. Lillykutty Jacob	Member
11.	Prof. K B R Varma	Member
12.	Registrar	Member
13.	Associate Deans	Members
14.	Dy. Registrar (Academic)	Secretary

QUARTERS ALLOTMENT COMMITTEE

1.	Sandeep Sancheti, Ph.D., Director till 31.7.2012 Swapan Bhattacharya, Ph.D., Director from 1.8.2012	President
2.	K. C. Shet, Ph.D., till 17.1.2013 A Kandasamy, Ph.D., from 18.1.2013	Chairman
4.	Sri.Suresh Kumar Y BOG Member	Member
5.	Sri. Shashidhar Shetty, RE	Member
6.	M Govinda Raj, Ph.D., Registrar till 11.11.2012 Sri. K Ravindranath, Registrar i/c from 12.11.2012	Member
7.	Sri Laxminidhi T	Member
8.	Sri K.Ravindranath, Dy. Registrar (Academic)	Member
9.	Sri C.Vairavanathan, Programmer	Member
10.	H.D. Shashikala, Ph.D.	Member
11.	Sunil B M, Ph.D.	Member

INSTITUTE GRIEVANCE COMMITTEE

1.	K P Halemane, Ph.D., Prof. Dept of MACS, till 29.1.2013 A Nithyananda Shetty, Ph.D., from 30.1.2013	Chairman
2.	K.R. Udupa, Ph.D., Professor, Dept. of Met. & Mat. Engg.	Chairman
3.	A.C. Hegde, Ph.D., Asst. Professor, Dept. of Chemistry	Member
4.	N.S.V. Shet, Ph.D., Dept. of E&C Engg.	Member
5.	Mrs. Pushpalatha, Foreman, Dept. of E&C Engg.	Member
6.	Mrs. Shashikala D.K., Supdt., Purchase Section	Member
7.	K. Varija, Ph.D., Asso. Professor, Applied Mechanics	Member
8.	M. Govinda Raj, Ph.D., Registrar, till 11.11.2012 Sri. K Ravindranath, Registrar, from 12.11.2012	special Invitee
9.	Sri. 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.	Sri Y. Ram Mohan, Dy. Registrar (A/c's)	Member

National Institute of Technology Karnataka, Surathkal

11.	Mrs. Yashavanthi, Dept. of E&C	Member
12.	Mr. 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.	Mrs. 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 Engg.
7.	Ramesh Kini, Ph.D.	Electronics And Communication Engg.
8.	Prasanna B D, Ph.D.	Chemical Engg.
9.	Mr. Rijesh M	Metallurgical And Materials Engg.
10.	Jeny Rajan, Ph.D.	Computer Engg.
11.	Ch. S. N. Murthy, Ph.D.	Mining Engg.
12.	D Sukumar, Ph.D.	MACS Dept.
13.	N K Udayashankar, Ph.D.	Physics
14.	Chittaranjan Hegde, Ph.D.	Chemistry
15.	A H Sequeira, Ph.D.	Humanities
16.	Ms Sowmya Kamath	Information Technology

SPORTS ADVISORY COMMITTEE

1.	Dean (Students Welfare)	Chairman
2.	Dean (P&D)	Member
3.	Chief Warden	Member
4.	Dy. Registrar (A/cs)	Member
5.	Resident Engineer	Member
6.	Aruna N, Ph.D.	Member
7.	B M Dodamani, Ph.D.	Member
8.	Ms. Kalpana Bhat	Member
9.	Kumar G N, Ph.D.	Member
10.	Murugan, Ph.D.	Member
11.	M B Saidutta, Ph.D.	Member
12.	Nithyananda Shetty, Ph.D.	Member
13.	Prasanna B D, Ph.D.	Member
14.	A O Surendranathan, Ph.D.	Member
15.	Sukumar D, Ph.D.	Member
16.	Vijay Desai, Ph.D.	Member
17.	Student's Council President	Member
18.	Girls Representative	Member
19.	R. C. Convener	Member
20.	All Institute Team Captains	Members
21.	Physical Director/Asst Phy Director	Member Secretary

NITK HEALTH CARE COMMITTEE

1.	Chandrasekaran, 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.	Mr. 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.	Mrs. Yashavanthi	Member
12.	President, Students' Union	Member
13.	Girls Representative	Member

COMPLAINTS COMMITTEE

1.	K Varija, Ph.D.	Chairperson
2.	Smt. Pushpalatha	Member
3.	Smt. 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.	Mrs. Hilda Rayappan	Member

3.0 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)

4.0 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. Strutural Engg.
2. Geotechnical Engg.
3. Environemntal Engg.
4. Transportation Engg.
5. Constructuon Technology And Management
6. Marine Structures
7. Water Resources Engineering And Management
8. Remote Sensing And Geographic Informtion Systems
9. Manufacturing Engg
10. Mechatronics Engg
11. Thermal Engg
12. Power & Energy Systems
13. VLSI Design
14. Communcation Engg
15. Chemical Plant Design.
16. Industrial Pollution Control Engg.
17. Industrial Biotechnolgy.
18. Systems Analysis & Computer Applications
19. Materials Engg
20. Process Metallurgy
21. Nanotechnology
22. Computer Science & Engg
23. Computer Science & Engg- Information Security
24. 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

After summer vacation, the institute reopened for 2012-13 session on 23.07.2012. The undergraduate admissions commenced on 17.07.2012 and closed on 29.08.2012. For Post Graduate Programme - M.Tech/M.Tech Research admissions commenced on 02.07.12 and closed on 16.08.2012 For M.CA. the admissions commenced on 16.07.12 and closed on 03.08.2012. For M.B.A., the admission commenced on 29.03.12. and closed on 09.08.12. Admissions to M.Sc. (Physics & Chemistry) commenced on 16.07.12 and closed on 06.08.12. For Ph.D Programmes, admissions commenced on 16.07.12 and closed on 08.08.12 For December Session 2012 admission for Ph.D. Programmes commenced on 19.12.12. and closed on 07.01.13.

5.0 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 AIEEE. On the basis of All India Rank secured in AIEEE conducted by CBSE New Delhi, seats are allotted in the centralized on-line campus counseling. The seat allocation done on the basis of 50% Home State Quota(HS) and 50% Other State Quota (OS). These seats are filled on Merit Basis through AIEEE. Seats are reserved for candidates belonging to Scheduled Caste, Scheduled Tribes, and Physically Handicapped & 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 on Spot round admission on 30.07.12 at NITK Surathkal for the GATE candidate on merit basis of Gate Score.

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 30.07.12 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 was 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.

MCA:

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

M.BA:

Selection of candidates for admissions was made on the basis of CAT score among the candidates applied, Group Discussion and interview.

M.Sc (Chemistry & Physics):

Selection of candidates was made 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.

6.0 ADMISSIONS FOR 2012-2013

6.1 The number of candidates admitted are as follows:

I. B.Tech.

1 Admission through AIEEE Rank	738
2 G.O.I. Nominee- through Ministry of External Affairs (Education & Welfare)	08
3. DASA Scheme	83

Total	829
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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	491
2. Non-GATE candidates and sponsored candidates	06
3. Admissions of foreign nationals through ICCR sponsored candidates and DASA	03
4. QIP candidates	08
5 Admission under Scheme of Half Time Teaching Asst (HTTA) fully funded by TEQIP-II	16

Total	524
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M.Tech. (By Research)

1. GATE qualified with Scholarship	13
2. Non Scholarship	01

Total	14
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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 90 candidates were admitted as follows:-

OP	43 + 1 OPPH
OBC	24+1 OBPH
SC	14
ST	07

Total	90
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IV. MBA:

Selection of candidates were made on the basis of CAT 2011 among candidates applied to NITK Surathkal, Group Discussion and Interview. A total number of 51 candidates were admitted as follows:-

OP	32
OBC	06
SC	09
ST	04

Total	51
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V. M.Sc (Chemistry & Physics)

Selections 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	01

Total 21

ii M.Sc (Physics)

OP	13
OBC	06
SC	03
ST	02

Total 24

VI. Ph.D. Programme:

OP	49
OBC	07
SC	05
ST	01
QIP	06
Sponsored	01
PGRA Scheme through TEQIP II	04

Total 73

Part Time

OP	22
OBC	02
SC	03
ST	-

Total 27

A total number of 829 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 2012-13.

Branch (I Year B.Tech.)	SC			ST			OBC			DASA			GOI			ICCR			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
Civil Engg	11	3	14	5	2	7	22	2	24	8	5	13	1	0	1	0	0	0	38	8	46	85	20	105
Mechanical Engg.	19	1	20	8	1	9	37	1	38	13	1	14	2	0	2	0	0	0	68	2	70	147	6	153
Electrical & Electronics Engg.	12	2	14	5	1	6	24	2	26	11	0	11	1	1	2	0	0	0	34	12	46	87	18	105
Electronics & Communication Engg	10	4	14	5	2	7	25	0	25	13	1	14	0	1	1	0	0	0	44	3	47	97	11	108
Chemical Engg.	4	3	7	3	1	4	11	1	12	5	2	7	0	0	0	0	0	0	18	4	22	41	11	52
Metallurgical & Materials Engg.	7	0	7	4	0	4	10	2	12	0	0	0	0	0	0	0	0	0	15	5	20	36	7	43
Mining Engg.	6	1	7	3	0	3	11	1	12	0	0	0	0	0	0	0	0	0	20	3	23	40	5	45
Computer Engg.	11	3	14	6	1	7	19	6	25	10	3	13	0	2	2	0	0	0	39	5	44	85	20	105
Information Technology	13	1	14	6	1	7	24	3	27	5	4	9	0	0	0	0	0	0	35	9	44	83	18	101
TOTAL	93	18	111	45	9	54	183	18	201	65	16	81	4	4	8	0	0	0	311	51	362	701	116	817

Branch (II Year B.Tech.)	SC			ST			OBC			DASA			GOI			ICCR			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
Civil Engg	12	2	14	6	1	7	22	1	23	11	0	11	1	0	1	1	0	1	43	5	48	96	9	105
Mechanical Engg.	17	1	18	10	1	11	36	0	36	14	0	14	2	0	2	0	0	0	70	1	71	149	3	152
Electrical & Electronics Engg.	12	2	14	6	0	6	21	4	25	7	6	13	1	0	1	0	0	0	41	6	47	88	18	106
Electronics & Communication Engg.	12	3	15	6	1	7	21	4	25	14	0	14	0	2	2	0	0	0	44	3	47	97	13	110
Chemical Engg.	7	1	8	4	0	4	9	2	11	3	2	5	0	1	1	0	0	0	19	4	23	42	10	52
Metallurgical & Materials Engg.	5	2	7	3	1	4	10	2	12	0	0	0	0	0	0	0	0	0	18	0	18	36	5	41
Mining Engg.	10	0	10	7	1	8	9	1	10	0	0	0	0	0	0	0	0	0	16	1	17	42	3	45
Computer Engg.	12	2	14	7	0	7	19	5	24	12	2	14	1	0	1	0	0	0	41	5	46	92	14	106
InformationTechnology	13	1	14	4	1	5	19	8	27	9	3	12	0	0	0	0	0	0	34	12	46	79	25	104
TOTAL	100	14	114	53	6	59	166	27	193	70	13	83	5	3	8	1	0	1	326	37	363	721	100	821

Branch (III Year B.Tech.)	SC			ST			OBC			DASA			GOI			ICCR			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
Civil Engg	13	0	13	7	0	7	21	2	23	9	5	14	0	1	1	1	0	1	37	4	41	88	12	100
Mechanical Engg.	18	1	19	9	0	9	38	0	38	13	1	14	1	0	1	0	0	0	66	2	68	145	4	149
Electrical & Electronics Engg.	10	4	14	4	2	6	22	4	26	9	5	14	1	0	1	3	0	3	42	6	48	91	21	112
Electronics & Communication Engg.	12	0	12	6	0	6	21	4	25	8	6	14	0	1	1	0	0	0	39	8	47	86	19	105
Chemical Engg.	3	1	4	4	0	4	11	1	12	6	1	7	1	0	1	0	0	0	16	4	20	41	7	48
Metallurgical & Materials Engg.	4	3	7	3	0	3	11	0	11	2	0	2	0	0	0	0	0	0	17	3	20	37	6	43
Mining Engg.	6	0	6	5	1	6	8	0	8	0	0	0	0	0	0	0	0	0	12	2	14	31	3	34
Computer Engg.	10	4	14	2	5	7	22	1	23	8	6	14	0	0	0	0	0	0	43	5	48	85	21	106
Information Technology	10	4	14	4	2	6	23	4	27	4	8	12	0	0	0	0	0	0	37	6	43	78	24	102
TOTAL	86	17	103	44	10	54	177	16	193	59	32	91	3	2	5	4	0	4	309	40	349	682	117	799

Branch (IV Year B.Tech.)	SC			ST			OBC			DASA			GOI			ICCR			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
Civil Engg	15	0	15	6	0	6	23	1	24	3	5	8	0	0	0	1	1	2	43	4	47	91	11	102
Mechanical Engg.	18	0	18	11	0	11	35	4	39	13	1	14	0	0	0	0	0	0	66	4	70	143	9	152
Electrical & Electronics Engg.	11	4	15	5	1	6	23	2	25	8	1	9	1	1	2	0	0	0	34	13	47	82	22	104
Electronics & Communication Engg.	13	1	14	6	1	7	24	0	24	6	3	9	1	1	2	0	0	0	41	10	51	91	16	107
Chemical Engg.	7	1	8	3	2	5	11	1	12	4	1	5	0	0	0	0	0	0	17	4	21	42	9	51
Metallurgical & Materials Engg.	5	0	5	1	0	1	10	2	12	0	0	0	0	0	0	0	0	0	14	3	17	30	5	35
Mining Engg.	7	1	8	4	1	5	8	0	8	0	0	0	0	0	0	0	0	0	7	0	7	26	2	28
Computer Engg.	12	3	15	7	1	8	18	7	25	6	3	9	0	1	1	1	0	1	41	7	48	85	22	107
Information Technology	9	7	16	4	2	6	24	3	27	3	6	9	0	0	0	0	0	0	36	10	46	76	28	104
TOTAL	97	17	114	47	8	55	176	20	196	43	20	63	2	3	5	2	1	3	299	55	354	666	124	790

M.Tech. Students Strength for the year 2012-13

Branch (II 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	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	3	12	22	3	
Geo-Technical Engg.	1	1	2	1	0	1	2	3	5	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	4	2	6	9	6	
Environmental Engg.	4	0	4	2	0	2	5	0	5	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	5	8	13	16	9	
Transportation Systems Engg.	3	1	4	2	0	2	4	3	7	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	9	5	14	20	9				
Construction Technology & Mgt.	2	2	4	1	1	2	6	1	7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	11	2	13	21	6				
Marine Structures	2	0	2	1	0	1	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	11	17	4	
Water Resources Engg. & Cse	1	1	2	0	0	0	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	7	7	6	
Remote Sensing & Cse	2	0	2	0	0	0	4	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11	10	9	
Thermal Engg.	1	0	1	1	0	1	2	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	4	7	11	10	9	
Mechatronics Engg.	3	0	3	1	0	1	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	7	0	7	13	0				
Manufacturing Engg.	2	0	2	1	0	1	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	11	2	13	22	2				
Power & Energy	4	0	4	1	0	1	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	6	0	6	14	0				
VLSI Design	4	0	4	2	0	2	6	1	7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	10	3	13	22	3				
Communication Engg.	4	0	4	2	0	2	5	1	6	1	0	1	3	1	4	0	0	0	0	0	0	1	1	2	12	0	12	27	1				
Chemical Plant	2	1	3	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	7	9	5	
Industrial Pollution Control	0	0	0	1	0	1	4	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	11	8	11	
Industrial Process Metallurgy	3	0	3	2	0	2	2	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	13	12	13				
Materials Engg.	1	0	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	6	0	6	10	0				
Nanoscience & Computer Science & Engg.	2	1	3	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	3	12	14	5	
Computer Science & Engg.	2	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5	6	2	
Computer Science & Engg. - Information Security	3	1	4	2	0	2	6	0	6	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	10	2	12	23	3				
Systems Analysis & Computer Applications	4	0	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	9	1	10	20	3	
Information Technology	3	0	3	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	12	2	14	20	3				
TOTAL	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	13	1	14	24	2	
TOTAL	61	8	69	25	2	27	101	27	128	2	0	2	7	2	9	1	0	1	9	2	11	185	69	254	391	110							501

M.Tech.by Research 2012-13

Branch (I Year)	SC			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To
APPLIED MECHANICS & HYDRAULICS:- Water Resources Engg. & Mgt	0	0	0	0	0	0	1	0	1	1	0	1
CHEMICAL ENGG:- Industrial Biotechnology	0	1	1	0	1	1	0	1	1	0	3	3
MECHANICAL ENGG :- Mechatronics Engg.	0	0	0	0	0	0	1	0	1	1	0	1
Manufacturing Engg	0	0	0	0	0	0	1	0	1	1	0	1
Thermal Engg.	0	0	0	0	0	0	2	0	2	2	0	2
ELECTRICAL & ELECTRONICS ENGG.:- Power & Energy Systems	0	0	0	0	0	0	1	0	1	1	0	1
ELECTRONICS & COMMUNICATION ENGG:-	0	0	0	0	0	0	0	1	1	0	1	1
COMPUTER ENGG.:- Computer Science & Engg.-Information Security	0	0	0	0	0	0	0	1	1	0	1	1
Computer Science & Engg	0	0	0	0	0	0	0	1	1	0	1	1
INFORMATION TECHNOLOGY	0	0	0	0	0	0	1	0	1	1	0	1
TOTAL	0	1	1	0	1	1	7	4	11	7	6	13

M.Tech.by Research (II year)

Branch (II Year)	SC			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To
APPLIED MECHANICS & HYDRAULICS:- Remote Sensing & Geographic Information System	0	0	0	0	0	0	1	0	1	1	0	1
Water Resources Engg. & Mgt.	0	0	0	0	0	0	0	2	2	0	2	2
CHEMICAL ENGG:- Industrial Biotechnology	0	0	0	0	0	0	0	3	3	0	3	3
Chemical Plant Design	0	0	0	0	0	0	3	0	3	3	0	3
MECHANICAL ENGG :- Mechatronics Engg.	0	0	0	0	0	0	2	0	2	2	0	2
Manufacturing Engg	0	0	0	0	0	0	1	0	1	1	0	1
Thermal Engg.	0	0	0	0	0	0	1	0	1	1	0	1
ELECTRICAL & ELECTRONICS ENGG.:- Power & Energy Systems	0	0	0	0	0	0	1	3	4	1	3	4
ELECTRONICS & COMMUNICATION ENGG:- VLSI Design	0	0	0	0	0	0	2	0	2	2	0	2
Communication Engg.	0	0	0	0	0	0	2	0	2	2	0	2
COMPUTER ENGG.:- Computer Science & Engg.-Information Security	0	0	0	0	0	0	1	0	1	1	0	1
Computer Science & Engg	0	1	1				0			0	1	1
MINING ENGG.:- Rock Excavation Technology & Management	0	0	0	1	0	1	1	0	1	2	0	2
METALLURGICAL & MATERIALS ENGG.:- Process Metallurgy	0	0	0	0	0	0	1	0	1	1	0	1
Nanotechnology	0	0	0	0	0	0	1	0	1	1	0	1

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INFORMATION TECHNOLOGY	0	0	0	0	0	0	0	1	0	1	1	0	1
TOTAL	0	1	1	1	0	1	18	8	26	19	9	28	

MCA

Branch	SC			ST			OBC			GN			Total		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	10	4	14	5	1	6	21	5	26	26	14	40	62	24	86
II YEAR	9	4	13	4	3	7	19	2	21	35	14	49	67	23	90
III YEAR	10	3	13	4	2	6	19	5	24	35	10	45	68	20	88
TOTAL	29	11	40	13	6	19	59	12	71	96	38	134	197	67	264

MBA

Branch	SC			ST			OBC			GN			Total		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	6	2	8	2	1	3	5	0	5	24	5	29	37	8	45
II YEAR	2	1	3	0	0	0	1	0	1	22	5	27	25	6	31
TOTAL	8	3	11	2	1	3	6	0	6	46	10	56	62	14	76

M.Sc. (Chemistry)

Branch	SC			ST			OBC			GN			Total		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	0	0	0	0	1	1	4	3	7	6	7	13	10	11	21
II YEAR	0	0	0	0	0	0	3	6	9	2	8	10	5	14	19
TOTAL	0	0	0	0	1	1	7	9	16	8	15	23	15	25	40

M.Sc. (Physics)

Branch	SC			ST			OBC			GN			Total		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	2	1	3	0	2	2	1	5	6	6	7	13	9	15	24
II YEAR	1	1	2	0	0	0	3	3	6	6	6	12	10	10	20
TOTAL	3	2	5	0	2	2	4	8	12	12	13	25	19	25	44

Ph.D. Students Strength for the year 2012-13

Ph.D 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	1	0	1	1	0	1	0	1	1	3	0	3	0	0	0	0	1	1	0	0	0	22	16	38	27	18	45
App. Mechanics	2	0	2	0	0	0	0	1	1	1	0	1	0	0	0	0	1	1	0	0	0	27	8	35	30	10	40
Mechanical	5	0	5	0	0	0	1	1	2	3	0	3	0	0	0	0	0	0	1	0	1	56	2	58	66	3	69
E&E	3	0	3	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	19	4	23	24	4	28
E&C	0	0	0	1	0	1	0	0	0	1	1	2	1	0	1	1	0	1	0	0	0	10	5	15	14	6	20
Chemical	1	2	3	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	10	13	23	12	16	28
Metallurgy	2	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	20	5	25	23	5	28
Mining	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	13	0	13	15	0	15
Computer	0	1	1	0	1	1	0	1	1	2	1	3	0	0	0	0	0	0	0	0	0	7	1	8	9	5	14
Information chnology	2	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10	6	7	13
Physics	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	21	5	26	22	5	27
Chemistry	1	0	1	2	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	22	10	32	27	10	37
MACS	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	7	18	12	7	19
Humanities	0	1	1	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	6	6	12	8	7	15
Total	19	4	23	7	1	8	5	4	9	14	3	17	1	0	1	1	2	3	1	0	1	247	89	336	295	103	398

6.3 ADMISSION STATISTICS

6.3(a) Undergraduate Programmes – B.Tech.

Particulars of sanctioned intake and admissions made during 2012-13

Sl. No	Courses offered	Sanctioned intake			Total	Admissions made to Undergraduate Programmes								Total Admission
		Normal Intake	G.O.I. Nominces*	D.A.S.A. (Direct Admission of Students Abroad)		Normal Intake					G.O.I. Nominces*	D.A.S.A. (Direct Admission of Students Abroad)		
						SC	ST	OBC	PH	OP				
1	Civil Engineering	92	3	14	109	14	7	23	3OP 1OBC	44	1	13	106	
2	Mechanical Engineering	139	3	14	156	18	9	38	2OP 2SC	68	2	14	153	
3	Electrical & Electronics Engg.	93	4	14	111	14	6	26	2OP	45	2	11	106	
4	Electronics & Communication Engg.	93	3	14	110	14	7	24	1OBC	47	1	14	108	
5	Chemical Engg.	46	2	7	55	7	4	11	1OBC	23	-	7	53	
6	Metallurgical & Materials Engg	46	-	7	53	7	4	12	-	23	-	1	47	
7	Mining Engg.	46	-	7	53	7	4	12	-	23	-	-	46	
8	Computer Engg.	92	2	14	108	14	7	23	2OP 2OBC	44	2	14	108	
9	Information Technology	93	-	14	107	13	6	26	2OP 1OBC 1SC	44	-	9	102	
TOTAL		740	17	105	862	108	54	195	20	361	8	83	829	

* 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. 2012-13
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	36+3PH	8	21+1PH	2	11	3	5	2	1	-	8	5	86	20	106
2	Mechanical Engg	66+2PH	2	37	1	17+ 2PH	1	8	1	2	-	13	1	147	6	153
3	Electrical & Electronics Engg	34+1PH	11+1PH	24	2	12	2	5	1	1	1	11	-	88	18	106
4	Electronics & Communications	44	3	24+1PH	-	10	4	5	2	-	1	13	1	97	11	108
5	Chemical Engg	19	4	10+1PH	1	4	3	3	1	-	-	5	2	42	11	53
6	Metallurgical & Materials Engg	18	5	10	2	7	-	4	-	-	-	1	-	40	7	47
7	Mining Engg	20	3	11	1	6	1	4	-	-	-	-	-	41	5	46
8	Computer Engg	39+2PH	5	17+2PH	6	11	3	6	1	-	2	11	3	88	20	108
9	Information Technology	34+2PH	10	23+1PH	3	12+ 1PH	1	6	-	-	-	5	4	84	18	102
	Total	310+10PH	51+1PH	177+6PH	18	90+3PH	18	46	8	4	4	67	16	713	116	829

6.3 (b) ADMISSION STATISTICS - POST GRADUATE PROGRAMMES**(i) M.Tech. Programme - Particulars of Intake and Admissions during 2012-13**

Sl. No.	Name of the Programme	Intake	Admitted					Out of the total admissions - candidates belonging to							
			Gate (scholarship seats)	Non-Gate & sponsored + QIP seats + Foreign Nationals+ DASA+HTTA	Total			SC		ST		OBC		PC	
					M	F	Total	M	F	M	F	M	F	M	F
1.	Structural Engg.	27	25	2HTTA	24	3	27	4	-	2	-	6+1*	1	-	-
2.	Geotechnical Engg.	15+1**	13	-	5	8	13	-	2	-	-	1	3	-	-
3.	Environmental Engg.	27	22	-	12	10	22	2	2	1	1	3	1	-	-
4.	Transportation Engg.	27	22	1HTTA	13	10	23	3	-	1	-	1+1*	4	-	-
5.	Construction Technology & Management	27	24	1 (Sponsored)	21	4	25	4	-	1	-	5	2	-	-
6.	Marine Structures	27+1**	22	-	14	8	22	3	1	-	-	3	3	-	-
7.	Water Resources Engineering & Management	15	13	-	7	6	13	2	-	-	-	2	2	-	-
8.	Remote Sensing & Geographic Information Systems	27+1**	15	-	8	7	15	1	1	1	-	2	5	-	-
9.	Manufacturing Engg.	15	14	-	13	1	14	1	1	1	-	4	-	-	-
10.	Mechatronics Engg.	27	25	1 Sponsored + 1QIP (Regular)	24	3	27	4	-	1	1	5	2	-	-
11.	Thermal Engineering	15+1**	14	2 HTTA	16	-	16	2	-	1	-	4	-	-	-
12.	Power & Energy Systems	27	26	2 HTTA	21	7	28	3	1+1*	2	-	6	-	1 (OP)	-
13.	VLSI Design	27+1**	26	1 QIP (Regular) +1 GOI (ICCR)	27	1	28	4	-	2	-	7	-	-	-
14.	Communication Engg.	27+1**	25	1 Sponsored + 2 QIP (1 Regular+1 Poly) +1 DASA+3 HTTA	24	8	32	3	1	1	1	7	1*	1 (OP)	-
15.	Chemical Plant Design	15	10	-	7	3	10	1	1	-	-	2	2	-	-
16.	Industrial Pollution Control Engg.	27	21	2 (Non-Gate) + 1 HTTA	15	9	24	3	1	-	-	6	1+1*	-	-
17.	Industrial Biotechnology	27	23	1 QIP (Regular)	11	13	24	2	1+1 QIP	-	-	4	3	-	-

Sl. No.	Name of the Programme	Intake	Admitted					Out of the total admissions - candidates belonging to							
			Gate (scholarship seats)	Non-Gate & sponsored + QIP seats + Foreign Nationals + DASA+HTTA	Total			SC		ST		OBC		PC	
					M	F	Total	M	F	M	F	M	F		
18.	Systems Analysis & Computer Applications	27	24	1 QIP (Regular)	19	6	25	3	1	1	1	5	1	1(OP)	-
19.	Materials Engg.	27	24	1 (Non-Gate) + 1 HTTA	26	-	26	4	-	2	-	7	-	-	-
20.	Process Metallurgy	15+1**	12	-	11	1	12	2	-	-	-	3	-	-	-
21.	Nanotechnology	15	14	-	12	2	14	2	-	1	-	3	1	-	-
22.	Computer Science & Engg.	27+1**	25	2 QIP (Regular) +1 (DASA) + 2 HTTA	24	6	30	4+1*	-	1	1	3	3	1(OP)	-
23.	Computer Science & Engg. – Information Security	27	26	-	20	6	26	3	1	1	1	6	1	1(OP)	-
24.	Information Technology	27	26	2 HTTA	21	7	28	2+1*	2	2	-	5	2	1(OP)	-
	TOTAL	564+8**	491	3 (Non-Gate) +3 Sponsored +1 GOI (ICCR) + 8 QIP +2 DASA + 16 HTTA = 33	395	129	524	62+2*	16+1 QIP+1*	22	6	100+2*	37+2*	6	-

** Sanctioned seats for DASA candidates.

The above intake of M.Tech. excluding the intake of QIP allotted by AICTE and 15% over and above the sanctioned intake for NRI, foreign nationals etc & HTTA (Scheme of Half Time Teaching Asst. fully funded by the TEQIP-II)

PC: Physically Challenged

* Out of the total admissions, SC/ST/OBC candidates admitted under HTTA Programme TEQIP-II.

ii) 6.3 (b) M.TECH. PROGRAMME (BY RESEARCH) 2012-13

Sl. No.	Name of the Programme	No. of candidates admitted		Total admitted		
		Gate Scholarship Seat	Non-Scholarship Seat	Male	Female	Total
1	Water Resources Engg. & Management	-	1	1	-	1
2	Thermal Engg.	2	-	2	-	2
3	Manufacturing Engg.	1	-	1	-	1
4	Mechatronics Engg.	1	-	1	-	1
5	Communication Engg.	1	-	-	1	1
6	Industrial Pollution Control	1	-	1 (OBC)	-	1
7	Industrial Biotechnology	3	-	-	1+ISC +1ST	3
8	Power & Energy Systems	1	-	1	-	1
9	Computer Science & Engg.	1	-	-	1	1
10	Computer Science & Engg. – Information Security	1	-	-	1	1
11	Information Technology	1	-	1	-	1
	Total	13	1	8	6	14

6.3(c) M.C.A., M.B.A. AND M.Sc. PROGRAMMES

Particulars of Admissions during 2012-13

Sl. No.	Programme	Intake	Total admitted			Out of the total admissions - candidates belonging to							
			Boys	Girls	Total	SC		ST		OBC		PC	
						M	F	M	F	M	F	M	F
1	Master of Computer Applications (MCA)	92	65	25	90	10	4	6	1	19	5	1OP 1OB C	-
2	Master of Business Administration (MBA)	64+5*	42	9	51	7	2	3	1	6	-	-	-
3	M.Sc. (Chemistry)	27	10	11	21	-	-	-	1	4	3	-	-
4	M.Sc. (Physics)	27	9	15	24	2	1	-	2	1	5	-	-
	Total	210+5*	126	60	186	19	7	9	5	30	13	2	-

* Seats reserved for DASA candidates
PC – Physically Challenged

6.3(d) Ph.D. PROGRAMME**Particulars of Admissions made during 2012-13**

Sl. No.	Name of the Department	Full Time		Part time		Total		Out of the total admissions - Candidates belongs to					
		M	F	M	F	Full Time + Part Time		SC		ST		OBC	
						M	F	M	F	M	F	M	F
1	Civil Engg.	1	3+1 (PGRA) + 2*	1	1	2	7	-	-	-	-	-	1*
2	Applied Mech. & Hydraulics	4+1*	1 (PGRA) +1*	2+3*	-	10	2	1(PT)	-	-	-	-	1*
3	Mechanical Engg.	1+1 QIP (Poly) + 3* +1* (PGRA)	3*	7+3*	-	16	3	1* 1(PT)	-	1(QIP)	-	-	1*
4	Electrical & Electronics Engg.	3+3*	1	-	-	6	1	1	-	-	-	-	-
5	Electronics & Communication Engg.	1+2*+1* (PGRA)	1 QIP (Regular)	1	-	5	1	-	-	-	-	-	-
6	Chemical Engg.	2	1+2*	2	-	4	3	-	1	-	-	-	-
7	Metallurgical & Materials Engg.	2+2*	1*	1	1	5	2	-	-	-	-	2*	-
8	Mining Engg.	1* QIP (Poly)	-	2*	-	3	-	1*(PT)	-	-	-	-	-
9	Computer Science & Engg.	2 QIP (Regular) +2*	1 QIP (Regular) +1*	-	-	4	2	-	-	-	-	-	1*
10	Information Technology	-	-	-	-	-	-	-	-	-	-	-	-
11	Physics	2+1*	1+1*	1*	-	4	2	-	-	-	-	1*(PT)	-
12	Chemistry	3+2*	2+1*	1*	-	6	3	-	-	1*	-	1*+1* (PT)	-
13	Mathematical & Computational Science	3	1+1*(SP)	1	-	4	2	1	-	-	-	-	-
14	Humanities, Social Sciences & Mgt.	-	3*	-	-	-	3	-	1*	-	-	-	-
	Total	25+19*	13+16*	15+10*	2	69	31	6	2	2	-	5	4

* admissions made during December session 2012, PT = PART TIME, PGRA = Scheme of Post Graduate Research Asst. fully funded by TEQIP-II. SP = Sponsored

STUDENT'S TOTAL STRENGTH

<u>Programme</u>	<u>Strength</u>
1. Undergraduate	3227
2. Post Graduate (Including MCA/M.Tech./M.Tech – by research MBA/M.Sc.)	1461
3. Ph.D. Programme	398

	5086
	=====

7.0 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.

8.0 EXAMINATION RESULTS FOR 2011-2012

EXAMINATION DETAILS

Sl.No.	Branch	Total No. Appeared	No. of students passed in				Total Passed	Percentage of passes	No. of SC/ST candidates passed
			CGP A above 7 & below 10	CGPA above 6 & below 7	CGPA above 5 & below 6	CGP A below 5			
1.	Civil Engineering	85+3*	66	11+1*	6+1*	1*	83+3*	97.73	15+2*
2.	Mechanical Engineering	128+2*	93	25	9+2*	-	127+2*	99.23	24+2*
3.	Electrical And Electronics Engineering	87	64	20	1	-	85	97.70	15
4.	Electronics And Communication Engineering	87+1*	57	13	9+1*	1	80+1*	92.05	16
5.	Chemical Engineering	43	30	7	6	-	43	100.00	18
6.	Metallurgical And Materials Engineering	28	17	6	3	-	26	92.86	8
7.	Mining Engineering	27	23	3	1	-	27	100.00	8
8.	Computer Engineering	89	68	11	9	1	89	100.00	18
9.	Information Technology	86	55	19	9	3	86	100.00	17

*- Repeaters

*- Repeater Students

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	24	24			24	100.00	4
2.	Structural Engineering	27	26	1		27	100.00	5
3.	Geotechnical Engineering	13	13			13	100.00	1
4.	Environmental Engineering	24	24			24	100.00	4
5.	Transportation Systems Engineering	25	25			25	100.00	4
6.	Marine Structures	18	11	5	1	17	94.44	1
7.	Remote Sensing & Geographic Information System	13	13			13	100.00	

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8.	Water Resources Engineering & Management	10	3	1	14	100.00	1	
9.	Manufacturing Engineering	15	13	2	15	100.00	3	
10	Mechatronics Engineering	22	21		21	95.45	4	
11	Thermal Engineering	15	9	4	2	15	100.00	3
12	Power & Energy Systems	27	19	7	1	27	100.00	5
13	VLSI Design	28	18	4	4	26	92.86	6
14	Communication Engineering	13	7	3		10	76.92	3
15	Chemical Plant Design	13	7	4	2	13	100.00	1
16	Industrial Biotechnology	26	19	5	2	26	100.00	6
17	Industrial Pollution Control	25	10	11	4	25	100.00	4
18	Process Metallurgy	9	7	2		9	100.00	2
19	Materials Engineering	23	18	3	1	22	95.65	4
20	Systems Analysis & Computer Applications	21	13	8		21	100.00	2
21	Computer Science and Engineering	25	13	6	1	20	80.00	6
22	Computer Science and Engineering - Information Security	26	19	7		26	100.00	5
23	Information Technology	24	20	2		22	91.67	4
24	Master of Computer Applications	77	61	14		75	97.40	16
25	Master of Business Administration	36	30	5		35	97.22	2
26	Master of Science (Chemistry)	23	17	5	1	23	100.00	3
27	Master of Science (Physics)	23	19	4		23	100.00	2

Ranks secured by the UG students of the Institute in the Examination held in April/May, 2012

Sl.No.	Name of the Branch	Name of the Rank Holder
1.	Civil Engineering	Nithish Bhat K Veena Swaminathan
2.	Mechanical Engineering	John Mathew
3.	Electrical & Electronics Engineering	Deepa K G
4.	Electronics & Communication Engg.	Apexit Shah
5.	Chemical Engg.	Ashwin Anthony Fernandes
6.	Metallurgical Engg.	Vikas Raj Sharma
7.	Mining Engg.	Satya Narayan Prasad
8.	Computer Engineering	Aparna
9.	Information Technology	Amritha Kini B

**Ranks secured by the M.Tech. students of the Institute in the
Examination held in April-May, 2012**

Sl.No.	Name of the Branch	Name of the Rank Holder
1.	Structural Engineering	Tamizharasi G
2.	Geo-Technical Engg.	Vigey Mary W
3.	Environmental Engineering	Sruthi Pillai
4.	Transportation Systems Engineering.	Nisha G
5.	Construction Tech. and Management	Sreedevi A R
6.	Marine Structures	B R Mithun Shetty
7.	Water Resources Engg. & Management	Archana K
8.	Remote Sensing and GIS	Vinaya Prakash D
9.	Manufacturing Engineering	Padekar Akshay Ujjwal
10.	Thermal Engineering	Nandish S
11.	Mechatronics Engineering	Sudheer Kumar Nayak
12.	Power & Energy Systems	Deepak Ronanki
13.	VLSI Design	Vinayak N Sangli
14.	Communication Engineering	Raghavendra Patkar
15.	Chemical Plant Design	Krishnakumar A J
16.	Industrial Pollution Control	Pavithra G S
17.	Process Metallurgy	Vignesh Nayak U
18.	Materials Engineering	Pavithra Kumara M
19.	Systems Analysis & Computer Applications	Saumya Y M
20.	Computer Science & Engineering	Anjana V Kumar
21.	Industrial Bio Technology	Akshata Hoskeri
22.	Computer Science and Engg. – Information Security	Annfreeda Davis T
23.	Information Technology	Ruchi Agrawal

**Ranks secured by the MCA/MBA/M.Sc.(Chemistry) students of the Institute in the
Examination held in April/May, 2012**

Name of the Branch	Name of the Rank Holder
1. Master of Computer Applications	Namrata Sachdeva
2. Master of Business Administration	Sourabh
3. M.Sc. (Chemistry)	Ramya P S
4. M.Sc. (Physics)	Manjula

9.0 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	Chemical Engg., Biotechnology; Pollution Control, Transfer Operations. Catalysis
Proposed	Nil

Department of Civil Engineering

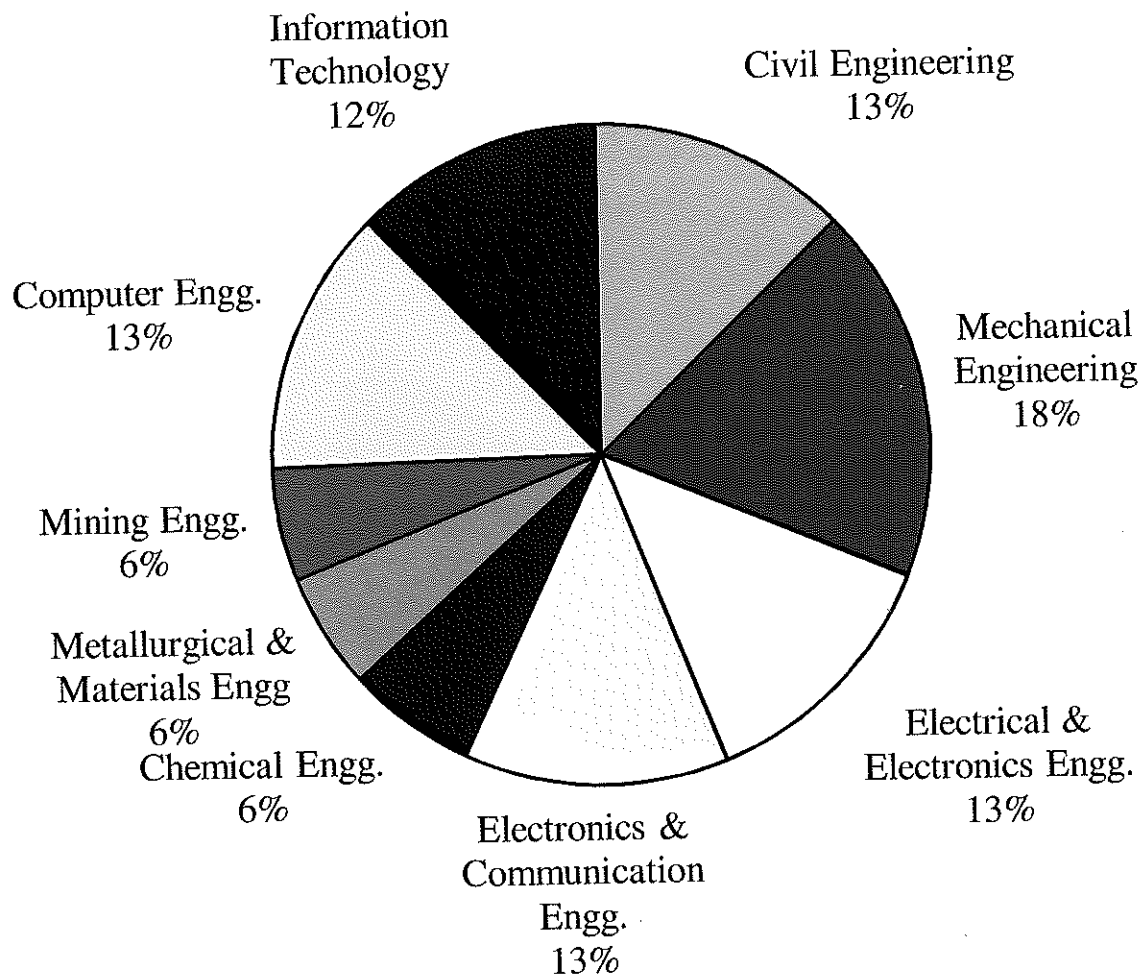
	Specialization
Existing	Construction Technology and Management Environmental Engineering Geology and Earth-Sciences Geotechnical Engineering Structural Engineering Transportation Engineering
Proposed	Nil

Department of Computer Engineering

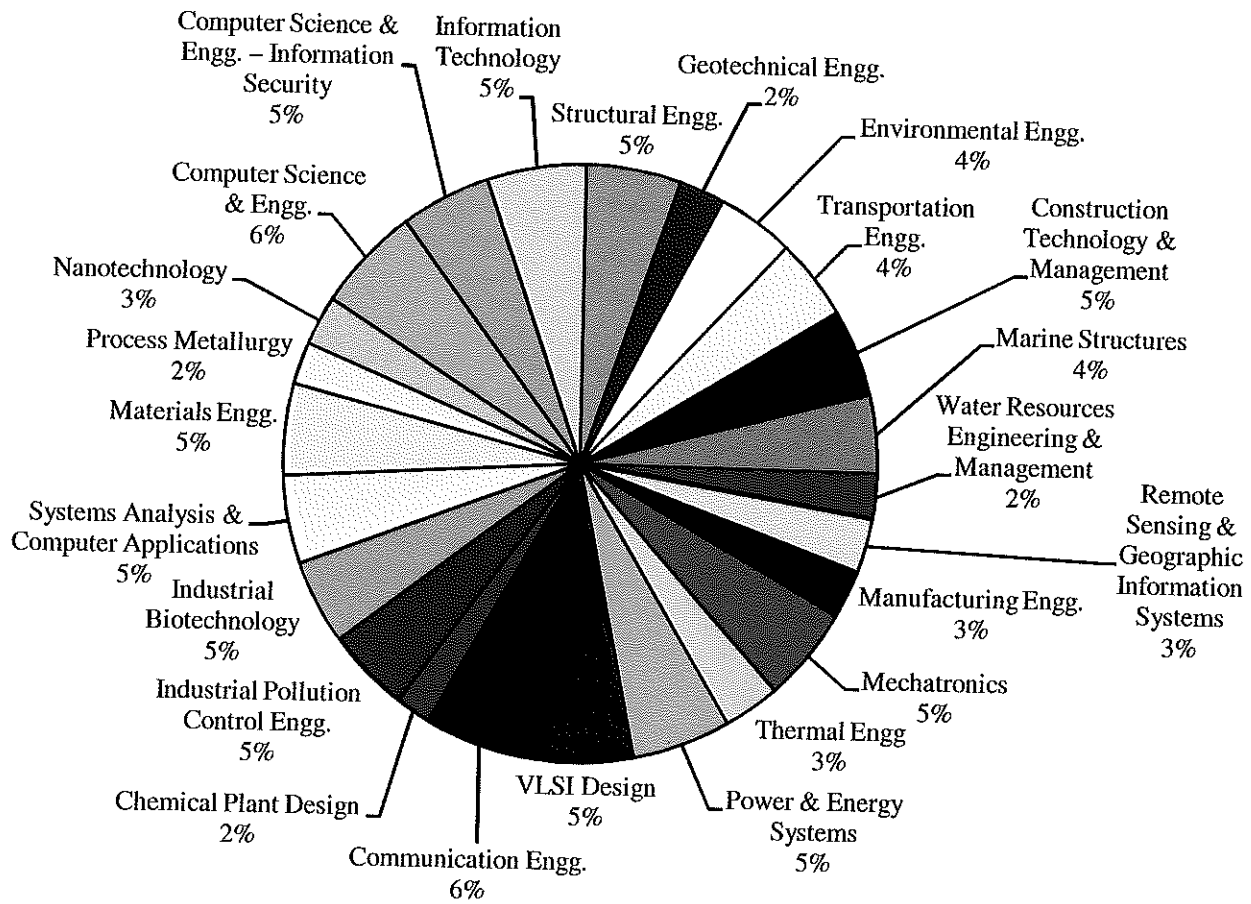
	Specialization
Existing	Software Engineering, Computer Networks, Data Management, Data Mining, Distributed Computing, Information Security, Image Processing, Cloud Computing.
Proposed (Additions)	Wireless Networks, High Performance Computing, Computer Vision, Speech Processing, Mobile computing and Next generation Computing

Department of Chemistry

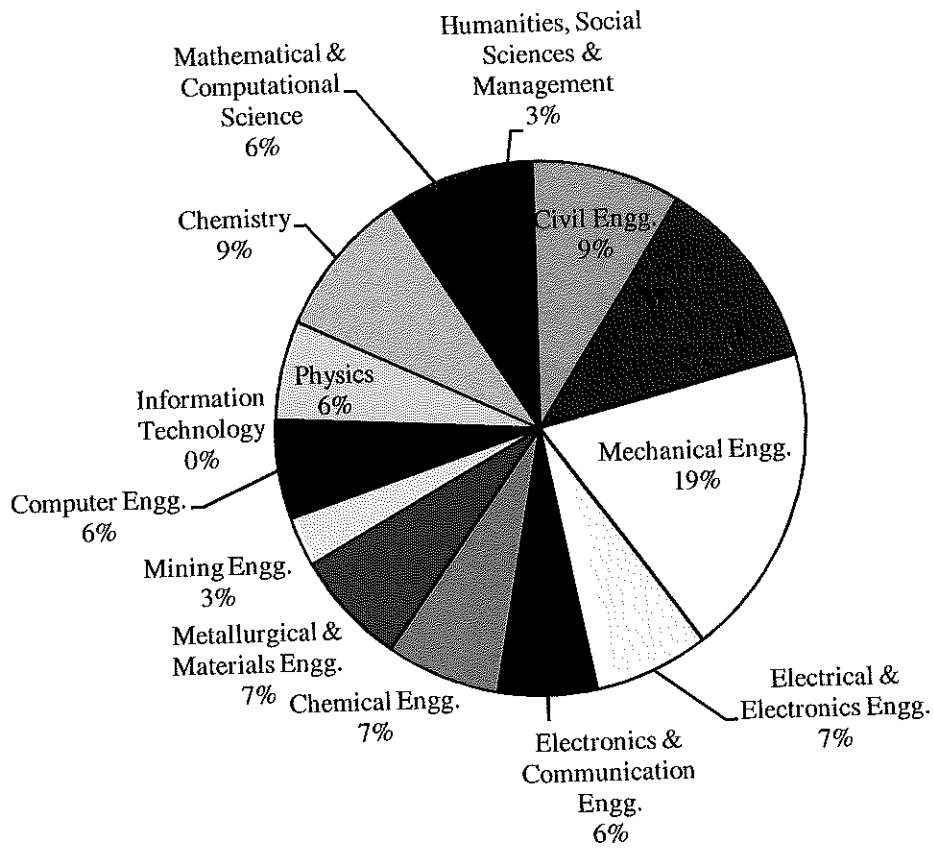
	Specialization
Existing	I Inorganic Chemistry 1) Corrosion inhibitors 2) Nano fluids 3) Spectrophotometry and complexometry 4) Organometallic chemistry 5) Coordination chemistry



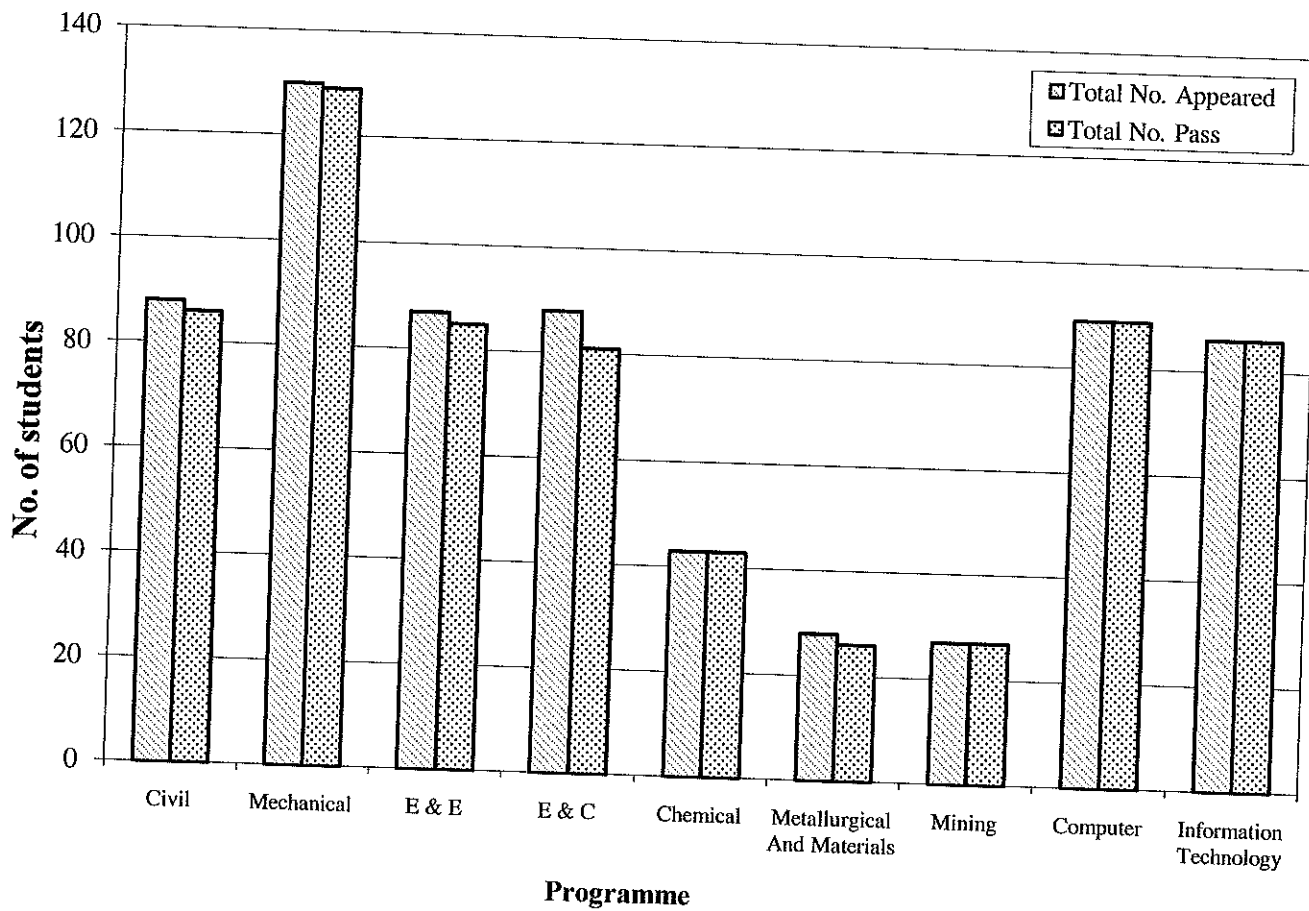
Pie - chart showing discipline wise B.Tech. admissions 2012-13



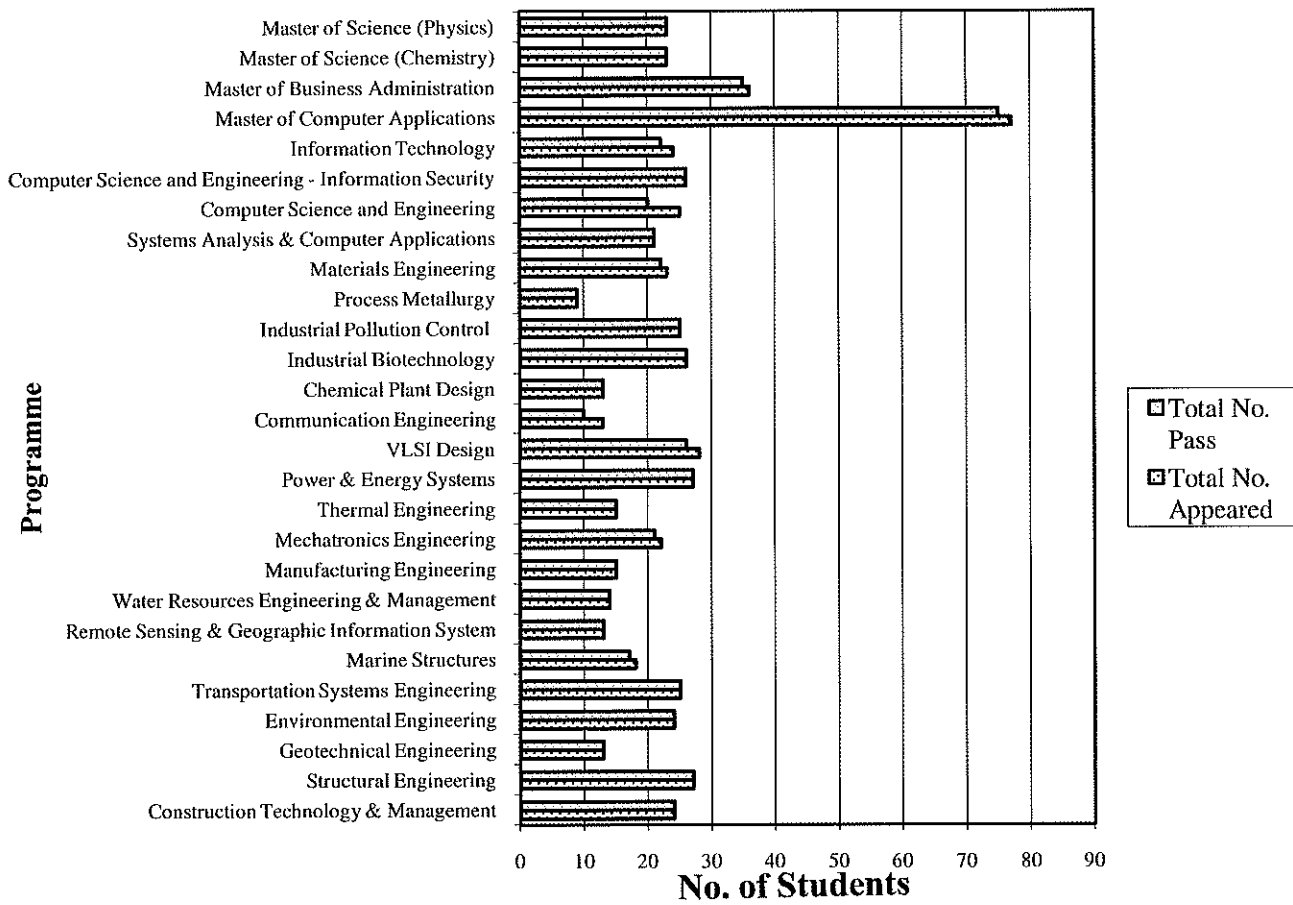
Pie - chart showing discipline wise M.Tech. admissions 2012-13



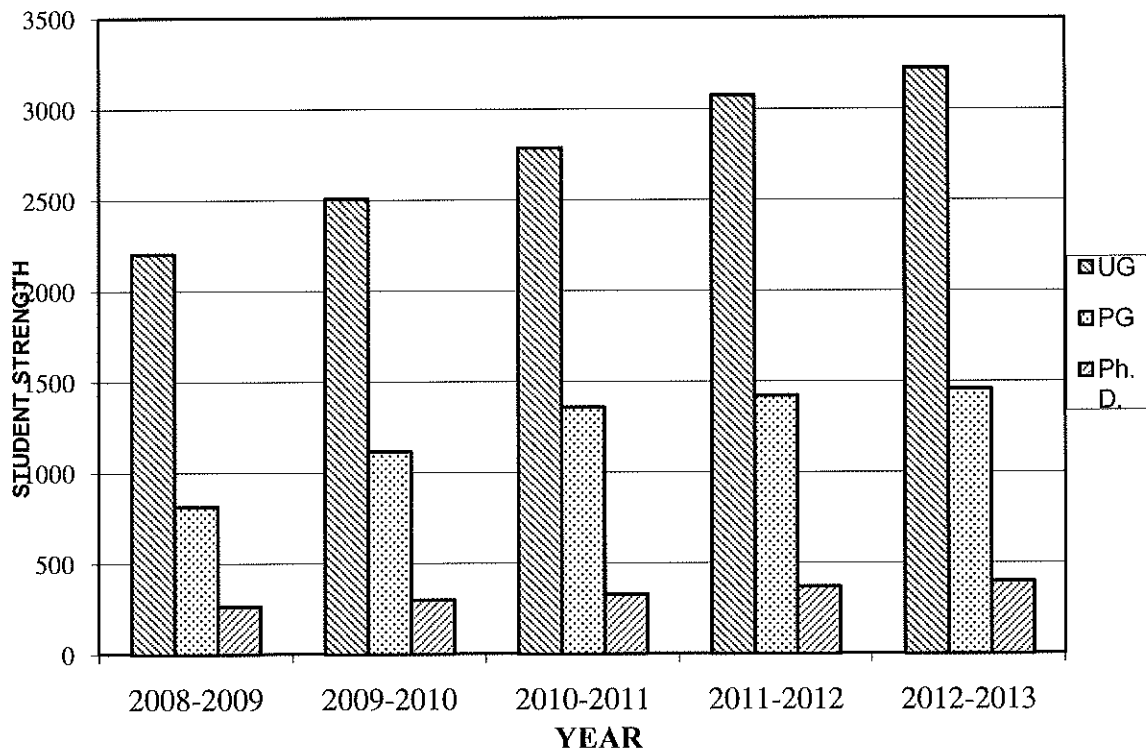
Pie chart showing discipline wise Ph.D. admissions 2012-13



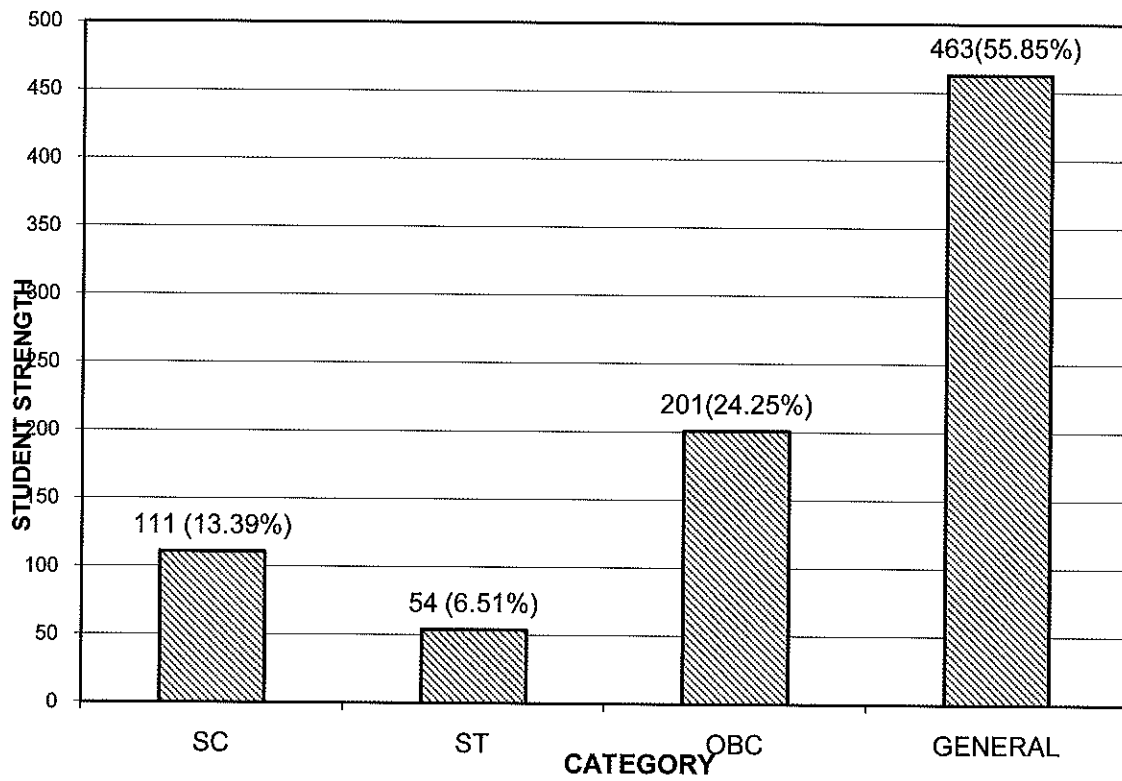
Examination Results (UG)



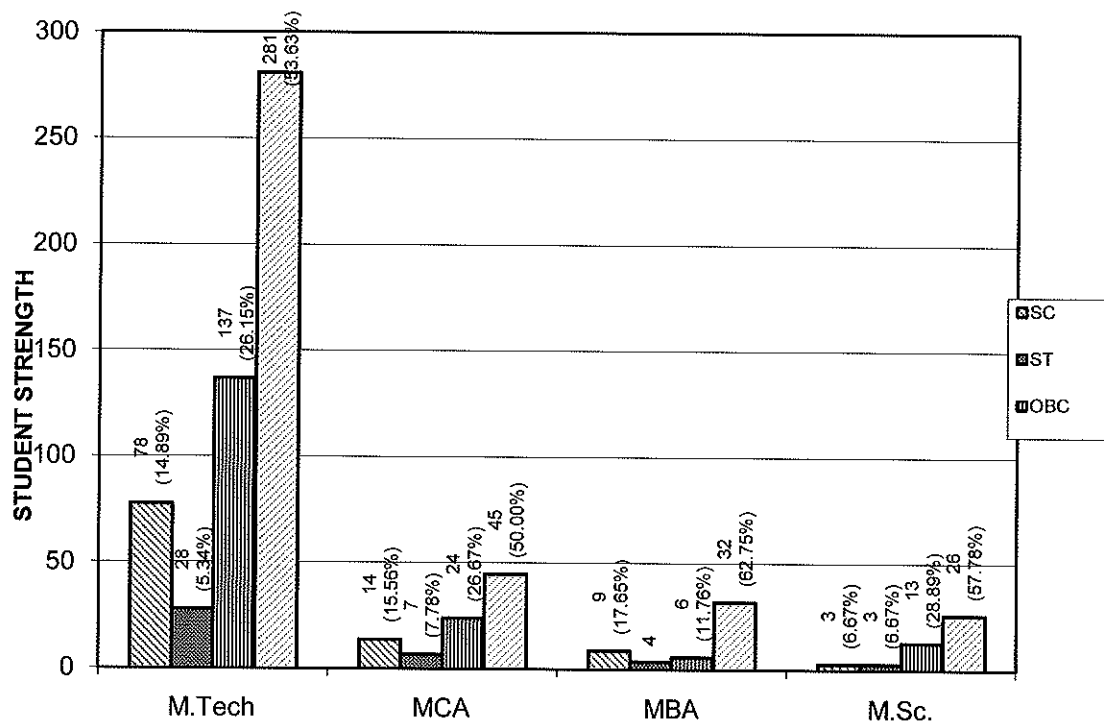
Examination Results (PG)



Growth in Enrolment of UG/PG/Ph.D. students during the Last Five Years 2008-2013



Category wise details of UG admissions 2012-13



Category wise details of PG admissions 2012-13

	6) Hydrogen storage materials-nanocarbons II Physical Chemistry 1) Nano materials 2) Solution chemistry 3) Polymer composites 4) Polymer blends 5) Biodegradable polymers 6) Nano multilayer coating) 7) Corrosion study 8) Supercapacitor materials III Organic Chemistry 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
Proposed	1) Crystallographic studies of new single crystals 2) Crystal engineering 3) Solar cells 4) OLED materials 5) NLO Materials 6) New catalysts for biodiesel 7) Gas sensors

Department of Electronics And Communication Engineering

	Specialization
Existing	In the areas of VLSI, Digital Signal Processing, Digital Communication, Error Control Coding, Free Space Optics, RF MEMS, Microwave and RF Circuits, Wireless Sensor Networks, High Frequency Electronics, Semiconductor Devices.
Proposed	Medical Imaging

Department of Electrical And Electronics Engineering

	Specialization
Existing	Power Systems, Distributed Generation, Energy system, Power Electronics and Drives, High Voltage, Wireless Sensor Networks
Proposed	Nil

Department of Humanities, Social Sciences and Management

	Specialization
Existing	<ul style="list-style-type: none"> • 6 Research Scholars are working for Ph.D Degree under the guidance of Dr. A.H. Sequeira • Areas of Specialization <ul style="list-style-type: none"> - Productivity Management - Organisational Behaviour - Service Marketing - Brand Management

	<ul style="list-style-type: none"> - Strategic Management - Retail Marketing • 5 Research Scholars are working for Ph.D Degree under the guidance of Dr. K. B. Kiran • Areas of Specialization <ul style="list-style-type: none"> - Marketing Challenges of Garment Units - Micro Health Insurance - Sustainability of Competitive Advantage - Behavioural Finance - Micro Finance • 3 Research Scholars are working for Ph.D Degree under the guidance of Dr. Shashikantha K. • Areas of Specialization <ul style="list-style-type: none"> - Modern Indian Fiction - Diasporic Studies
Proposed	Nil

Department of Information Technology

	Specialization
Existing	Multidatabase based Mining, Clustering of Large Dataset, Quantitative Datamining, Webservices & Compositions, QOS Aware Bio-Inspired MANETS, Multimedia Information Retrieval, Mobile IPV6, Super Resolution Image Processing Algorithms, Web Usage mining, GPGPU Computing – Optimizations and Network stack optimization, Software Engineering, Applied Perception, Cloud Computing, Distributed/High Performance Computing, Human Computer Interaction, Information Technology for Healthcare, Virtual Reality, 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.
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,
Proposed	Precision Manufacturing, Robotics and Control

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 Engg.:-

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

Department of Physics

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

DOCTORATES AWARDED

Department of Applied Mechanics and Hydraulics:-

	No. Awarded
Upto 31 st March 2012	37
During period 1 st April 2012 to 31 st March 2013	5

Name of the candidate	Title of the thesis	Year of Award	Guide (s)
Palakshappa K.	Impact assessment of watershed development programme – A case study of Itagi watershed, Karnataka	2012	M.K.Nagaraj, Ph.D.
Sacchi Rajappa	Experimental studies on performance of horizontal interlaced multi-layered moored floating pipe breakwater	2012	A.Vittal Hegde, Ph.D. & Subba Rao, Ph.D.
Patil Sanjay Govind	Computational intelligence in predication of wave transmission for horizontally interlaced multi-layer moored floating pipe breakwater	2012	Vittal Hegde, Ph.D. & S.Mandal, Ph.D.
Mrs. Tejaswini N. Bhagwat	Runoff dynamics in tank catchments and strategy for tank management – A case study from the Varada river basin in sub-tropical region of South India	2012	Amba Shetty, Ph.D.
Mr. Sreenivasulu D	Ground water level forecasting using Radial basis function and Generalized Regression Neural networks	2013	Paresh Chandra Deka, Ph.D.

Department of Chemical Engineering

	No. awarded
Upto 31 st March 2012	19
During period 1 st April 2012 to 31 st March 2013	2

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Mrs. Sridevi	Studies on Development of Enzyme based Biosensors for Pharmaceutical Applications	October 2012	Gopal Mugeraya, Ph.D.
Ms. Aparna A.	Studies on the Production of Biosurfactant	March 2013	G. Srinikethan, Ph.D. & Smitha Hegde, Ph.D. St. Aloysius College, Mangalore

Department of Civil Engineering

	No. awarded
Up to 31 st March 2013	
During period 1 st April 2012 to 31 st March 2013	02

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Mr. Naveen Chandra	Application Of Remote Sensing And Geographic Information Systems In Geology And Telecommunication Systems – (A Case Study In Udupi District In Karnataka State, India)	Sept 2012	K.N. Lokesh, Ph.D.
Mr. Gopinatha Nayak	Strength And Durability Studies On Self Compacting High Volume Fly-Ash Concrete Mixes	Oct 2012	M.C.Narasimhan, Ph.D. and S.V.Rajeeva, Ph.D.

Department of Computer Engineering

	No. awarded
Up to 31 st March 2013	15
During period 1 st April 2012 to 31 st March 2013	03

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Shekhar Shet N	Development of Handoff Schemes in Wireless Network	11 th June 2012	K. C. Shet, Ph.D. and K. Chandra Sekaran, Ph.D.
Annappa	Studies On Extensibility Issues In Distributed Applications	21 st September 2012	K. C. Shet, Ph.D. and K. Chandra Sekaran, Ph.D.

Tahiliani Mohit Prakash	Optimizing Congestion Avoidance And Congestion Control In Wired And Wireless Networks	18 th March 2013	K. C. Shet, Ph.D.
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Department of Chemistry

	No. awarded
Up to 31 st March 2013	24
During period 1 st April 2012 to 31 st March 2013	12

Sl.No.	Name of Candidate	Title of Thesis	Year of Award	Guide(s)
1.	P.D. Reena Kumari	Studies on Corrosion Inhibition of 6061 Al-15 Vol. Pct. SiC _(p) composites in NaOH Medium	2012	A. N. Shetty, Ph.D. & Jagannath Nayak, Ph.D.
2.	Thomas K. D. Reg. No. CY07P02	Synthesis, Characterization and Biological Studies of Some New Quinoline Derivatives	August 2012	A.V. Adhikari, Ph.D.
3.	Vishnumurthy K. A. Reg. No. CY08F09	Design and Synthesis of New Donor-Acceptor Type Conjugated Polymers for Photonic Applications	December 2012	A.V. Adhikari, Ph.D.
4.	Sunitha M. S. Reg. No. CY08F04	Synthesis and Characterization of New Donor-Acceptor Type Conjugated Polymers for NLO Applications	December 2012	A.V. Adhikari, Ph.D.
5.	Pavithra G.P.	Electrochemical development and characterization of mutual alloys of Fe-group elements	June 2012	A. C. Hegde, Ph.D.
6.	Ravindra R	Synthesis of one dimensional carbon nanostructures and its applications	July, 2012	B. Ramachandra Bhat, Ph.D.
7.	Rudresha. B.J.	Synthesis Characterization and study of nonlinear optical properties of some transition metal complexes	December, 2012	B. Ramachandra Bhat, Ph.D.
8.	Mrs. Aarti S Bhatt, (CY07 F01)	Studies On Some Magnetic Nanocomposites	2012	D. Krishna Bhat, Ph.D.
9.	Chitrakara Hegde	Synthesis and characterization of polysulfone based membranes	2012	ArunM.Isloor, Ph.D.
10.	Mahesh Padaki	Preparation, characterization and performance study of new polysulfone based nanofiltration membranes for water filtration	2012	Arun M. Isloor, Ph.D.
11.	ShridharMalladi	Synthesis characterization and biological activity of some new N-bridged heterocycles	2013	Arun M. Isloor, Ph.D.

Department of Electrical And Electronics Engineering

	No. awarded
Up to 31 st March 2011	4
During period 1 st April 2012 to 31 st March 2013	2

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Shivrudraswami R	Voltage Regulation of Power Distribution System With Interconnected Distributed Generators	2013	D N Gaonkar, Ph.D.
Sreenivasappa B. V.	Novel PWM Techniques for Three level Inverters- Application to Induction Motor Drives	2012	Udaykumar RY, Ph.D.

Department of Electronics And Communication Engineering

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Aparna P	A development of an efficient video coding based on distributed source coding	2012	Sumam David S, Ph.D.
Ramesh Kini M	Development of a dynamically reconfigurable processor core architecture for DSP Kernels	2012	Sumam David S, Ph.D.
Prashanth Kumar	Decoding algorithms for linear block codes adapting tree structure and their applicability to wireless communication and data storage systems	2012	U Sripati, Ph.D.

Department of Humanities, Social Sciences and Management

	No. awarded
Up to 31 st March 2013	5
During period 1 st April 2012 to 31 st March 2013	1

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Seema Shenoy	Strategic Alternatives For Enabling Supermarket Retailers In India Attain Competitive Advantage	2012	A.H. Sequeira, Ph.D.

Department of Information Technology

	No. awarded
Up to 31 st March 2013	4
During period 1 st April 2012 to 31 st March 2013	-

Department of Mathematical And Computational Sciences

	No. awarded
Up to 31 st March 2013	18
During period 1 st April 2012 to 31 st March 2013	6

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Shivarajkumar	A Study of directed Graph labelings	2012	S. M. Hegde, Ph.D.
Jayakaran Amalraj I	Rheodynamic Lubrication of an Externally Pressurized Thrust Bearing using Visco-Plastic Lubricants	2012	A. Kandasamy, Ph.D.
Johny Jose	Human Mobility based Routing Protocol for Delay Tolerant Networks	2012	R. J. D'Souza, Ph.D.
Sushma Palimar	Computations in p -adic Discrete Dynamics and Real Quadratic Fields	2012	B. R. Shankar, Ph.D.
Shiva Murthy G	A Novel Energy Efficient Routing Protocol for Wireless Sensor Networks	2013	R. J. D'Souza, Ph.D.
Lolita Priya Castelino	A Study of Harmonious and Complete Colorings of Digraphs	2013	S. M. Hegde, Ph.D.

Department of Mechanical Engineering

	No. awarded
Upto 31 st March 2013	42
During period 1 st April 2012 to 31 st March 2013	10

Name of the candidate	Title of thesis	Year of award	Guide(s)
Sathyabhama A	Experimental investigation of bubble point temperature and boiling heat transfer coefficient for ammonia-water and ammonia-water-salt systems	2012	T. P. Ashok Babu, Ph.D.

Ramakrishna N Hegde	Investigations on pool boiling heat transfer characteristics of CuO and Alumina nanofluids	2012	Srikantha S Rao, Ph.D. RanaPratap Reddy, Ph.D.
Rajesh Rai P	Study of milling process and optimization of cutting parameters	2012	Srikantha S Rao, Ph.D. N S Sriram, Ph.D.
Ahmed Ramzy Abbas Kattaya	Theoretical and experimental investigations to enhance the transient heat and moisture transfer in vertical desiccant packed bed	2012	T. P. Ashok Babu, Ph.D. Ravikiran Kadoli, Ph.D.
Suma H	Numerically stable algorithm for pole assignment in linear multivariable systems using output feedback and its applications	2012	Appu Kuttan K K, Ph.D.
Navin Karanth P	Modeling and experimental studies on polyvinylidene fluoride (PVDF) film for actuation and sensory applications	2012	S M Kulkarni, Ph.D. Vijay Desai, Ph.D.
Sridhar Mahalsekar D	Development of a prediction system for tool wear in face milling operation	2012	Srikantha S Rao, Ph.D. K V Gangadharan, Ph.D.
Dayananda Pai K	Performance evaluation and optimization of surface grinding process for grinding of aluminum based metal matrix composites using response surface methodology and a novel genetic algorithm approach	2013	Srikantha S Rao, Ph.D.
NarasimhaMarakala	Fluid and thermal induced vibration in thin slender tube.	2012	K KappuKuttan, Ph.D. and RavikiranKadoli, Ph.D.
Kiran Aithal S	Development and characterization of functionally graded Al-Si alloy system and Al-Si / SiC _p composites using centrifuge casting	2013	Vijay Desai, Ph.D. Narendranath S, Ph.D.
Anil Kumar H Chavadannavar	Mechanical and tribological characterization of fly ash reinforced Aluminium alloy 6061 composites	June 2011	H.Suresh Hebbar, Ph.D.
Umashankar K S	Studies on damping and machining characteristics of multiwall carbon nano-tube reinforced Al and Al-Si alloy composites	July 2011	Vijay Desai, Ph.D. and Gangadharan, Ph.D.

Department of Mining Engineering

Up to 31 st March 2013 (During period 1 st April 2012 to 31 st March 2013)	No. awarded 02
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Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Rajesh Kumar. B	Development of regression and artificial neural network models for prediction of rock properties from sound levels of rotary drilling	2012	Harsha Vardhan, Ph.D. & Govinda Raj M, Ph.D.

Shanth R Thimmaiah	Research work on socio-economic and environmental impact studies due to mining at Bellary-Hospet sector	2013	Y.V. Rao, Ph.D. & Ch.S.N Murthy, Ph.D.
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Department of Metallurgical and Materials Engineering

	No. awarded
Up to 31 st March 2012	22
During period 1 st April 2012 to 31 st March 2013	1

No. of Candidates	Title of Thesis	Year of Award	Guide (s)
Mrs. Geethalakshmi K.	Containerless Extrusion of Al – Zn – Mg Alloys	2012	A. O. Surendranathan, Ph.D.

Department of Physics

	No. awarded
Up to 31 st March 2013	11
During period 1 st April 2012 to 31 st March 2013	1

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Sujaya.c	Effect of pulsed laser deposited ceramic coatings on microhardness and corrosion behavior of Titanium, Ti6Al4V and inconel	2012	(Mrs.) H.D. Shashikala, Ph.D.

10.0 HUMAN RESOURCES

10.1 STAFF POSITION

	Number
a) Teaching Staff	
Professors	71
Associate Professors	36
Assistant Professors	87
Other staff, A.P.D. & System Manager}	02

	196
b) Non-Teaching Staff	
Administrative Officers	5
Technical supporting staff	39
Non-technical supporting staff	174

	218

THE STAFF

(A) Administration Staff (Teaching)

Director: (Head of the Institution)

Sandeep Sancheti, Ph.D. till 31.7.2012

Swapan Bhattacharya, Ph.D. from 1.8.2012

Dean (Academic)

(Mrs) Sumam David, Ph.D.

Dean (Planning and Development)

Lakshman Nandagiri, Ph.D.

Dean (Faculty Welfare)

K. C. Shet, Ph.D. till 17.1.2013

A Kandasamy, Ph.D. from 18.1.2013

Dean (Student's Welfare)

Gopal Mugeraya, Ph.D.

Dean (Research & Consultancy)

G Umesh, Ph.D.

Associate Deans

Jagannath Nayak, Ph.D. (PG)

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

Subhas C Yaragal, Ph.D. (UG)

Dwarakish G.S., Ph.D. (Students Welfare)

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) HOD
Subba Rao, Ph.D. (Mangalore University)
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)

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)
M.B. Saidutta, Ph.D. (I.I.T. Bombay) HOD till 31.8.2012

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) on QIP at IIT Delhi
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)

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) on subbatical leave
A.U. Ravi Shankar, Ph.D (Univ. of Roorkee) HOD
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)

Department of Computer Engineering

Professors:

K. Chandrashekar Shet, Ph.D. (I.I.T. Mumbai)
K. Chandrasekaran, Ph.D. (J.N.T.U.)

Associate Professor

K. Vinayakumar, M.Tech. (I.I.T. Bombay)
Shanthy Thilagam, Ph.D. (NITK) HOD till 16.8.2012
Vani M., M.Tech. (NITK, Surathkal)
Annappa, Ph.D (NITK, Surathkal) HOD from 17.8.2012

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)
Shashidhar G Koolagudi, (IIT Kharagpur)
Jeny Rajan (University of Antwerpen, Belgium)

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 from 11.8.2011
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)

**Department of Electronics And Communication Engineering
Professors:**

S. Sumam David, Ph.D. (I.I.T. Madras)

Muralidhar Kulkarni, Ph.D. (JMI – New Delhi), HOD

M. Shankarnarayan Bhat, Ph.D. (I.I.Sc., Bangalore)

John D'Souza, Ph.D. (I.I.T.Kharagpur)

Associate Professors:

M. Ramesh Kini, M.Tech. (Mangalore University)

U. Sripati, Ph.D., (I.I.Sc., Bangalore)

Neelavar Shekar Shet, M.E. (University of Roorkee)

Laxminidhi T., Ph.D. (IIT, Madras)

Assistant Professors:

Rekha S., M.Tech. (Mangalore University)

Kalpna G. Bhat, M.E. (BVB Hubli)

Aparna P., Ph.D. (NITK)

Joseph Antony A., M.E. (Anna Univ., Chennai)

B. Nagavel, M.E., (Jadavpur University) on QIP at IIT Kharagpur

Krishna Moorthy K., M.E. (Anna Univ., Chennai)

Deepu Vijayasenana, 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

**Department of Electrical And Electronics Engineering
Professors:**

Udayakumar R.Y., Ph.D. (IIT Bombay)

K. Panduranga Vittal, Ph.D. (Mangalore Univ.) HOD

Associate Professors:

Jora M. Gonda, M.E. (I.I.Sc. Bangalore)

Shubhanga K.N., Ph.D. (IIT, Bombay)

K. Rajagopal, M.Tech. (I.I.T. Kharagpur)

Vinatha U., M.Tech (Mangalore Univ.)

Gururaj S. Puneekar, 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)

Department of Humanities, Social Sciences & Management

Professor

A.H. Sequeira, Ph.D., (Mysore University)

Associate Professor:

K.B.Kiran, Ph.D. (Mangalore Univ.)
Shashikantha K., Ph.D. (University of Hyderabad) HOD from 2.9.2011

Assistant Professor:

Bijuna C. Mohan, MBA (Calicut University)
Rashmi Uchil, PCPBA (MCC, Bangalore)
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)

Department of Information Technology

Professor

Ananthanarayana V.S., Ph.D. (I.I.Sc. Bangalore) HOD from 17.8.2012
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)

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.) (HOD) till 16.8.2012
Santhosh George, Ph.D. (Goa University)
Murulidhar N.N., Ph.D. (I.I.T. Bombay) HOD from 17.8.2012

Associate Professors:

Shyam Srinivas Karnath, Ph.D. (Karnataka Univ.)
B.R. Shankar, Ph.D. (I.I.Sc., Bangalore)
Sujatha D. Achar, M.Sc. (Karnatak Univ.)
R. Madhusudhan., M.Tech. (Mangalore University)

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)
Sukumar D., Ph.D. (IIT, Madras)
Jidesh P., M.Tech. (University of Kerala)
Satyanarayana Engu, Ph.D., (IIT Madras)
Vishwanath Kadaba Puttanna, Ph.D., (NITK)

**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) (HOD) till 21.1.2013
H. Suresh Hebbar, Ph.D. (I.I.T. Delhi)
Prasad Krishna, Ph.D., (Univ. of Michigan, Ann Arbor, USA) HOD from 22.1.2013
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)
Mervin A. Herbert, Ph.D. (I.I.T., Kharagpur)
Vasudeva M., M.Tech. (I.I.T. Bombay) (on QIP deputation for Ph.D)
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. (Mangalore University)
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, M.Tech. (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)

Department of Mining Engineering

Professors:

Y. Venkateshwara Rao, Dr.Ing. (Freiberg) retired on 31.1.2013
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) HOD till 16.8.2012
M. Aruna, B.E. Ph.D. (University of Dhanbad) HOD from 17.8.2012

Assistant Professor:

K. Ramachander, Ph.D. (NITK)

Department Of Metallurgical & Materials Engineering

Professors:

K. Rajendra Udupa, Ph.D. (I.I.Sc. Bangalore)
A.O. Surendranathan, Ph.D. (Mangalore University) (H.O.D.) till 19.4.2011
K. Narayana Prabhu, Ph.D. (Mangalore Univ.)HOD from 20.4.2011
Jagannatha Nayak, Ph.D. (NITK)

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, M.E., (NIT, Jaipur)
Ravishankar K.S., Ph.D. (NITK)
Mohammad Rizwanur Rahman, Ph.D., (Keio University, Japan)
Sreeram K. Kalpathy, Ph.D., (University of Minnesota)

Department of Physics

Professor:

G.K. Shivakumar, Ph.D. (Sardar Patel Univ., Gujarat)
G. Umesh Ph.D. (I.I.T. - Delhi)
Kasturi V Bangera, Ph.D. (Mangalore Univ.)
H.D. Shashikala Ph.D (Osmania Univ.)
Udayashankar N.K., Ph.D. (I.I.Sc. Bangalore) HOD from 11.8.2011

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)

ADMINISTRATIVE AND OTHER STAFF

Registrar:

M.Govinda Raj, Ph.D. (officiating) till 11.11.2012

Deputy Registrar (Academic):

Ravindranath K., M.A. (Mangalore University) officiating Registrar from 12.11.2012

Deputy Registrar (Accounts):

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

Resident Engineer:

Shashidhar Shetty

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 Affairs:

Udaya Kumar R Y, Ph.D.

2 NITK ENGG. COY N.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.

Central Public Information Officer (CPIO):

K. Ravindranath, Dy. Registrar(Academic)

OTHER SECTIONS

**Department of Training & Placement
Professor:**

R Shivashankar, Ph.D.

Assistant Proctor:

S.R. Kumbhar, M.A., B.Lib.Sc. ADISC

**Industry Institute Partnership Cell
Professor I/c.:**

Full Time Officer:

S. Shrihari, Ph.D.

SC/ST Cell

B Raj Mohan, Ph.D.

Physical Education

Physical Director:

Vacant

Assistant Physical Director Sr. Scale:

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

Library

Librarian:

Vacant from 17.5.2011

Asst. Librarian:

Anasuya Chakari, M.A. M.Lib.Sc. (Karnataka University) Library Incharge from 17.5.2011

Central Computer Centre

Chairman / System Manager:

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

System Analyst:

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

NITK - Science & Technology Entrepreneurs' Park

Director:

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

Administration-cum-Finance Officer:

Jayakrishna H.R., M.Com. (Karnatak University), C.A (Inter), M.B.A., M.A. Economic (Mangalore University)

R&D Centre on Clay Roofing Tiles

Faculty Incharge:

S.M. Kulkarni, Ph.D.

**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.

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 Posts	In Position
1.	Registrar	1
2.	Dy.Registrar(Academic)	1
3.	Dy.Registrar(Accounts)	1
4.	Resident Medical Officer	1
5.	Medical Officer	1
6.	Resident Engineer	1*
7.	System Analyst	1
8.	Asst. Librarian	1
9.	Jr. Engineer	16
10.	Foremen	17
11.	Programmer/Operator	7
12.	Superintendent	5
13.	Watch and Ward Officer	1
14.	Draftsman	7
15.	Library Asst.	2
16.	Store-keeper/F.D.A./Cashier	6
17.	Stenographer	4
18.	Typist	3
19.	S.D.A./Asst.Cashier	17

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20.	Jr. Lib.Asst.	6	
21.	Blue Print Operator	1	
22.	Clerk-cum-typist	7	
23.	Telephone Operator	1**	
24.	Laboratory Asst.	2	
25.	Mechanics	9	
26.	Work Inspector/Garden Superintendent	1	
27.	Lab Technician	1	
28.	Pharmacist	2	
29.	Cook	1**	
30.	Attenders/Helpers/Hostel Asst. /Daffedar	31	
Sl.No	Name of Posts		In Position
31.	Manager/Caretaker	1	
32.	Peon/Male Servant/Masalchi/Watchman/ Sweeper/Cleaner/Gardener/Nursing orderly	52	
33.	Driver	3	
34.	Asst.Mechanic/Wireman/Mechanic Grade II	14	
35.	Asst.Programmer	3	
	Total	212	

* On deputation

** On contract basis

11.0 FACILITIES/AMENITIES

11.1 Hostels

The Institute reopened on 23/07/2012 for Under-graduate and Post-graduate studies as per Academic Calendar for the year 2012-13. All the students including foreign students are accommodated in the hostels as follows:-

	Male	Female	Total No.of Hostellers
Undergraduate Programmes	2675	434	3109
Postgraduate Programmes(M.Tech)	670	210	880
Ph.D	116	34	150
M.B.A	60	12	72
M.Sc	16	37	53
MCA	200	67	267
Total	3737	794	4531

Male students are accommodated in Eleven Hostel Blocks. PG students have been accommodated in PG Block, VII block, VIII Block, V Block and Mega Hostel and PhD students have been accommodated in Mega Hostel. There are four hostels for Lady Students with total accommodation capacity of 794 .

Nine messes of different types are provided in the boys hostels with necessary infrastructure to cater to the different food habits of the students coming from all parts of the country. The girls hostel has a separate mess. 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 2013 is as follows:

1	I Block Mess	Rs.1542.00
2	II Block Mess	Rs.1542.00
3	III Block Mess	Rs.1542.00
4	IV Block Mess	Rs.2035.00
5	V Block Mess	Rs.1542.00
6	VII Block Mess	Rs.1542.00
7	VIII Block Mess	Rs.1542.00
8	PG Block Mess	Rs.1542.00
9	Mega Hostel Mess	Rs.1542.00
10	GH Mess	Rs.1384.00
11	IH Mess (New Girls Hostel Mess)	Rs.1384.00

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 been connected with Internet facilities.

During the year under report, Medical Relief to the tune of Rs.4608/- has been sanctioned to students of the hostel blocks as per the recommendation of the Block Wardens and Institute Resident Medical Officers, for their hospitalization in 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 are formed per each block for proper 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. Udayakumar R.Y. is working as a Chief Warden of NITKS Hostels.

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

Udayakumar R.Y, Ph.D.	Chief Warden
Narendranath S, Ph.D.	Warden (Finance)
Basavaraju Manu, Ph.D.	Warden, I Hostel Block
I. Raghupathi, Ph.D.	Warden, II Hostel Block
Arun M. Isloor, Ph.D.	Warden, III Hostel Block
Merwin A. Herbert, Ph.D.	Warden, IV Hostel Block
Kumar G. N., Ph.D.	Warden, V Hostel Block
Biju R. Mohan, Ph.D.	Warden, PG Hostel Block
Nagaraja H. S., Ph.D.	Warden, VII Hostel Block
B. M. Dodamani, Ph.D.	Warden, VIII Hostel Block
Debashisha Jena, Ph.D.	Warden, Mega Hostel Tower II
Ajith K. M, Ph.D.	Warden, Mega Hostel Tower II
Sunil B.M., Ph.D.	Warden, Mega Hostel Tower III
Aruna M, Ph.D.	Warden, Mega Hostel Tower III
K. Ram Chandar, Ph.D.	Warden, Mega Hostel Tower I
Mrs. Kalpana Bhat, M.Tech.	Warden, Girls Hostel Block

Prof. Swapan Bhattacharya, Director is Ex-officio President of NITKS Hostels. He being the President for hostels will be giving guidance to the Council of Wardens time to time for the smooth administration and functioning 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 24x7 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 data centre is expanded to support the additional demands. The Institute is part of National Knowledge Network (NKN). The Institute 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 800 students/users at a time. The collection of books is 1,27,337 including Book-Bank books, subscribes 362 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. The Library has a Carpet area of 2758.56s meters.

1. The Statistical figures of the Library Books, Periodicals, Codes, etc. are as follows:

Sl. No.	Item or Facilities	Numbers added during the year 2012-13	Cost added during the year 2012-13	Total nos. up to 31-3-2013	Total cost up to 31-3-2013
1	General Library Books (Including TEQIP books)	2265	35,18,665.00	97288	6,50,31,743.00
2	Book-Bank Books	--	--	22704	26,99,138.77
3	Book-Bank Books SC/ST	--	--	7345	12,06,498.90
4	ISI Codes	--	--	15454	--
5	Microfilm	--	--	1510	--
6	Video Cassettes	--	--	58	--
7	Periodicals Subscribed	362	--	362	1,66,34,222
8	CD-ROM collection:				
	Purchased	--	--	40	2,88,755.00
	Received along with books	61	--	1413	--
9	Books received under TEQIP	--	--	656	30,34,570.00

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 600 students/users at a time. At present, the library has a collection of around 1,27,337 books besides subscribing to around 362 National and International Journals.

Infrastructure:

The Library is day-to-day operations are automated and issue and return of all the books are done through computers. The computer terminals provided 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.

Digital Library

A separate Digital Library has been established under funding from TEQIP Phase-I with resources being shared with 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 Sciences and Technology Consortium (INDEST-AICTE Consortium).

Some of the services available in the digital library are:

- Collection and development of library materials in the digital form.
- ON-LINE search for books using On-line Public Access Catalog (OPAC).
- ON-LINE electronic journal access through INDEST consortium.
- CD ROMs server with reference materials like Encyclopedias, Engineering index, hand books etc.
- Technical reports of Bureau of Indian Standards (BIS) in digital form.
- Promotion of research publication of the Institute.
- ON-LINE access to other libraries such as IIT's, NIT's, DELNET, etc.
- Intranet and internet services.

E-Resources

Apart from the print journals, library is subscribing e-journals from 15 databases through Indian National Digital Library in Engineering Science and Technology Consortium (INDEST-AICTE consortium). About 2000 full texts (including Library purchased 420 Journals from Taylor & Francis database) and about 7500 abstracting e-journals are available in our campus network. It provides access to various full text and abstract databases like ACM, ASCE, ASTM Standard IEL online (IEEE), J-gate, Science Direct, Springer Verlag, MathScinet and Indian Standards. Documents delivery facility also provided through JCCC. Necessary links are provided through our library and institution home pages (www.nitk.ac.in)

Future Plans

- Establishment of separate building for the library.
- Resource sharing with NIT's IIT's and industries.
- E-journal and E-books subscription.
- Preservation and protection of the rare books in digital form.
- On line Information to industries.

11.4 CENTRE FOR CONTINUING EDUCATION

Objectives:

Knowledge in Science and technology is fast expanding. A professional cannot manage his entire career meaningfully just from the education he received as part of formal education in his early life. For the effective functioning of the institutions and industries, it is essential to continuously update and broaden the knowledge of the professionals by mutual interaction. The present day knowledge is so vast that everything cannot be imparted to a student as part of the formal education. Therefore the Government of India has recognized Non-formal and Continuing Education as one of the main areas of thrust in its new education policy. It was in this context the CENTRE FOR CONTINUING EDUCATION (C.C.E) was started in NITK, Surathkal (then KREC) in the year 1987, and has been involved in conducting several short term as well as extension courses for the working professionals from engineering and technical fields on wide-ranging topics utilizing the manpower and resources available in the Institute.

Administration:

The C.C.E. is managed by an Advisory Committee consisting of a Chairman, Secretary and Members from all departments of the Institution. All the members of this committee are the permanent faculty members of this Institution. The Director of NITK is the President of the Centre. The Committee monitors the activities as well as the funds of the Centre. The accounts section of the Institution scrutinizes all the accounts submitted by the Centre and also they are audited every year as per the Institution procedure.

The C.C.E. is a self-supporting Centre and the recurring expenditures of the Centre such as salary to a staff and office maintenance work etc., are met out of the revenue generated by the Centre through conducting various programmes.

Sl.No.	Title of the Course	Duration	No.of Partici-pants	Type of Programme
1	Japanese Language Course	28-08-2012 to 30-11-2012	61	Extension Course for NITK students.
2	Basic Computer Aided Drawing	28-09-2012 to 26-10-2012	87	Extension course for 3 rd Sem B.Tech. Civil Engineering Students.
Total No. of students benefitted			148	

Details of MHRD Sponsored Summer Schools , Winter Schools & Short term Courses Conducted through CCE-NITK

Year	SUMMER SCHOOLS			WINTER SCHOOLS			TOTAL		
	No. of Progra-mmes	No.of Partici-pants	Amount Spent (Rs.)	No. of Progra-mmes	No.of Partici-pants	Amount Spent (Rs.)	No. of Progra-mmes	No.of Partici-pants	Amount Spent (Rs.)
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>2+5</i>	<i>3+6</i>	<i>4+7</i>
2009-10	12	386	33,18,586	02	77	4,69,929	14	463	37,88,515
2010-11	05	249	16,89,873	Nil	Nil	Nil	05	249	16,89,873

2011-12	09	316	19,30,381	Nil	Nil	Nil	09	316	19,30,381
Grand Total (Rs.)							28	1,028	74,08,769

Year	Summer Schools	Winter Schools	Short Term Courses	Total
2008-09	-	-	07	07
2009-10	12	02	06	20
2010-11	05	-	05	10
2011-12	09	-	02	11

11.5 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 (BOAT).

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.

11.6 LABORATORIES

Department of Applied Mechanics And Hydraulics

Name of the Laboratory	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 ARC/INFO Master Lab. Kit , Geomedia Professional.
Computer Laboratory	Computer systems : 15 No.s Laser printer, Inkjet printer Scanner

Department of Chemical Engineering

Name of the Laboratory	Major Equipment/Facilities
Advanced Instrumentation Lab & Project Lab. PG block	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, CO2 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 workstation; Membrane Testing system; Distillation Unit; Incubating Orbital Shaker;
Testing & Consultancy Lab.& Project Lab. UG Block.	Biosafety Cabinet, 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, H2, He & N2, 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
Computer Lab.	25 nos. of computers (IBM, DELL, HP) for students use.

Department of Civil Engineering

Name of the Laboratory	Major Equipment/Facilities
Civil Engineering Material Testing Laboratory	3000 kN Compression Testing Machine Vee-Bee Test Apparatus, Rebound Hammer
Earthquake Engineering Laboratory	Mini Shake Table, Accelerometers with data acquisition system, Miniature form of Soil-Structure Interaction Study system.
Environmental Engineering Laboratory	UV Spectro-photometer, Voltametry,
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.
Structures Laboratory	In-situ Ion Migration Tester, Muffle Furnace, Flexural loading system.
Survey Stores	Total Station

Department of Computer Engineering

Name of the Laboratory	Major Equipment/Facilities
Windows Lab	45 Intel Dual Core Computers with Windows XP/Linux Operating System built with Internet facility and Campus wide network. Used for conducting regular UG Lab classes.
Intel Lab	18 Intel Core2 Duo Computers with Windows XP/Linux OS connected to campus wide network. Used for conducting regular UG labs.
Software Lab	30 Intel Pentium IV Computers with Windows XP Operating System built with Internet facility and Campus wide network. Used for conducting regular UG Lab classes.
MHRD Lab	30 Intel Pentium IV Computers with Windows XP Operating System built with Internet facility and Campus wide network. Used for conducting regular UG Lab classes.
IPG Lab	45 Intel Core-i7/core2 Duo Computers with Windows XP/ Windows 7/Linux Operating System connected to Internet/ LAN. Used for regular Lab work for First Year PG Students.
Information Security Lab	30 Intel Core-i7 Computers with Windows 7/Linux Operating System connected to Internet/ LAN with wireless access points. Used for second year M.Tech (IS) Project Students.
PG Project Lab I	21 Intel Core-i7 Computers with Windows 7/Linux OS for second year M.Tech.(CSE) Project Work.
PG Project Lab II	08 Intel Core-i7 Computers with Windows 7/Linux for second year M.Tech.(CSE) Project Work.
Research Lab	08 Pentium Core-i5/i7 Computers with Windows 7/Linux OS with Internet and LAN facility Ph.D. /Research Work
Digital Systems Lab	Hardware Lab for experiments on Counters, Flip-Flops, Multiplexer, Adders etc.
Server Lab/IBM Open	7 High End IBM Xeon Series Servers with Windows 2000, Windows 2003,

Power System Lab	Linux, Netware Operating Systems. 1 IBM P-Series Open Power Server with HMC Firmware. These servers are used for system Administration and Conducting regular laboratory classes, Project and Research Works.
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Department of Electrical and Electronics Engineering

Name of the 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.

Department of Electronics And Communication Engineering

Name of the 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

	<p>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.</p>
RF Communication Lab	<p>RF Equipments: 3GHz Spectrum Analyzer RF Training Kit RF Signal Generator 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 EDA Tools Digital Sourcemeter (2400) Safety universal Test Lead kit Vector Network analyzer 40GHz & Accessories</p> <p>Software: Genesis Core Bundle License Agilent VEE 8.5 , ADS 10 User Licence, Optsim 5 User Licence</p>
VLSI Lab	<p>Dell Precision T1500 & T1600 with Intel core I7-870 Workstations File Server Synopsys Tools Mentor Graphics Tools Magma EDA tools Xilinx Tools Tanner Tools</p>
DSP Lab	<p>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</p>
Microprocessor & Embedded	<p>Cadance ORCAD PSPICE A/D, PCB design tools</p>

Systems Lab	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 the Laboratory	Major Equipment/Facilities
Computer Lab	It has the capacity of 22 terminals and provides access to a host of essential software like SAP, Open-office, Clarity Language Teaching Modules, etc.

Department of Information Technology

Name of the Laboratory	Major Equipment/Facilities
Research laboratory	HP SR 638181-371 ML 350 Server - 1 no Network Distribution Switch (Summit X440) - 1 no High End Desktop Computers (HP Compaq 8300 Elite) - 30 nos Memsic Classroom Kit and Memsic WSN Professional Kit - 1 each
System Software Laboratory	
Data Processing Laboratory	
Internet Technology Laboratory	
Digital System & Interfacing Laboratory	
PG Lab I	
PG Lab II	
UG Laboratory	
Project Lab	

Department of Mathematical And Computational Sciences

Name of the Laboratory	Major Equipment/Facilities
SACA Lab	110 P.C.s

Department of Mechanical Engineering

Name of the 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

Department of Mining Engineering

Name of the Laboratory	Major Equipment/Facilities
Rock Mechanics Laboratory	Rock cutting machine Compression testing machine Schimiditt hammer Digital inclinometer Core drilling machine Other rock cutting facilities
Rock Blasting Laboratory	Minimates Minimate plus High speed video camera VOD monitor Laser profile, WIPFRAG software
Rock Drilling Laboratory	Jack hammer drilling set-up Air compressor Modified lathe machine for rock cutting
Slope Stability Laboratory	Rectangular frame Data acquisition system Manometer Water pollution monitoring kit Respirable dust sampler Sound level meter Gas testing set up
Mine Environmental Engineering Laboratory	
Mineral Processing Laboratory	Jaw crusher Ball mill Rod mill Magnetic separator Sieve shaker Hot air oven Wilfley's table Jigging apparatus Froath flotation apparatus
Mine Surveying Laboratory	Digital theodolite, Dumpy level Micro-optic theodolite, Vernier theodolite Total station, Digital auto level, Handheld GPS
Mine Planning and Design Laboratory	HP Compaq Presario computer D-link manageable switch HP 3200 A4 scanner HP 1010/1015 Laser printer

Mine Health & Safety Laboratory	<p>HP plotter Surpac software Reliability software Sirovision software J K Sim blast software</p> <p>Human vibration measuring apparatus Digital millivolt meter Machine vibration measuring apparatus Larson & Davis noise dose meter</p>
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 the 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 Microscope 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 Microscope 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 the Laboratory	Major Equipment/Facilities
UG Laboratory	<ul style="list-style-type: none"> • Experimental Kits (8 expt.s of 5 sets each)
PG Laboratory I	<ul style="list-style-type: none"> • Experimental Kits (7 expt.s of 2 sets each)
PG Laboratory II	<ul style="list-style-type: none"> • Experimental Kits (7 expt.s) • Vacuum Coating Unit (2 no.s)
Research Laboratories:	
Thin Film Laboratory	<ul style="list-style-type: none"> • Physical vapor Deposition unit • Planar Magnetron RF- DC Sputtering Unit • Spray Pyrolysis Unit • Keithley Source meter
Optoelectronics Laboratory	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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

11.7 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 equipments/facilitates
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	A Lathe, A Shearing Machine, Electrically operated Power Saw, and Welding Transformer.

Department of Electrical and Electronics Engineering

Name of Workshop	Major Equipment/Facilities
Electrical machining and Winding Workshop	Lathe, Drilling machine, Motor winding machine
PCB workshop	PCB Prototyping machine (COLLINBUS)

Department of Electronics And Communication Engineering

Name of Workshops
<ul style="list-style-type: none"> ➤ Training programme conducted on 02/10/2012 on "iSENSE WSN Dedesign Kits" by Nihon communication solutions Ltd , Bangalore . (60 students from E & C and CSE attended, M.Tech and B.Tech) coordinated by Mr. N S V Shet and Dr. M. Kulkarni. ➤ Training programme conducted on 05/01/2013 & 06/01/2013 on "NetSim software" by Tetcos Bangalore (46 students from E & C and CSE attended, M.Tech and B.Tech) coordinated by Mr. N S V Shet and Dr. M. Kulkarni. ➤ Faculty Development programme on Intel Embedded Initiative conducted on 06/01/2013 & 07/01/2013 (16 faculty & 18 students from E & C and CSE attended, M.Tech and B.Tech) coordinated by Dr.Aparna, Dr.Ramesh Kini & Dr.Sumam David. ➤ Faculty Development programme on Intel Embedded Initiative conducted on 06/01/2013 & 07/01/2013 (16 faculty & 18 students from E & C and CSE attended, M.Tech and B.Tech) coordinated by Dr.Aparna, Dr.Ramesh Kini & Dr.Sumam David. ➤ One day Training Program on Programmable System on Chip by Cypress Semiconductors on 26th July 2013 coordinated by Dr.Aparna. ➤ One day workshop on Academic PCB Design on 6th Oct.2012(78 students from E & C Dept attended) coordinated by Mr.Bharath Shenoy and Mrs Lakshmi Poola.

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

11.8 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.

11.9 PHYSICAL EDUCATION FACILITIES

Dept. of Physical Education and Games

PARTICIPATION

- 1) Football team in Independence Cup, Dasara Tournaments DKDFA, District League Football tournament, All India Inter NIT Tournament held at SV NIT Surat, P C Zahir memorial South India inter Professional collegiate Football Tournament held at Yenepoya University, "REVELS" All India Inter engineering collegiate tournament, and other Invitational Tournaments.
- 2) Cricket team in KSCA Second Division League cricket Tournament, All India Inter NIT Cricket Tournament, and DKCA Inter club T-20 Cricket tournament organized by DKCA for affiliated clubs from Mangalore and Udupi Districts.
- 3) Basketball (Men & Women) team in Dasara District level tournament, 5th BSA Kumar Inter collegiate Basketball tournament conducted by Yenepoy University, All India Inter NIT Tournament held at NIT Trichy, DK District Basketball Association Neigh smith cup tournament, "REVELS" All India Inter Engineering Collegiate Tournament and Slam Dunk Basketball Tournaments.
- 4) Chess Team: Monsoon Chess Tournament, All India Inter NIT Chess tournament held at NIT, Thiruchirapalli.
- 5) Badminton (Men & Women) Teams in Dasara, All India Inter NIT Tournament held at SVNIT Surat, VIT Vellore All India Inter collegiate tournament and "REVELS" All India Inter Engineering Collgiate Tournaments.
- 6) Hockey (Men) – Dasara Tournaments, DK District League Hockey tournament, All India Inter NIT Tournament, "REVELS" All India Inter Engineering Collegiate tournament.
- 7) Tennis (Men) team in All India Inter NIT Tennis Tournament Held at NIT Trichy and "REVELS" All India Inter Engineering Collegiate tournament.
- 8) Aquatics Men & Women teams in Dasara District championship, All India Inter NIT Aquatics held at NITK Surathkal and "REVELS" All India Inter Engineering Collegiate competitions.

- 9) Table Tennis: Men & Women teams in Dasara District level, YMCA Cup District TT Championship, All India Inter NIT TT tournament held at NIT Thiruchirapalli and All India Intercollegiate TT tournament held at BITS Goa, "REVELS" All India Inter Engineering Collegiate invitational Tournaments held at MIT Manipal.
- 10) Volley Ball: All India Inter NIT Volleyball Tournament held at SVNIT Surat and "REVELS" All India Inter Engineering Collegiate tournament.
- 11) Athletics Men & Women in All India Inter NIT Athletic Championships and "REVELS" All India Inter Engineering Collegiate Championships.
- 12) Ball badminton Men and women teams in All India Inter NIT Tournament held at NITK, Surathkal
- 13) Handball: All Ondia Inter NIT Tournament held at NIT Thiruchirapalli.
- 14) Kho-Kho: Men in All India Inter NIT tournament held at SVNIT Surat.

ORGANISATION:-

D K District Inter School Hockey, Dasara District level Hockey, Karnataka State Law University Inter Collegiate Cricket, Rajeev Gandhi Health University, Mysore Zone Intercollegiate Cricket and Mangalore University Inter Collegiate Cricket tournaments were organized at our Institute Grounds by taking help of DPES. KSCA Mangalore Zone I, II & III Division league Cricket tournaments were held at our grounds. An Intra-Mural Athletics and Aquatics competitions were conducted by DPES during the year 2012-13, for our students and response from students was overwhelming. All India Inter NIT Sports in Athletics Men & Women, Aquatics, Men and Women, Ball Badminton, Men & Women Section and

Hockey Men were organized at our Institute during 22nd to 24th March 2013. Slam Dunk' Basketball Tournament was organized for invited Institutions all over Karnataka, Kerala and Tamilnadu during 13th to 17th of March 2013. Phoenix-2012-13 an Inter year Sports and Games competition has been organized during the months of March & April.

11.10 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.

12.0 STUDENT ACTIVITIES

12.1 STUDENTS UNION

Election to the Students' Union of the Institute was held on 21.4.2012 and the following office bearers were elected:

- | | |
|------------------------|------------------------|
| 1. Mr. Bevin Mathew | - President |
| 2. Mr. Anmol J Bhattad | - Secretary |
| 3. Mr. Laksh Kumar P | - Joint Secretary |
| 4. Ms. Novi Kapoor | - Girls representative |

12.2 GAMES AND SPORTS

This Institution had a long history of glorious achievements in the field of sports winning overall team championships of Mysore University, Mangalore University and All India Inter NIT sports championships when ever organized and participated. Physical Education Department has been putting all efforts to maintain the same standard all these days. All Sports and Games activities are systematically planned and implemented throughout the year by the Department of Physical Education and Sports, with a mission of all round development of Physical fitness and good health among all, through active participation in Sports and Games. The Institution has well maintained, excellent Sports infrastructures like separate play fields of standard measurements for all major Games and Sports, Indoor Hall for minor Games, International standard Swimming Pool, well equipped Weight training Hall (Gym) etc. High quality sports equipments are provided for the use of all residents of the campus and surrounding community.

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)Hockey, 11) Kabaddi, 12) Kho-Kho, 13) Table Tennis 14) Tennis,15) Volleyball, 16) Weight Lifting and Power Lifting, in Boys section and 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 Football, Basketball 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.

13.0 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, Ph.D. Mr. Subrahmanya K.	2013-16 (Tentative)	39.4

Projects completed during the period

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Lakh Rs.)
Impact of land cover and type on soil hydraulic properties using field and laboratory techniques	NITK, Surathkal (seed grant)	Paresh Chandra Deka, Ph.D.	2 years 2011-12	5.00
Study of impact of land use and land cover change on stream flows of Western Ghat (Forest), India	NITK, Surathkal (seed grant)	Dr. Ramesh, Ph.D.	2 years 2011-12	5.00

Projects On-going

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

Department of Chemical Engineering

Name of Project	Funding Agency	Name of investigator(s)	Period	Funding Amount (Rs.)
Batch and Continuous Photocatalytic Degradation of Azodyes using Ag core-TiO ₂ Shell Structured Nanoparticles in Free and Immobilized Form	DST, Govt. of India, MHRD	Vidya Shetty K., Ph.D.	2 years (from 2011 to 2013)	Rs. 20.37 lakhs
Virtual lab-Process Control Reaction Engg. & Unit Operations lab.	MHRD-NMEICT	Vidya Shetty K., Ph.D.	2 years (from 2010 to 2012)	Instt. level Grant of Rs. 100 lakhs in First phase and Dept. share of Rs. 16 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, Ph.D.	3 years (April 2010 to 2013)	Rs. 25.0 lakhs
Synthesis and Characterization of Thermo responsive Nano hydro-gel Particles for drug delivery system and for artificial glands	Fast Track project for Young Scientists scheme under Govt. of India , DST fund	P.E.Jagadeesh babu, Ph.D.	3 Yrs (Oct.2009 to Oct.2012)	18.0 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), Ministry of Science and Technology, Govt. of India	PI - Dr.I.Regupathi, Ph.D. Co PI- Gopal Mugeraya, Ph.D.	3Years (Jan 2010 to Jan' 13)	14.00 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), Ministry of Science and Technology, Govt. of India.	PI-I.Regupathi, Ph.D. Co PI- Gopal Mugeraya, Ph.D.	3 Years (Sep 2010 to Sep 2013)	26.00 Lakhs
"Production Of N-3 Polyunsaturated Fatty Acids Concentrate From Sardine Oil",	"Ministry of Food processing Industries (MOFPI), Govt. of India" through DST.	PI: Dr.Prasanna D, Ph.D. Co-PI: I.Regupathi, Ph.D.	2 Years (Nov 12 to Nov 2014)	48.00 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: Ms. S. Gangamma; Co-PI: I.Regupathi, Ph.D.	3 Years (March 2013 to March 2016)	50.00 Lakhs
Development of Probiotics for enhanced Antioxidant availability	Indo-Ukraine Joint Project. Ministry of Science & Technology	PI: Prasanna B.D (India), Ph.D. PI: Olexi Dugan (Ukraine), Ph.D.	3 Years (from Sept. 2012-Aug 2015)	Rs. 4.30 lakhs.

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 1017	Rs. 38.18 lakhs
Hydrogen Loaded Concrete as Integrated n, α, β, and γ Radiation Shield	BRNS	M.C.Narasimhan (PI), Ph.D. Katta Venkataramana, Ph.D. Satyabodh Kulkarni, Ph.D. M.N.Satyanarayana, Ph.D. K.S.Ravishankar, Ph.D.	2012-15	Rs.24.1375 lakhs

Department of Computer Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs.)
Information Security Education and awareness	Ministry of Communication & Information Technology	Mr. Alwyn Roshan Pais	2004 -13	Approx. 1.5 crore (Completed)
Development of tool for Detection of SQL injection vulnerability in Web Applications	Ministry of Communication & Information Technology	Chief Investigator: Mr. Alwyn R Pais Co Investigators: John D'Souza, Ph.D. Mr. K. Vinay Kumar	2010 – April 30, 2012	33.22 Lakhs (Completed)

Department of Chemistry

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Single Crystal X-ray Diffractometer	DST- FIST (Gov. of India)	Coordinator: A V. Adhikari, Ph.D. Co-coordinator: Darshak R. Trivedi, Ph.D.	December 2010- November 2015	1,28,00,000/-
Nano Porous Polymer Membrane For Controlled Release of Fertilizer	DRDO	Investigator : Arun M. Isloor, Ph.D. Co-Investigator Darshak R. Trivedi, Ph.D.	July-2010 to July-2013	14,90,000/-

Department Of Electrical and Electronics Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
New roof top wind solar hybrid power system at NITK	Ministry of power (MOP) government of India through CPRI Bangalore	Dattatraya. N. Gaonkar, Ph.D. and Udayakumar Yerragatti, Ph.D.	May 2011- 2013	25 lakhs

Department of Electronics And Communication Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Special Man Power Development Programme for VLSI Design and Related Software (Phase II)	DIT, MCIT, Govt. of India	Mr. Ramesh Kini M	2005 - 2012	28.3 lakhs (for 3 years only)
RF MEMS switches for Wideband reconfigurable RF Microsystems	DIT, MCIT, Govt. of India	M.S. Bhat, Ph.D. T Laxminidhi, Ph.D.	3 Years (from March 2010)	175.49 lakhs
Secure Turbulence Resistant Free Space Optical (FSO) links for Broadband Wireless Access Networks	DIT, MCIT, Govt. of India	Muralidhar, Ph.D. Kulkarni, Ph.D. U Sripati, Ph.D.	3 Year (from July 2010)	116.76 lakhs
Determination of Antenna-Plasma coupling impedance for Ion Cyclotron Resonance Heating and its Matching	Nation Fusion Programme Board of Research in Fusion Science and Technology (BRFST)	Muralidhar Kulkarni, Ph.D.	1 st September 2012 to 31 st August 2014 - 2 years	20.52 lakhs

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	1) G. Ram Mohana Reddy, Ph.D. 2) Mrs. 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)
Uncertainty and Sensitivity analysis of pushover method for R.C. framed structures with brick infill walls	BRNS/BARC/DAE	K.P. Halemane, Ph.D.	Three years	20 lakhs
Topological structures for semiclosed operators on Hilbert spaces	SERC, DST, Govt. of India	P. Sam Johnson, Ph.D.	Three years	2.6 lakhs
A study on Moore-Penrose in Krein Spaces	NBHM, DAE, Govt. of India	P. Sam Johnson, Ph.D.	Three years	1.83 lakhs

Department Of Mechanical Engg.

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Investigation of enhanced pool boiling methods for cooling of micro-electronic devices	Dept. of Science and Technology	A. Sathyabhama, Ph.D.	Nov 2010-2013	19,90,000
Design, Development and Characterization of Magneto-Rheological (MR) Dampers for Vehicular Applications	Department of Science and Technology [DST]	Hemanthakumar, Ph.D.	Recommended by Expert committee under Fast Track Scheme	22,09,000 (proposed)
Investigation on Passive Damping Capability of Natural Fiber Reinforced Composite and Visco-elastic Sandwich Structures	SERB-DST Fast Track Project (SR/FTP/ETA-64/2012 dated 21/12/2012)	P. Jeyaraj, Ph.D.	21/12/2012 onwards	11,50,000
Vibration based structural health monitoring and progressive failure analysis of a rotating tapered composite plate	Aeronautics Research and Development Board (ARDB)	R. Vasudevan (PI), Ph.D. VIT University P. Jeyaraj (Co-PI), Ph.D.	March 2013 onwards	8,00,000
Development of HVOF sprayed cermets coatings in improving resistance to hot corrosion and erosion of gas turbine alloys	All India Council for Technical Education	Dr. Ramesh M.R., Ph.D.	2013-2016	18,10,000

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, Ph.D. & Dr. K. Ram Chandar, Ph.D.	2010-2013	Rs.1.234 Crore
Modeling of Airborne Dust In Opencast Coal Mines	Ministry of Coal, Govt. of India.	V. R Sastry, Ph.D. & K Ram Chandar, Ph.D.	2011-2014	Rs.81.07 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, Ph.D. K. L. Bhat, Ph.D. K. R. Udupa, Ph.D. Jagannath Nayak, Ph.D.	2005 - 2012	22.0 Lakhs
Preparation of Preformed Yarn to Synthesize C-C composite	DRDO	A. O. Surendranathan, Ph.D. Ravishankar K.S., Ph.D. Mr. Padmayya Naik	2008	21.78 lakhs
Metallurgical Investigation on Thermally Aged SS304 LN welds	BRNS	K. Rajendra Udupa, Ph.D. Jagannath Nayak, Ph.D.	2009-	18,81,650
Laser Shock Peening Technique for Surface Treatment of Welded SS Parts	Institute for Plasma Research (BRFST)	G. Umesh, Ph.D. K. R. Udupa, Ph.D. Udaya Bhat K, Ph.D. Sathyanarayan, Ph.D.	2010 – 2012	15.24 lakhs
Assessment of Solder Joint Reliability and Effect of Cooling Rate on Mechanical Properties of Lead free Solders	DRDO	K. N. Prabhu, Ph.D.	13.9.2011	80.26 lakhs
Novel Nanocomposites from bio-degradable polymers and nano-structured fly ash	DST-SERB	Anandhan Srinivasan, Ph.D.	2012-2015	18.17 Lakhs
Friction Stir Processing of Steels for Surface Alloying and Wear Resistance	Ministry of Defence - Naval Research Board	Udaya Bhat K., Ph.D.	2011	7,95,800
Investigation of the effect of addition of nanoparticles on wetting kinematics, kinetics and cooling severity of quench media for industrial heat treatment	DST Research Project	K. N. Prabhu, Ph.D.	2012	30.47 lakhs

Department of Physics

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Blue OLED fabrication & characterization	DIT, Govt. of India	M. N. Satyanarayan, Ph.D. G. Umesh, Ph.D. & Dr. Arun Isloor, Ph.D.	3 years	Rs. 77.37 lakhs
UGC-DAE-CRS	DAE	Ajith K. M., Ph.D.	3 years from 2012	7.5 Lakhs

13.2 PROPOSED PLAN FOR RESEARCH

Department of Chemical Engineering

New Labs / Equipment	Coordinators for Sponsored R&D projects	New Areas of Research	Institutions/Organisations for future collaborations
	I.Regupathi, Ph.D. James K Carson, Ph.D.	Indo-New Zealand Joint Research Proposal on "Purification Of <i>Lactoperoxidase</i> From Whey"	DST - MBIE Joint Proposals – 2013, Department of Science & Technology (DST), Govt. of India, Department of Chemical Engineering, National Institute of Technology Karnataka and University of Waikato, New Zealand.

Department of Civil Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
<ul style="list-style-type: none"> • Rheometers • Special Performance Tester • Satic and Dynamic Asphalt and unbound Materials Testing Facility • X-Ray CT Scan System 	<ul style="list-style-type: none"> • FAST TRACK • FIST-2013 	<ul style="list-style-type: none"> • Rheological properties of asphalt and cement materials. • Materials Tomography study 	<ul style="list-style-type: none"> • Trinity College, Dublin, Ireland. • National University of Singapore, Singapore. • Nanyang Technological University, Singapore.

Department of Computer Engineering

New Labs/ Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
Laboratory for Image and Speech Processing	Preparing proposals for funding for research in the area of Medical Image Processing	Medical Image Processing	1. University of Antwerp, Belgium 2. SreeChitraThirunal Institute of Medical Sciences and Technology(SCTIMST), Trivandrum
Service Security SPFM Lab	DST	Service/ Cloud Security	NIT Trichy, Anna University and other three more universities

Department of Chemistry

Name of the Lab/Equipment	Target for sponsored R&D Projects	New Areas of Research	Institutes/Organizations for future collaborations
X-ray Diffractometer UV vis Spectrophotometer Glove box Profilometer Biotope purifier PV Measurement systems	DST, DBT MNRE, ICMR	Solar cells OLED materials Catalysts for transesterification - Biodiesel NLO materials Fluorescent materials Conjugated polymer nanocomposites	Abroad universities

Department of Electrical And Electronics Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
Establishing the Renewable energy lab (Lab modules of generation units) Power system relaying lab (Numerical relays of various types) Smart grid lab (smart meters, communication IEDs) Microgrid lab (wind, solar, fuel cell based dg system and energy storage devices)	Studies on Smart grid with funding request from Ministry of Power Distributed energy resources integration to utility networks Distribution system Automation	Multi machine dynamics study Power apparatus diagnostics Virtual lab on theme area of Substation automation and Industrial Electric Drives Distributed generation and smart grid technology	IIT – Bombay IIT - Madras IISc- Bangalore MESCOM

Department of Electronics And Communication Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
1. Microwave CAD Lab 2. Optical Communications Lab	Each faculty to have atleast one Sponsored R&D projects	Medical Imaging MIMO Systems FSO	USC, Los Angeles IIT Bombay

Department of Humanities, Social Sciences and Management

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
PROWESS Learning Resources	Two	Manuscript Studies	Columbia University

Department of Information Technology

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
<ul style="list-style-type: none"> • Cluster Computing (HPC) Lab • Social Networks Lab • VR Lab / Computer Vision • Data Mining / Warehouse Lab • HCI Lab • Network Design Lab 	<ul style="list-style-type: none"> • IBM, HP • India Innovation Lab 	<ul style="list-style-type: none"> • HPC • HCI • MMVR 	<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • Design Lab • Modelling and simulation Lab • Hydraulics/Pneumatics Lab • Nontraditional machining Lab • Robotics Lab • Flow boiling heat transfer test setup • Hydrogen operated SI Engine with all sensors 	Target for at least two sponsored R & D projects	Precision engineering, Nano-fluids, cooling of electronic devices, Thermal Spray coatings, Alternative fuels	<ul style="list-style-type: none"> • Mercedes-Benz, Bangalore • Robert Bosch Engineering and Business Solutions • ISRO satellite Centre, Bangalore • Nano centre, Indian Institute of Science, Bangalore

Department of Mining Engineering

New Labs/ Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
<ul style="list-style-type: none"> • Numerical Modelling Software • Piezometer 	R&D grant of Singareni Collieries Company Limited	Design of waste dumps in opencast coal mines	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
1. Surface Engineering Laboratory 2. Facility for assessment of health of quenchant	To get at least one sponsored R&D project per year	1. Nano Technology 2. Composite 3. Surface Engg. 4. Smart Materials 5. Data base on liquid Quenchants 6. Wetting/dewetting of liquids	1. Indira Gandhi Centre for atomic Research, Kalpakkam 2. Indian Institute of Science, Bangalore 3. National Aeronautics Ltd., Bangalore 4. Hindustan Aeronautics Ltd., Bangalore 5. Jindal South West, Vijayanagar 6. International Federation of Heat Treatment and Surface Engineering (IFHTSE), UK 7. KennaMetal Ltd., Bangalore 8. Thermet Solutions (P) Ltd., Bangalore

Department of Physics

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
IBM Power 7 Server		1) Computational Material Science 2) Fabrication and Evaluation of heterojunctions	1) National Aerospace Laboratory 2) IGCAR Kalpakam And Hyderabad Cental University

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	16	02	08	20	46
2.	Chemical Engineering	34	--	12	05	51
3.	Chemistry	55	--	01	17	73
4.	Civil Engineering	31	7	20	18	76
5.	Computer Engineering	16	--	19	--	35
6.	Electrical and Electronics Engineering	18	03	22	--	43
7.	Electronics & Communication Engineering	16	--	23	02	41

8.	Humanities, Social Sciences and Management	19	13	10	08	50
9.	Information Technology	09	--	20	--	29
10.	Mathematical and Computational Sciences	20	--	09	--	29
11.	Mechanical Engineering	43	04	54	07	108
12.	Metallurgical And Materials Engineering	36	02	20	--	58
13.	Mining Engineering	14	03	02	03	22
14.	Physics	7	--	05	06	18
Grand Total		334	34	225	86	679

INTERNATIONAL JOURNAL :-

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1.	Seawalls: Performance and their Failure Analysis along Southern Karnataka, West Coast of India	International Journal of Earth Sciences and Engineering, Vol. 5, No. 01, February 2012	Subba Rao, Arkal Vittal Hegde, G. S. Dwarakish, Prashanth. J and D. Venkat Reddy
2.	Development of prediction models for hydrodynamic performance of semicircular breakwater	Journal of Marine Technology Society, Volume 46, Number 5, September/October, 2012, USA	Ankit Aggarwal, Vivek Kumar Gope, Shivaraj S.M, Arkal Vittal Hegde
3.	Quantifying aquifer properties and freshwater resource in coastal barriers: a hydrogeophysical approach applied at Sasihithlu (Karnataka state, India).	Hydrol. Earth Syst. Sci., 16, 4387-4400, 2012	J.-M. Vouillamoz, J. Hoareau, M. Grammare, D. Caron, L. Nandagiri, and A. Legchenko.
4.	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, pp. 679 - 686	Binumol. S, Subba Rao and Arkal Vittal Hegde
5.	Damage level prediction of non-reshaped berm breakwater using ANN, SVM and ANFIS model	International Journal of Naval Architecture and Ocean Engineering (JNAOE), Korea. Vol. 04, No. 02, pp. 112-122	Sukomal Mandal, Subba Rao, Harish N. And Loksha
6.	Parameter estimation and vulnerability assessment of coastal unconfined aquifer to saltwater intrusion: A case study	J. Hydrologic Engg., ASCE, 2012, 17(8), 933-943.	Mahesha, A., Vyshali, U.A. Lathasri and H. Ramesh

7.	Wave run-up, run-down studies on reshaped berm breakwater with artificial armour units	International Journal of Earth Sciences and Engineering (IJEE) and Elsevier publications, vol. 05, No. 04 (02), Aug 2012, pp. 1052-1056	Prashanth J., Subba Rao, Kiran G. Shirilal, balakrishna Rao K. and Vishwanath N.
8.	Adaptive Neuro Fuzzy inference system modelling to predict damage level of non- reshaped berm breakwater	International Journal of Earth Sciences and Engineering (IJEE) and Elsevier publications, vol. 05, No. 04 (02), Aug 2012, pp. 1046-1051	Harish N., Sukomal Mandal, Subba Rao and Lokesha
9.	Wavelet-neural network conjunction model in flow forecasting of SubHimalayan river Brahmaputra	International journal of Civil Engineering &Technology [IJCIET] (ISSN0976-6308 print; ISSN0976-6316online),July-Dec'2012,Volume 3(2),pp.415-425,Impact Factor-3.18	Khandekar Sachin Dadu and Paresch chandra Deka
10.	Effects of statistical properties of dataset in predicting performance of various artificial intelligence techniques for urban water consumption time series	International journal of Civil Engineering &Technology [IJCIET] (ISSN0976-6308 print; ISSN0976-6316online),July-Dec'2012,Volume 3(2),pp.426-436, Impact Factor-3.18	H J Surendra and Paresch Chandra Deka
11.	Discrete Wavelet-ANN Approach in Time series flow forecasting-a case study of Brahmaputra River	International journal of Earth sciences and Engineering (ISSN-0974-5904) ugust'2012, Vol-5(4) pp..673-685	Paresch Chandra Deka, L.Haque, Aniruddha Gopal Banhatti
12.	Performance evaluation of artificial neural network model using data preprocessing in non-stationary hydrologic time series	CiiT International journal of Artificial Intelligent Systems and Machine Learning (ISSN-0974-9667)Impact factor-0.763April'2012, Vol-4(4) pp..223-229	Aniruddha Gopal Banhatti and Paresch Chandra Deka
13.	Investigation of the effects of meteorological parameters on groundwater level using ANN	CiiT International journal of Artificial Intelligent Systems and Machine Learning (ISSN-0974-9667)Impact factor-0.763January'2012, Vol-4(1) pp..39-44	Sreenivasulu D, Paresch Chandra Deka ,Nagaraj Gumageri

14.	<i>Discrete Wavelet Neural Network approach in significant wave height forecasting for multistep lead time</i>	Ocean Engineering (ISSN-0029-8018) <u>Impact factor-1.178</u> April'2012, Vol-43pp..32-42	Paresh Chandra Deka &Prahlada R
15.	On the soil water retention function for some coastal soils of Karnataka, India."	Internation Journal of Earth Sciences and Engineering, Vol 05, October 2012, No.05	Shwetha P. and K. Varija
16.	Soil Water Retention Prediction from Pedotransfer Functions for Some Indian Soils	Archives of Agronomy and Soil Science: Published online on 22 nd October 2012	P Shwetha and K Varija

Department of Chemical Engineering

Sl. No	Title of Paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Airborne particulate matter induced lung inflammation.	Environmental Health Perspectives.120, http://dx.doi.org/10.1289/ehp.1206061	Gangamma S
2	Airborne particulate matter and innate immunity activation	Environmental Science and Technology, DOI:10.1021/es30349j	Gangamma S.
3	Airborne particulate matter associated endotoxin and proinflammatory responses	Journal of Allergy and Clinical Immunology. DOI 10.1016/j.aci.2012.07.033	Gangamma S.
4	Partitioning studies of α -lactalbumin in environmental friendly poly (ethylene glycol)—citrate salt aqueous two phase systems	Bioprocess and Biosystems Engineering, Published on line 09/02/2013	Sivakumar Kalaivani, I.Regupathi
5	Phase Demixing Studies in Aqueous Two Phase System with Poly Ethylene Glycol (PEG) and Sodium Citrate	Chemical Engineering Communications, Published on line 01/2013	Vishwanatha H Nagaraja, I. Regupathi
6	Bovine Serum Albumin Partitioning in Aqueous Two-Phase Systems: Effect of Variables and Optimization	Bioprocessing Journal, Published on line on 3/2013, Vol 12 (1), pp 34-35	N Sindhu, S Kalaivani, I Regupathi
7	Densities and Viscosities of Binary and Ternary Mixtures and Aqueous Two-Phase System of Poly (ethylene glycol) 2000+ Diammonium Hydrogen Citrate+ Water at Different Temperatures	Journal of Chemical & Engineering Data; Published on 2012/8/17; 57(9): 2528-2534	Sivakumar Kalaivani, Chunduru K Srikanth, I. Regupathi
8	Microwave irradiated decomposition of p- Chlorophenol in the presence of H ₂ O ₂	International Journal of Environmental Engineering Science (IJEES), (2012); 3(2), PP. 177-195	I. Regupathi, Beri Rengaraju Prasannakumar, and Thanapalan Murugesan

9	Development and evaluation of PEG-lithium citrate salt based aqueous two phase system and its application in partitioning of proteins from fish industry effluent	Separation Science and Technology Volume 47, Issue 4, 2012, pp 1-8.	H.N. Vishwanatha I. Regupathi, B.D Prasanna, B. Girisha
10	Production of Naringinase by a new soil isolate of <i>Serratia</i> sp.: Effect of different carbon and nitrogen sources	Research Journal of Biotechnology, 7(4), 208-211	Pavithra M., Prasanna D. Belur and Saidutta M.B.
11	Enhancement of propyl gallate yield in nonaqueous medium using novel cell-associated tannase of <i>Bacillus massiliensis</i>	Preparative Biochemistry and Biotechnology, 43, 445-455, DOI:10.1080/10826068.2012.745873	Mahesh Aithal & Prasanna D. Belur
12	Enhancing gallic acid content in green tea extract by using novel cell-associated tannase of <i>Bacillus Massiliensis</i>	Journal of Food Biochemistry. Online Published DOI:10.1111/jfbc.12003	Basavaraj Palabhanvi & Prasanna D. Belur
13	Production of propyl gallate in nonaqueous medium using cell-associated tannase of <i>Bacillus massiliensis</i> : Effect of various parameters and statistical optimization	Biotechnology and Applied Biochemistry. Online Published DOI: 10.1002/bab.1068 Vol.60, 210-218	Mahesh Aithal & Prasanna D. Belur
14	Production of naringinase from a new soil isolate <i>Bacillus methylotrophicus</i> : isolation, optimization and scale up studies	Preparative Biochemistry and Biotechnology, Online Published. DOI:10.1080/10826068.2013.797910	Pavithra M., Prasanna D. Belur and Saidutta M.B.
15	Characteristics of a novel <i>Acinetobacter</i> sp. and its kinetics in hexavalent chromium bioreduction	<i>J Microbiol Biotechnol.</i> 22(5),2012, 690-698. IF 1.381	Narayani M, VidyaShetty K
16	Experimental Investigation and Artificial Neural Network-Based Modeling of Batch Reduction of Hexavalent Chromium by Immobilized Cells of Newly Isolated Strain of Chromium-Resistant Bacteria	<i>Water, Air, & Soil Pollution</i> , 223(4),2012,1877-1893(Springer) IF 1.625	Vidya Shetty K., Namitha L. Shama N. Rao , Narayani M
17	Chromium Resistant Bacteria And Their Environmental Condition For Hexavalent Chromium Removal-A Review ,Critical Reviews in Environmental Science and Technology	(in press; posted online as forthcoming article)(Taylor & Francis) DOI:10.1080/10643389.2011.627022.IF 4.841	Narayani M and Vidya Shetty K,
18	Reduction of hexavalent chromium by a novel <i>Ochrobactrum</i> sp. -microbial characteristics and reduction kinetics.	<i>J Basic Microbiol.</i> EPub ahead of print date April 2 2013 doi:10.1002/jobm.201200183	Narayani M, Vidya Shetty K.
19	Modeling and genetic algorithm-based multi-objective optimization of the MED-TVC desalination system	<i>Desalination</i> ,292, 2012, 87-104(Elsevier).IF 2.59	Iman Janghorban Esfahani, Abtin Ataei, Vidya Shetty K, TaeSuk

			Oh, Jae Hyung Park, ChangKyoo Yoo,
20	A real-time monitoring and assessment method for calculation of total amounts of indoor air pollutants emitted in subway stations,	Journal of the Air & Waste Management Association, 62(5), 2012,517-526(Taylor & Francis) IF 1.517	TaeSeok Oh, MinJeong Kim, JungJin Lim, OnYu Kang, K. Vidya Shetty, B. SankaraRao, ChangKyoo Yoo, Jae Hyung Park, and Jeong Tai Kim,
21	Equilibrium and kinetic studies for the adsorption of cadmium ion on Zeolite 4A	J Biochem Tech (2012) 3(5): S158-S160 ISSN: 0974-2328.IF	Rajeswari M Kulkarni , Srinikethan G, Vidya Shetty K
22	Removal of Remazol Brilliant Blue Dye from Dye-Contaminated Water by Adsorption Using Red Mud: Equilibrium, Kinetic, and Thermodynamic Studies	Water Air Soil Pollut (2012)223:6187-6199IF 1.625	G. M. Ratnamala, K. Vidya Shetty & G. Srinikethan
23	Solar photocatalysis for treatment of Acid Yellow-17 (AY-17) dye contaminated water using Ag@TiO ₂ core-shell structured nanoparticles	Environmental Science and Pollution Research Int. EPub ahead of print date March 6 2013, DOI-10.1007/s11356-013-1582-4	Ankita Khanna and Vidya Shetty K
24	Rapid removal of cobalt (II) from aqueous solution using cuttlefish bones; equilibrium, kinetics, and thermodynamic study	Asia-Pacific Journal of Chemical Engg. (2012)	K Sandesh, R Suresh Kumar, PE JagadeeshBabu
25	Bio-conjugation of bacillus fastidiosus-uricase with methoxy polyethylene glycol derivative and study of physiochemical properties	International Journal of Pharmacy and Pharmaceutical Science Vol 4, Issue 4, 290-295, September, 2012	PoojaNanda, PE JagadeeshBabu, Sumanth Tekalkote, Benny Malaam Kunnummal, N Jacob
26	Studies on Production, Optimization and Purification of Uricase from <i>Gliocladium viride</i>	Research in Biotechnology Volume 3, Issue 4, 35-46, July 2012	Pooja Nanda, PE JagadeeshBabu, Jenifer Fernandes, Rohini Raju Dhabre
27	Study on Pegylation of therapeutic enzyme uricase and its physiochemical properties for improving pharmaceutical characteristics	Journal of Pharmacology and Pharmaceutical Technology 1 (1), 58-62, (2012)	PoojaNanda, PE JagadeeshBabu
28	Removal of ammonia and particulate matter using a modified turbulent wet scrubbing system,	Separation and Purification Technology, Volume 98, 19 September 2012, Pages 221-229	Seung-Hyeok Byeon, Byeong-Kyu Lee, B. Raj Mohan
29	Production of laccase by the novel isolates of basidiomycetes	International journal of industrial biotechnology, 1(2), 89-97. 2012.	Harisha Poojary and Gopal Mugeraya

30	Utilization of renewable agricultural residues for the production of extracellular halostable cellulase from newly isolated Halomonas sp. strain PS47	Annals of Microbiology DOI 10.1007/s13213-012-0583-8 Dec. 2012	Pooja Shivanand, Gopal Mugeraya and Anubhav Kumar
31	Reactive Distillation Using Ion Exchange Catalyst: Experimental And Simulation Studies For The Production Of Methyl Acetate	Ind. Eng. Chem. Res., DOI: 10.1021/ie3029174, Publication Date (Web): April 17, 2013	K. Sandesh , P. E. JagadeeshBabu , Suhas Math , and M. B. Saidutta,
32	Production and Characterization of Biosurfactant Produced by a Novel <i>Pseudomonas sp.</i> 2B, accepted in Colloids and Surfaces B:	Biointerfaces, Elsevier, ISSN: 0927-7765, Impact factor 2.780. (2012)	Aparna A., Srinikethan G. and Smitha H.
33	Isolation, Screening and Production of Biosurfactant by <i>Bacillus clausii</i> 5B, accepted in	Research in Biotechnology, ISSN: 2229-791X. (2012)	Aparna A., Srinikethan G. and Smitha H.
34	Studies on treatment of untreated effluent containing chlorophenol by <i>Bacillus cereus</i> ,	Journal of International Biotechnology, ISSN 2277- 6109. (2012)	Ranjani C., Saidutta M. B. and Srinikethan G.

Department of Civil Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Effect of corrosion on degradation of RC members	International Review of Applied Engineering Research, Vol.3, No.1, January 2013, pp. 55-66.	Shetty A, Venkataramana K and Babu Narayan K S
2	Full scale experiment and finite element modeling of support structures of substation equipment for evaluation of ground motion amplification	International Journal of Earth Sciences and Engineering, Vol.5, No.5(01), October 2012, pp. 1394-1399	Srujana N, Ramesh Babu and Venkataramana K
3	Free vibration studies of box type laterite masonry structures	Journal of Structural Engineering, SERC, Vol.39, No.3, August-Sept 2012, pp.332-346	Unnikrishnan S, Narasimhan M C and Venkataramana K
4	Magnetorheological Dampers – An overview	International Journal of Earth Sciences and Engineering, Vol.5, No.4(02), August 2012, pp. 1068-1072	Tamizharasi G, Ajit Kamath Manohar, Kaustav Sengupta, Venkataramana K and Umesh G
5	Experimental investigations on the flexural strength of reinforced concrete	International Journal of Earth Sciences and Engineering, Vol.5, No.4(02), August 2012, pp. 1042-1045.	Pandit P, Shetty A, Venkataramana K, Babunaryan K S and Gogoi I, Pravenn B B, Mahesha, Naik S and Sedamkar A,
6	Performance evaluation of rebar in accelerated corrosion by gravimetric loss method	International Journal of Earth Sciences and Engineering, Vol.5, No.1, 2012, pp. 154-159.	Shetty A, Venkataramana K and Gogoi I
7	Performance enhancement of TMT rebar in accelerated corrosion	Journal of Civil Engineering Research, 2(1), 14-17.	Shetty A, Venkataramana K, Gogoi I and Praveen B B

8	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
9	Geotechnical characteristics of lithomargic clay blended with marine clay as landfill liner material	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,
10	"A Critical review of construction, analysis and behavior of stone columns"	Geotechnical and Geological Engineering (International) Journal, ISSN 0960-3182, DOI 10.1007/s 10706-012-955-9, Springer Publishers, Netherlands (published first on line and accepted for publication on Sept. 03, 2012).	Dheerendra Babu, M.R., Sitaram Nayak and Shivashankar, R.
11	"Some Studies on Prestressed Reinforced Granular Beds Overlying Weak Soil"	International Scholarly Research Network (ISRN) Journal of Civil Engineering, USA (Submitted in July 2012, 20 pages, Paper accepted for publication)	Jayamohan, J. and Shivashankar, R.
12	"Across Wind Response of Tall Reinforced Concrete Chimneys considering the Flexibility of Soil"	International Journal of Engineering Research & Technology (IJERT) (ISSN 2278-0181), Vol.1, Issue 8, October 2012	Jisha, S.V., Jayalekshmi, B.R. and Shivashankar, R.
13	"Natural Seismic Base Isolation of Structures having Raft Foundations "	Intl. Journal of Emerging Technology and Advanced Engineering (IJETAEE), Website: (ISSN: 2250-2459, Volume 2, Issue 8, August 2012), pages 23-28	Patil, S.J., Reddy, G.R., Shivashankar, R., Ramesh Babu, Jayalekshmi, B.R. and Binukumar
14	In pursuit of alternative ingredients to cement concrete construction	International Journal of Research in Engineering and Technology, Vol. 1, Issue 4, December 2012, pp. 1-12.	Rajendra Prabhu, Subhash C. Yaragal and Katta Venkataramana
15	"An experimental investigation of RCC continuous beams with inclusion of synthetic fibers",	International Journal of Applied Engineering and Technology, December, 2012.	K. S. Babu Narayan , Bhimappa Y Holigar and Subhash C. Yaragal,
16	"Exposure to elevated temperatures and cooled under different regimes – A study on blended concrete",	International Journal of Research in Engineering and Technology, Vol. 2, Issue 1, December 2012, pp. 55-58.	Subhash C. Yaragal, Darshan Patel and K. S. Babu Narayan,
17	"Strength characteristics of concrete exposed to elevated temperatures and cooled under different regimes",	International Journal of Structural Fire Engineering, United Kingdom, Volume 3, Number 4, Dec. 2012, pp. 301-310.	Subhash C. Yaragal, K. S. Babu Narayan, and Adari S.
18	"Microstructure analysis of concrete subjected to elevated temperatures using mercury intrusion porosimetry"	International Journal of Earth Sciences and Engineering, Vol. 05, No. 04 (02), August 2012, pp. 1063 – 1067.	Sharath S, Sandesh V, Subhash C. Yaragal, K S Babu Narayan and K Suryanarayana,

19	"Correlation between residual compressive strength and splitting tensile strength of thermally deteriorated HPC"	International Journal of Civil Engineering Research, Volume 3, Number 3 (2012), pp. 137 – 147.	Kishor S Kulkarni, K S Babu Narayan and Subhash C. Yaragal,
20	"A realistic approach to concrete mix design based on cement strength criteria"	International Journal of Earth Sciences and Engineering, Vol. 05, No. 04 (02), August 2012, pp. 1030 – 1033.	Subhash C. Yaragal,
21	"Studies on elevated temperatures and quenching effects on blended concretes"	International Journal of Applied Engineering and Technology, 2012 Vol. 2 (2) April – June, pp. 31-38.	Monal S Rao, Subhash C. Yaragal, Kiran Sara Chacko, Nivedita G and K S Babu Narayan,
22	"Investigation of 2-D wake pressures downstream of perforated plates"	International Journal of Earth Sciences and Engineering, Vol. 05, No. 05 (01), October 2012, pp. 1390-1393.	Subhash C. Yaragal,
23	"Performance of high strength concrete subjected to elevated temperatures"	International Journal of Earth Sciences and Engineering, Vol. 05, No. 04, June 2012, pp. 593 – 598.	Kishor S Kulkarni, Subhash C. Yaragal, and K S Babu Narayan,
24	"Relation between UPV and residual strength of concrete subjected to heating and sudden cooling",	International Journal of Earth Sciences and Engineering. Vol. 05, No. 04, June 2012, pp. 605-610.	Shrilaxmi, Subhash C. Yaragal, and K S Babu Narayan,
25	"Planning, designing and performance evaluation of gravity based water distribution network – A case study"	International Journal of Earth Sciences and Engineering, Vol. 05, No 02 , April 2012, pp. 294-298.	Sanjay Kumar G R, Prithviraj H K, Subhash C Yaragal, and M K Nagaraj,
26	"Usage potential of melt processed plastic pellets as a substitute to fine aggregate in porous concretes"	International Journal of Earth Sciences and Engineering, Vol. 05, No 02, April 2012, pp. 327-334.	Maneeth P. D, Lokesh G, Subhash C Yaragal, and K S Babu Narayan
27	"Across Wind Response of Tall Reinforced Concrete Chimneys Considering the Flexibility of Soil",	International Journal of Engineering Research & Technology, Vol. 1, Issue 8, ISSN: 2278-0181	Jisha, S. V., Jayalekshmi, B. R., and Shivashankar, R.
28	"Contact Pressure Distribution Under Raft Foundation of Tall Reinforced Concrete Industrial Chimneys Due To Dynamic Soil-Structure Interaction,"	ISET Golden Jubilee Symposium, Indian Society of Earthquake Technology, IIT Roorkee., 20-21 October 2012,	Jisha, S. V., Jayalekshmi, B. R., Shivashankar, R
29	Degradation of Toxic 2-Aminopyridine Harmaceutical Compound from Aqueous Environments using Advanced fenton and Photo-Fenton Oxidation Processes	International Journal of Advanced Technology in Civil Engineering (IJATCE), Vol. 2, Issue. 1, pp. 34 -38	Rahul Karale, Basavaraju Manu, and S.Shrihari
30	Water Quality Prediction in Distribution System using Cascade feed Forward Neural Network	International Journal of Advanced Technology in Civil Engineering, Vol. 2, Issue. 1, pp. 84 – 91.	Vinayak Patki, S.Shrihari, and Basavaraju Manu

31	Reuse of Textile Mill Sludge in Burnt Clay Bricks	International Journal of Advanced Technology in Civil Engineering, Vol. 2, Issue. 1, pp. 96 – 99.	Shrikant S Jahagirdar, S. Shrihari, B Manu
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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1.	"Image Encryption using Block Based Uniform Scrambling and Chaotic Logistic Mapping"	International Journal on Cryptography and Information Security (IJCIS), ISSN : 1839-8626, June 2012, March 2012, Volume 2, Number 1, pp.49-57.	Rakesh S, Ajitkumar A Kaller, Shadakshari B C and Annappa B
2.	"Design of Extensible Software Applications with Design Patterns"	International Journal of Information Processing, ISSN: 0973-8215, June 12, pp.22-30	Annappa B., Rabna R, K. Chandrasekaran, K. C. Shet
3.	"Taxonomy of Network Layer Attacks in Wireless Mesh Network"	Advances in Computer Science, Engineering & Applications, Advances in Intelligent and Soft Computing, Volume 167, June 2012, pp: 927-935	K. Ganesh Reddy and P. SanthiThilagam
4.	"Secure Short Message Peer-to-Peer Protocol"	International Journal of Electronic Commerce studies, Taiwan pp. 45-60, Vol.3, No.1, 2012. (ISSN 2073-9729)	Saurab Samantha, Radhesh M, Alwyn R Pais
5.	"Nonlocal maximum likelihood estimation method for denoising multiple-coil magnetic resonance images"	Magnetic Resonance Imaging, Vol 30, pp. 1512-1518, 2012. (Impact Factor : 1.991)	JenyRajan, Jelle Veraart, Johan Van Audekerke, Marleen Verhoye and Jan Sijbers
6.	"Hierarchical Wireless Mesh Networks Scalable Secure Framework."	International Journal of Information and Network Security (IJINS) 2.2 (2012): 167-176	K. Ganesh Reddy, P. Santhi Thilagam
7.	"SQL injection attack mechanisms and prevention techniques"	In Advanced Computing, Networking and Security, pp. 524-533. Springer Berlin Heidelberg, 2012	Chandrashekhar, Roshni, Manoj Mardithaya, Santhi Thilagam and Dipankar Saha
8.	"Intrusion detection technique for wormhole and following jellyfish and byzantine attacks in wireless mesh network"	Advanced Computing, Networking and Security. Springer Berlin Heidelberg, 2012. 631-637	K. Ganesh Reddy, P. SanthiThilagam
9.	"Semantic plagiarism detection system"	International Journal of Advanced computing Technology(ACIJ). 2012	Manjula Shenoy K, K.C. Shet, U.DineshAcharya
10.	" Energy Aware Path Search for Sensor with parameters as used in agricultural field"	International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC) Vol.3, No.5, October 2012	Smitha N. Pai, K.C.Shet, H.S. Mruthyunjaya

11.	"Secured ontology mapping"	International Journal of Web and Semantic Technology (IJWEST). October 2012	ManjulaShenoy K, K.C.Shet, U.DineshAcharya
12.	"A new similarity measure for taxonomy based on edge counting"	International Journal of Web and Semantic Technology (IJWEST). October 2012	ManjulaShenoy K, K.C. Shet U.DineshAcharya
13.		The board of International Journal of Computer Applications is pleased to inform that your manuscript is published in IJCA November 2012 Edition with effect from November 15, 2012	Smitha N. Pai, K. C. Shet, Mruthyunjaya H.S.
14.	"Routing for Sensors with Parameters as used in Agricultural Field"	Accepted in the International Journal on Network Security, IJNS Vol. 4, Issue 1, January 2013	SmithaN.Pai, K.C.Shet and Mruthanjaya H.S
15.	"Comprehensive framework for accurate diffusion MRI parameter estimation"	Magnetic Resonance in Medicine (2013, In Press) (Impact factor 2.964)	JelleVeraart, JenyRajan, Ronald R. Peeters, Alexander Leemans, Stefan Sunaert, Jan Sijbers
16.	Image Encryption using Block Based Uniform Scrambling and Chaotic Logistic Mapping	International Journal on Cryptography and Information Security (IJCIS),ISSN : 1839-8626, March 2012, 2(1), pp.49-57	Rakesh S, Ajitkumar A Kaller, Shadakshari B C and Annappa B

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1.	Corrosion Inhibition of the Annealed 18 Ni 250 Grade Maraging Steel in 0.67 M phosphoric Acid by 3,4-Dimethoxybenzaldehydethiosemicarbazone	Chemical Sciences Journal, Vol. 2012: CSJ-69.	T. Poornima, Jagannath Nayak and A. Nityananda Shetty
2.	3,4-methoxy benzaldehyde thiosemicarbazone as corrosion inhibitor for annealed 18Ni 250 grade maraging steel in 0.5 M sulphuric acid	Res. Rev. Electrochem. 3 (2012) 1 – 11.	T. Poornima, Jagannath Nayak and A. Nityananda Shetty
3.	A study on corrosion behavior of electrodeposited Zn-rutile TiO ₂ composite coatings	Synth. React. Inorg. Met. Org. and Nano-Metal Chem. DOI:10.1080/15533174.2012.682684,;	<u>M. K. Punith Kumar, T. V. Venkatesha, M. K. Pavithra & A. Nithyananda Shetty</u>
4.	Effect of DiacetylMonoxime Thiosemicarbazone on the Corrosion of Aged 18 Ni 250 GradeMaraging Steel in Sulphuric Acid Solution	J Metallurgy Volume 2012, Article ID 723687, doi:10.1155/2012/723687	T. Poornima, Jagannath Nayak and A. Nityananda Shetty

5.	A Simple Solution Phase Synthesis of Copper Nanofluid Using Single-step Glucose Reduction Method	Synth. React. Inorg. Met. Org. and Nano-Metal Chem. 43:343-348, 2013	U. Sandhya Shenoy and A. Nityananda Shetty
6.	Copper Nanofluids: A Facile Synthetic Approach	J Nanoengg. and Nanomanufact. Vol. 3, pp. 1-6, 2013	U. Sandhya Shenoy and A. Nityananda Shetty
7.	Simple glucose reduction route for one-step synthesis of copper nanofluids	Appl. Nanosci. DOI .1007/s13204-012-0169-6, 2013	U. Sandhya Shenoy and A. Nityananda Shetty
8.	Synthesis of Copper Nanofluids Using Ascorbic Acid Reduction Method Via One Step Solution Phase Approach	J ASTM Int. Vol. 9, No. 5 Paper ID JAI104416, 2012	U. Sandhya Shenoy and A. Nityananda Shetty
9.	A Facile One Step Solution Route to Synthesize Cuprous Oxide Nanofluid	Nanomat. and Nanotechn. 2013, Vol. 3, Art. 5:2013	U. Sandhya Shenoy and A. Nityananda Shetty
10.	Molecular Structure and Conformation study of p-[N,N-bis(2-chloroethyl)amino] benzaldehyde-4-phenyl thiosemicarbazone	J Struct. Chem. Vol. 53, No. 5, pp. 932-937, 2012	S. Anitha, J. Karthikeyan, and A. Nityananda Shetty
11.	New imidazo[1,2-a]pyridines carrying active pharmacophores: Synthesis and anticonvulsant studies.	Bioorganic Medicinal Chemistry Letters, 23(05), 2013, 1502-1506.	Shrikanth Ulloora, Ramakrishna Shabaraya, Syed Aamir, Airody Vasudeva Adhikari.
12.	Facile synthesis of new imidazo[1,2-a]pyridines carrying 1,2,3-triazoles via click chemistry and their antiepileptic studies	Bioorg. Med. Chem. Lett. 23(11), 2013, 3368-3372.	Shrikanth Ulloora, Ramakrishna Shabaraya and Airody Vasudeva Adhikari.
13.	New dihydropyridine derivatives: Anti-inflammatory, analgesic and docking studies.	Med. Chem. Res. 22(04), 2013, 1549-1562.	Santhosh Kumar, Ramakrishna Shabaraya and Airody Vasudeva Adhikari
14.	Synthesis and antiepileptic studies of new imidazo[1,2-a]pyridine derivatives.	Chin. Chem. Lett. Accepted for publication on May 17, 2013	Shrikanth Ulloora, Ramakrishna Shabaraya, Airody Vasudeva Adhikari,
15.	Synthesis and characterization of thiophene based donor-acceptor type polyimide and polyazomethines for optical limiting applications.	Polymer Bulletin, 70, 2012, 147-169	K.A. Vishnumurthy, M. S. Sunitha, A. Vasudeva Adhikari
16.	Large third order nonlinearity of new π -conjugated donor-acceptor polymers with substituted thiophene and 1,3,4-oxadiazole moieties.	International Journal of Polymeric Materials, 61(2012) 1-22.	M.S. Sunitha, A. V. Adhikari, K.A. Vishnumurthy, K. Safakath, R. Philip.
17.	Electrochemical and nonlinear optical properties of new D-A type π -conjugated polymers carrying 3,4-benzyloxythiophene, oxadiazole and 3,4-alkoxythiophene systems	Chemistry Letters, 41 (2012) 234-236	M.S. Sunitha, A.V. Adhikari, K.A. Vishnumurthy, N. Smijesh N, R. Philip

18	Synthesis, structural analysis and solvatochromic behaviour of 4,6-bis(4-butoxyphenyl)-2-methoxynicotinonitrile mesogen.	Liquid crystal, 40 (2013) 31-38.	T.N. Ahipa, Vijith kumar, Airody V. Adhikari
19	Surface modification by multilayered Zn-Co alloys coatings	Surface Engineering, (2012), Vol. 28(1) 49-56.	Yogesha, S. and A. Chitharanjan Hegde,
20	Magnetic property and corrosion resistance of electrodeposited nanocrystalline iron-nickel alloys	Applied Surface Science, (2012) 258, 6884- 6890.	G.P. Pavithra and A. C. Hegde
21	Electrodeposition of cyclic multilayer Zn-Co films using square current pulses and investigations on their corrosion behaviors	Journal of Minerals and Materials Characterization and Engineering, (2012) 11, 896-903.	Ramesh Bhat and A. C. Hegde
22	Electroplating and Corrosion study of Zn-Co, Zn-Fe and Zn-Co-Fe Alloys,	Anal. Bioanal. Electrochem., (2012) Vol. 4, No. 6, 593 – 609.	Ramesh S. Bhat and A. C. Hegde
23	Development of Nanostructure Multilayer Co-Ni Alloy Coatings for Enhanced Corrosion Protection	Anal. Bioanal. Electrochem., (2013) Vol. 5(1) 59 – 73.	G. P. Pavithra and A. C. Hegde
24	Production of Layered Coatings of Fe-Ni Alloy for Enhanced Corrosion Protection	Surface Engineering and Applied Electrochemistry, 2013, Vol. 49, No (3), pp. 261–266.	G. P. Pavithra and A. C. Hegde
25	Corrosion Protection of Electrodeposited Multilayer Nanocomposite Zn-Ni-SiO ₂ Coatings	Surface Engineering and App. Electrochemistry, 2013, Vol. 49, No. 2, pp. 161–167.	Yathish Ullal and A. C. Hegde
26	Layered coating of Zn-Co alloys on mild steel using triangular current pulses for better corrosion protection	Trans Indian Inst Met (2013) 66(3):193–199.	Ramesh Bhat, Udaya Bhat, and A. C. Hegde
27	Nonlinear Optical and All-Optical Switching Studies of Palladium (II) Complex,	Materials Letters, 2013, In press	K.B. Manjunatha, R. Dileep, G. Umesh and B. Ramachandra Bhat
28	Mass production of carbon nanofibers on water soluble support	Advanced Materials Research, 678, 2013, 198-202	Ravindra R and Badekai Ramachandra Bhat
29	Study of third-order nonlinear optical and all-optical switching properties of palladium metal-organic complex,	Optical Materials, 35, 2013, 1366-1372	K.B. Manjunatha, R. Dileep, G. Umesh and B. Ramachandra Bhat,
30	ZnO/carbon nanotube nanocomposite for high energy density supercapacitors.	ElectrochimicaActa, 95, 2013, 119-124	L. S. Aravinda, K. K. Nagaraja, H. S. Nagaraja, K. Udaya Bhat and B. Ramachandra Bhat,

31	Green Approach to Synthesize Multi-Walled Carbon Nanotubes by Using Metal Formate as Catalyst Precursors	J. Nanosci. Nanotechnol. 13, 2013, 2153-2158.	R. Ravindra and Badekai Ramachandra, Bhat
32	Bulk Scale Production of Carbon Nanofibers in an Economical Way	Front.Mater.Sci. Doi:10.1007/s11706-012-0183-3 2012	R. Ravindra and Badekai Ramachandra, Bhat
33	Study of effect of temperature on the synthesis of carbon nanotubes by floating catalyst method,	J. Met. Mater. Miner. 22(2), 2012.	Ravindra R and Badekai Ramachandra Bhat
34	Synthesis of worm-shaped carbon nanofibers over a sodium chloride support, J. Nanopart. Res., 14, 2012, 656-661. ISSN No. 1572-896X.	J. Nanopart. Res., 14, 2012, 656-661.	R. Ravindra and Badekai Ramachandra Bhat
35	Large scale synthesis of carbon nanofibers on sodium chloride support	Nanomater. Nanotechnol., 2, 2012, 1-6	Ravindra R and Badekai Ramachandra Bhat
36	Multiwalled Carbon Nanotube bound Nickel Schiff Base Complexes as reusable Catalysts for Oxidation of Alcohols	Ravindra R, J. Coord. Chem. 65, 2012, 2671..	Ravindra R, T. H. Kim and Badekai Ramachandra Bhat ,
37	Octupolarmetal complexes for third order nonlinear optical studies,	Chem. Phys. Lett. 542, 2012,159-163	B.J. Rudresha, K.B. Manjunatha, G. Umesh and Ramachandra Bhat B
38	Homocoupling of aryl Grignard reagents to form biaryls using ruthenium(III) complex, [RuCl(C3S5)(H2O)(PPh3)2]	Journal of Molecular Catalysis A: Chemical 358, 2012, 73-78,	Aparna P I and B Ramachandra Bhat
39	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, 58 (2013) 271-278	V R Karanth and Denthaje Krishna Bhat
40	Miscibility, water uptake, ion exchange capacity, conductivity and dielectric studies of poly(methyl methacrylate) and cellulose acetate blends	J. Appl. Polym. Sci., 2013, 128, xxxx	H.S. SreekanthaJois and Denthaje Krishna Bhat
41	Microwave-assisted synthesis of TiO ₂ nano particles and its electrochemical properties with activated carbon	Applied Surface Science, 2012, 263, 236-241.	M. Selvakumar, D. Krishna Bhat
42	Miscibility studies of chitosan and starch blends in buffer solution.	J Macromol Sci. Part A: Pure and Applied Chemistry, 2012, 49:12, 1099-1105.	Y.N. Sudhakar, Sowmya, M. Selvakumar, and D. Krishna Bhat
43	'LiClO ₄ doped plasticized chitosan and poly(ethyleneglycol) blend as biodegradable polymer electrolyte for supercapacitors'	Ionics, DOI 10.1007/s11581-012-0745-5.	Y.N. Sudhakar, M. Selvakumar, and D. Krishna Bhat.
44	Synthesis, characterization and desalination study of composite NF membranes of novel Poly[(4-	J. Membr. Sci.428 (2013) 489-497.	Mahesh Padaki, Arun M. Isloor, Rajesha Kumar, Ahmad Fauzi Ismail and Takeshi Matsuura.

	aminophenyl)sulfonyl]butanediamide (PASB) and methylated Poly[(4-aminophenyl)sulfonyl]butanediamide (mPASB) with Polysulfone (PSf)		
45	Polysulfone-Chitosan blend ultrafiltration membranes: preparation, characterization, permeation and antifouling properties.	RSC Advances 3 (2013) 7855-7861.	Rajasha Kumar, Arun M. Isloor, A. F. Ismail, Suraya A. Rashid and T. Matsuura.
46	Enhanced hydrophilicity and salt rejection study of graphene oxide-polysulfone mixed matrix membrane	Desalination 313 (2013) 199-207.	B.M. Ganesh, Arun M. Isloor and A.F. Ismail
47	Synthesis, characterization and antimicrobial studies of some new quinoline incorporated benzimidazole derivatives.	Eur. J. Med. Chem. 54 (2012) 900-906.	B. Garudachari, M.N. Satyanarayana, B. Thippeswamy, C.K. Shivakumar, K.N. Shivananda, GurumurthyHegde and Arun M. Isloor
48	Synthesis of new 3-aryl-4-(3-aryl-4,5-dihydro-1H-pyrazol-5-yl)-1-phenyl-1H-pyrazole derivatives as potential antimicrobial agents.	Med. Chem. Res. 22 (2013) 2654-2664.	ShridharMalladi, Arun M. Isloor and S. K. Peethambar.
49	Preparation and characterization of PPEES/chitosan composite nanofiltration membrane	Desalination, 315 (2013) 135-141.	Seema S. Shenvi, Suraya A. Rashid, A.F. Ismail, M.A. Kassim and Arun M. Isloor.
50	Synthesis, characterization, and nonlinear optical properties of donor-acceptor conjugated polymers and polymer/Ag nanocomposites.	Journal of Materials Science, 2012 (47), 8022-8034.,	M.G. Murali, Udayakumar D, Kishore S.
51	Thiophene based donor-acceptor conjugated polymer as potential optoelectronic and photonic material.	Journal of Chemical Sciences, 2013, 125, (2), 247-257.	M.G. Murali, Udayakumar D, Vandana Yadav, Ritu Srivastava, K Safakath.
52	New Thiophene Based Donor-Acceptor Conjugated Polymers Carrying Fluorene or Cyanovinylene Units: Synthesis, Characterization and Electroluminescent Properties.	Polymer Engineering and Science, Article first published online: 22 NOV 2012,	M.G. Murali, D. Udayakumar, Vandana Yadav, Ritu Srivastava.
53	Condensation of malonitrile with salicylaldehydes and o-aminobenzaldehydes revisited: solvent and catalyst free synthesis of 4H-chromenes and quinolines	RSC Advances, 2(2012), 10556-10563	Subrahmanya Ishwar Bhat, Angshuman Roy Choudhury and Darshak R. Trivedi
54	Fast and efficient synthesis of N-substituted β -aminobutyric acids by grinding at room temperature	Environmental Chemistry Letters, 11(2013), 91-97	Subrahmanya Ishwar Bhat, and Darshak R. Trivedi
55	Colorimetric receptors for naked eye detection of inorganic fluoride ion in aqueous media using ICT mechanism	RSC Advances, 2(2012), 10499-10504	Madhuprasad, A. Nityananda Shetty and Darshak R. Trivedi

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1.	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	K S Shivaprakasha, Muralidhar Kulkarni Raghavendra Patkar
2.	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	K S Shivaprakasha Muralidhar Kulkarni
3.	Classification of FSO channel models using Radial Basis Function Neural networks and their BER performance with Luby Transform Codes	International Journal of Artificial Intelligence (IJAI), 2012.	Geetha Prakash Muralidhar Kulkarni U Sripati
4.	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
5.	Soft decision Fano coding of block codes over discrete memoryless channel using tree diagram	Journal of Electrical Engineering, Vol.63, No. 1, ISSN 1335 - 3632, pp.59-64, Jan – Feb 2012.	Prashantha Kumar H Sripati U Rajesh Shetty K Shankarananda B
6.	Low Complexity Distributed Video Coding with Golay Codes	International Journal of Machine Learning and Computing vol. 2, no. 4, pp. 466-470, August 2012	Aparna P. Sumam David
7.	A low power, fully differential bulk driven OTA in 180 nm CMOS Technology	International Journal of Computer and Electrical Engineering (IJCEE), Vol. 4, No. 3, June 2012.	Rekha S Laxminidhi T
8.	Impedance Matching in Multi-Layer Interconnect Structures to Minimize Signal Reflections in High Speed Applications	International Journal of Computer and Electrical Engineering, Vol. 4, No. 3, June 2012, pp. 345-349.	Soorya Krishna K M. S. Bhat
9.	Despeckling low SNR, low contrast ultrasound images via anisotropic level set diffusion	Multidimensional Systems and Signal Processing, Springer, published online, April, 2012	A. A. Bini M. S. Bhat
10.	Minimization of Via-Induced Signal Reflection in On-Chip High Speed Interconnect Lines	Circuits, Systems, and Signal Processing, Springer, Volume 31, Number 2 (2012), 689-702	Soorya Krishna K M.S. Bhat
11.	Enhancing the Error Correcting Capability of Imai-Kamiyanagi Codes for Data Storage Systems by Adopting Iterative Decoding Using a Parity Check Tree	IETE Journal of Research, Vol. 58, Issue 4, pp. 272-278, July-Aug 2012	Prashantha Kumar H, Sripati U, Rajesh Shetty K B. Shankarananda
12.	Performance Analysis of stack Decoding on Block Coded Modulation Schemes using Tree Diagram	Radio electronics and communication systems, Vol.55, No.8, pp. 349 – 359, August, 2012.	K.H. Prashantha U.K. Vineeth, U Sripati Rajesh K Shetty

13.	Hybrid scheme for CFO cancellation in OFDM systems	ACTA Press International Journal of Modeling and Simulation (IJMS), Canada, ISSN (Online): 1925-7082, ISSN (Hardcopy): 0228-6203.	Savitha H.M Muralidhar Kulkarni
14.	Real-Time Implementation of a Novel Vector-Locked Loop for Synchronous Extraction of Harmonics in Power Systems	Journal of Electrical Engineering, University Politehnica, Romania, Vol. 12, No.1, pp. 87-94, 2012	Jora M Gonda Sumam David
15.	Real-time implementation of an amplitude-locked loop: a validation on the dSPACE DS1006-based platform	Turkish Journal of Electrical Engineering and Computer Sciences, 2012	Jora M Gonda Sumam David
16.	Implementation of Comprehensive Address Generator for DSP	International Journal of Electronics, Taylor & Francis, pp. 1-18, 2012 DOI:10.1080/00207217.2012.713009	Ramesh Kini. M Sumam David

Department of Electrical and Electronics Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1.	Comprehensive Study of Mixed Eccentricity Fault Diagnosis in Induction Motors Using Signature Analysis	International Journal of Electrical Power & Energy Systems (IJPEES) 35 (2012), ELSEVIER, VOL. 35, ISSUE 1, February, 2012, pp. 180-185.	B.L. Rajalakshmi Samaga, K.P.Vittal
2.	Computation of Electric Field and Thermal Properties of 3-Phase Cable	TELKOMNIKA, Vol.10, No.2, June 2012, pp. 265~274, Indonesian Journal of Electrical Engineering.	K. Rajagopala, K. Panduranga Vittal, Hemsingh Lunavath,
3.	Hardware in the Loop Testing of DSP Based Relay for STATCOM Connected Transmission Line",	International Journal of Distributed Energy Resources, Technology and Science Publishers, Germany Sep. 2012	Sham M.V, K.P..Vittal
4.	Modelling of power generation using Municipal Solid Waste in India	International Journal of Electrical and Computer Engineering, Vol.2, No.2, April 2012	Udaykumar R. Yaragatti and S. B. Karajgi
5.	Power Control Strategy for Grid Connected Permanent Magnet Synchronous Generator of a Distributed Generation Unit"	International Journal of Electrical Power and Energy Systems, INDERSCIENCE	Vinatha U, Vittal K.P
6.	Isolated Operation of Variable Speed PMSG with Battery Storage System for WECS."	Journal of electrical and control engineering(JECE)	Vinatha U, Vittal K.P

7.	Concerning channel base current functions for lightning studies	IEEE Trans. Electromagn. Compat., vol. 54, no. 6, pp.1318-1320, Dec. 2012, DOI: 10.1109/TEMC.2012.2224350	Shakthi Prasad D and Gururaj S. Puneekar
8	Modeling and Performance Analysis of Microturbine Generation System in Grid Connected/Islanding Operation	International Journal of Renewable Energy Research Vol 2, No 4 (2012)	Sanjeev K Nayak, Dattatreya N Gaonkar,
9	Performance of Fuzzy Logic Controlled Microturbine Generation System in Connected to the Grid and Islanding mode of Operation”	International Journal of Fuzzy Logic Systems, Vol.2, No.3, pp.41-50, July 2012, Poland	Sanjeev K Nayak & D N Gaonkar
10	Coordinated voltage regulation of distribution network with distributed generators and multiple voltage control devices”	Journal of Electric Power Systems and Components, Vol.40, No. 9, pp 1072-1088, 2012.	R. Shivarudraswamy and D.N.Gaonkar
11	Coordinated voltage control with reactive powers of the distributed generators using genetic algorithm,”	International Journal of Science Engineering and Research. Vol.6 No.3, pp.1-5, June, 2012	R. Shivarudraswamy and D. N. Gaonkar
12	LEDs : A Study from Illuminance Perspective	Journal of Electrical Engineering (JEE “Politechnica” Publishing House, University of Timisoara, Romania ISSN1582-4594): Article 12.3.6, Volume 12, Edition : 3, 2012, pp37-42.	Gururaj S Puneekar, Suhas, Pratap Singh, N K Kishore
13	Performance Analysis of Single Phase Dynamic Voltage Restorer	International Journal Applied Engineering Research. Volume 8, Number 7, 2013, pp28-31	V Ansal, P Parthiban
14.	Harnessing Maximum Power from Solar PV Panel for Water Pumping Application: A Simple Approach	International Energy Journal (IEJ) Regional Energy Resources Information Centre (RERIC) , Thailand Sept. 2012 No.3, pp:145-160	M. Kappali and Dr. Udaykumar R.Y
15.	Solar Photo Voltaic Water Pumping Harnessing Maximum Power	International Journal on Electrical and Power Engineering (IJEPE) ACEEE, USA.Nov. 2012 Vol.3, No.4, pp: 1-8	M. Kappali, Dr. R.Y Udaykumar & V. R. Sheelavant
16.	An Approach to Quantify the Loss Reduction due to Distributed Generation	International Journal of Computer Applications (IJCA) Vol 52, No. 17, Aug. 2012, pp 13 – 18	Udaykumar R. Y and S. B. Karajgi

17.	Fault Location estimation in Distribution Systems with high penetration of Distributed Generation	International Journal of Computer and Electrical Engineering (IJCEE) Vol.4, No. 5, 2012, pp 632 – 636	Udaykumar R. Y and S. B. Karajgi
18	A novel MPPT controlled grid connected photovoltaic system with dual functionality of active power injection and reactive power compensation in a single phase system	Journal of Electrical Engineering, Romania, "Politechnica" publishing house, volume 12/2012- edition:2, pp-165-172.	Udaykumar R. Y. and Anant Naik

Department of Humanities, Social Sciences and Management

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Linking customer -based brand equity with business performance-A conceptual framework	AMET International Journal of Management , vol.4, No.2., 2012	Bijuna C. Mohan, Sequeira A.H.
2	Customer-Based Brand Equity in the Fast Moving Consumer Goods Industry in India	The International Journal of Management Vol.1, Issue 4, pp. 1-19, October 2012	Bijuna C. Mohan, Sequeira A.H.
3	Exploring the Inter linkages between Brand Equity and Business Performance- Towards a Conceptual Framework'	Managerial Marketing eJournal Vol.4, No. 41.	Bijuna C. Mohan, Sequeira A.H.
4	Measuring the Customer- Perceived Service Quality in Health Care Organization: A Case Study	Journal of Health Management, 14(1) 27-41, March 2012	D'Souza Sunil, Sequeira A.H.
5	Empirical study of customer value and its impact on customer satisfaction and behavior intention in cellular mobile services	International Journal of Retail and Marketing, September (2012)	Somashekar C. and Kiran K. B
6	Empirical study of customer value and its impact on strategic performance in cellular mobile services	Opinion' -A Bi-Annual International Journal of Business Management. December, (2012).	Somashekar C. and Kiran K. B
7	Strategic Resources and Sustainable competitive advantage for Cellular Mobile Operators	PES Business Review. January (2013)	Somashekar C. and Kiran K. B

8	Demographic factors and investment decision making of individuals	International Journal of Marketing, Financial Services and management research, volume 2 no. 1 Jan-Mar 2013. ISSN:22776788	Shetty Sukanya, Kiran K B and S Sridhar
9	Health Seeking Behaviour in Karnataka: Does Micro Health Insurance matter?	Indian Journal of Community Medicine, In print	Savitha, Kiran K.B.
10	A study on the marketing strategies of Indian garment exporters Post-Multi-Fiber Arrangement	South Asian Journal of Marketing & Management Research (SAJMMR) Volume 2, Issue 11 (November, 2012) ISSN 2249-877X.	Ramanna Shetty, Kiran K.B, Mihir Dash
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	Discussion-Music in the Balance	Accepted for publication in Economic and Political Weekly	Shashikantha K.
13	Service Productivity: Concerns, Challenges, and Research Directions	International Journal of Research in Commerce, IT & Management, Vol.No.2, Issue No.11, pp. 99-105, 2012	D'Souza Sunil
14	Public Expenditure on Human Development – A Empirical study of Karnataka State	Management Trends, Vol.9, No1., June 2012	Gopalakrishna B.V., Jayaprakash Rao
15	Teachers' multiple commitment in higher learning institutions.	International Journal of Physical and Social Sciences, 2, 8, 156-165.	Pavan Kumar S., Vijai N. Giri
16	Dimensionality of organizational citizenship behaviour in Indian engineering institutions.	International Journal of Education and Management Studies, 2, 3, 286-290.	Pavan Kumar S., Vijai N. Giri
17	Impact of Teachers' commitment forms on organizational citizenship behaviour in Indian engineering institutions.	Journal of IMS Group, 9, 1, 1-8.	Pavan Kumar S., Vijai N. Giri
18	"Do Brand Personalities make a difference to Consumers?"	Procedia-Social and Behavioural Sciences 37 (2012), Elsevier/Scopus, ISSN: 1877-0428, pg:31-37	Sheena
19	Experiences and Challenges in empowering women through Micro enterprises – A Case Study of Malappuram District in Kerala,	Research Explorer, Vol 1, January-June 2012, ISSN : 2250-1940, Pg 21-23	Sheena

Department of Information Technology

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	A Novel Spatio temporal registration framework for video copy localization based on multimodal features	<i>Elsevier Journal on Signal Processing, Volume 93, Issue 8, 2013, PP.2339-2351</i>	R. Roopalakshmi, G. Ram Mohana Reddy
2	An intelligent content-based image retrieval system for clinical decision support in brain tumor diagnosis	<i>Springer Journal on Multimedia Information Retrieval , Published Online, 2 March, 2013</i>	Megha. P. Arakeri, G. Ram Mohana Reddy
3	A framework for estimating geometric distortions in video copies based on visual-audio fingerprints	<i>Springer Journal on Signal, Image and Video Processing, Published Online, 1 Feb, 2013</i>	R. Roopalakshmi, G. Ram Mohana Reddy
4	A Gene Expression Based Quality of Service Aware Routing Protocol for Mobile Ad Hoc Networks	Springer Lecture Notes in Electrical Engineering, Vol. 131, 2013, pp 283-290	Yeshavanta Kubusada, Giridhar M, Kiran M, G. Ram Mohana Reddy
5	A Novel CBIR Approach to Differential Diagnosis of Liver Tumor on Computed Tomography Images	<i>Elsevier Journal on Procedia Engineering, Volume 38, 2012, Pages 528-536</i>	Megha. P. Arakeri, G. Ram Mohana Reddy
6	An Approach for Color Edge Detection with Automatic Threshold Detection	Springer Lecture Notes in Computer Science, Vol. 7135, 2012, pp 117-124	Arpitha M.D, Megha P Arakeri, G. Ram Mohana Reddy
7	Semantic Web Services - Discovery, Selection and Composition Techniques	<i>Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (LNICST) published by Springer; Impact Factor: 1; ISSN: 1867-8211</i>	Sowmya Kamath S Prof. Ananthanarayana V.S
8	A Group Based Approach for Bug Classification with Preprocessing for Efficient Mining	<i>International Journal of Computer Applications</i> , published by Published by Foundation of Computer Science, New York, USA. ISSN: 0975 - 8887	Sunil Joy Dommati, Sowmya Kamath S
9	Semantic Web - Applications, Challenges and Directions	<i>International Journal of Innovative Research in Science and Technology (IJIRST) published by International Sciences Press, Jan-June 2012 issue. ISSN: 2229-3116</i>	Sowmya Kamath S Dr. Prakash Raghavendra

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Expanding the applicability of a Simplified Newton-Tikhonov regularization method for ill-posed equations	Transactions on Mathematical Programming and Applications, Volume 1(2013), Number 4, 7585.	I.K.Argyros and S.George

2	Improved Local Convergence of Lavrentiev Regularization for Ill-posed Equations	Transactions on Mathematical Programming and Applications, Volume 1(2013), Number 2, 65-76.	I.K.Argyros and S.George
3	Projection method for Newton-Tikhonov regularization for non-linear ill-posed Hammerstein type operator equations	Int. J.Pure.Appl. Math, Vol 83(5), 643-650.	M.E.Shobha and S. George
4	Extending the Applicability of the Mesh Independence Principle for Solving Nonlinear Equations, Transactions on Mathematical Programming and Applications,	Volume 1(2013), Number 1, 1526	I.K.Argyros and S.George
5	Newton type iteration for Tikhonov regularization of nonlinear ill-posed problems	Journal of Mathematics, vol. 2013, Article ID 439316, 9 pages, 2013. doi:10.1155/2013/439316	S. George
6	Gauss curvature driven image inpainting for image reconstruction	Journal of Chinese Institute of Engineers,DOI:10.1080/02533839.2012.751332	P.Jidesh and S.George
7	Dynamical system method for ill-posed Hammerstein type operator equations with monotone operators	Int. J.Pure.Appl. Math, V.81, no.1, 129-143.	M.E.Shobha and S. George
8	An application of Newton type iterative method for Laverentiev regularization for ill-posed equations: Finite dimensional realization,	IAENG, Int J. Appl. Math, Vol.42,3, pp.164-170.	S.George and S.Pareth
9	Fourth-Order Gauss Curvature Driven Diffusion for Image Denoising	Int. J. Comp. Elect. Eng, Vol.4, No.3, pp. 350-354	P.Jidesh and S.George
10	Shock coupled fourth-order diffusion for image enhancement	Comput. Electr.Eng, 38, pp.1262-1277(doi:10.1016/j.compeleceeng.2012.03.017)	P. Jidesh and S. George
11	A quadratic Convergence yielding iterative method for nonlinear ill-posed operator equations,	Comput.Methods. Appl. Math. Vol.12, No.1, pp. 32-45.	S.George and A.I.Elmahdy
12	Two Step Newton Method for Non-linear Lavrentiev Regularization	ISRN Applied Mathematics , Vol. 2012,Article ID 728627, 14 pages,	S.George and S.Pareth

		doi:10.5402/2012/728627.	
13	Two Step Newton-Tikhonov Method for Hammerstein-Type Equations: Finite Dimensional Realization	ISRN Applied Mathematics, Vol. 2012, Article ID783579, 22 pages, doi:10.5402/2012/783579.	S.George and M.E.Shobha
14	Digital Signature-Based Secure Node Disjoint Multipath Routing Protocol for Wireless Sensor Networks	IEEE SENSORS JOURNAL, VOL12, NO 10, OCTOBER 2012, pp2941-2949.	Shiva Murthy G., Robert John D'Souza and Golla Varaprasad
15	Network lifetime analytical model for node-disjoint multipath routing in wireless sensor networks	Int. J. Communication Networks and Distributed Systems, Vol. 10, No. 2, 2013, pp 163-1	Shiva Murthy G., R.J.D'Souza and G.Varaprasad
16	Hyers-Ulam Stability of Linear Operators in Frechet Spaces	Appl. Math. Inf. Sci. 6, No. 3, 525-528 (2012)	P. Sam Johnson and S. Balaji
17	On Semiclosed Subspaces of Hilbert Spaces	International Journal of Pure and Applied Mathematics, Vol. 79, No. 2 (2012)	P. Sam Johnson and S. Balaji
18	An Enhanced Biometrics-based Remote User Authentication Scheme Using Mobile Devices	International Journal of Computational Intelligence Studies 2012 – Vol 1, No. 4, pp 333 – 348.	Madhusudhan R., and R. C. Mittal
19	Mersenne Primes in Real Quadratic Fields	Journal of Integer Sequences, Vol.15 (June 2012), Article 12.5.6. ISSN 1530 7638	Sushma Palimar and B R Shankar
20	Entrance Region Flow of Casson Fluid in a Circular Tube	Applied Mechanics and Materials, Vols.110-116 (2012) pp.698 – 706 (Trans.Tech. Publications, Switzerland).	A.Kandasamy and Rekha G.Pai

Department of Mechanical Engineering

Sl. No	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Fault Diagnosis of Helical Gear Box using Decision Tree through Vibration Signals	International Journal of Performability Engineering, 2013, 9(2), 195- 208	V. Sugumaran, Deepak Jain, M. Amarnath and Hemanthakumar
2	Buckling and Free vibration behavior of an isotropic plate under arbitrarily varying temperature distributions	International Journal of Structural Stability and Dynamics, Vol. 13, No. 3, 2013	P. Jeyaraj

3	Bending, Buckling and Free vibration behavior of FG-CNT reinforced polymer composite beam under non-uniform thermal load	Journal of Materials Design and Applications, (Accepted for publication)	K. Mayandi and P. Jeyaraj,
4	Experimental and Theoretical Investigations on the Cyclic Operation of TSA Cycle for Air Dehumidification Using Packed Beds of Silica Gel Particles	Energy 56 (2013) 8-24	Ramzy K, RavikiranKadoli, T. P. Ashok Babu
5	Experimental Investigation Of Single Cylinder 4s Si Engine With Hydrogen Blends	International Journal Of Mechanical Engineering & Technology (IJMET), Volume 3, Issue 3, 2012.	Suhas B.G, Shivaprasad K.V, Kumar G.N
6	“Computational And Experimental Study Of Engine Characteristics Using N-Butanol Gasoline Blends”	International Journal Of Mechanical Engineering And Technology (Ijmet), Volume 4, Issue 1, 2013	S Raviteja, Shashank S N,Kumar G N
7	Configuring sprue conduit expansion in plastic Injection mould design	International Journal of applied research in mechanical engineering Vol.3 Issue(1), 2013, pp15-21	MuralidharLakkanna RavikiranKadoli G C Mohan Kumar
8	Design Procedure for Optimum Efficacy of Magnetostrictive material ($Tb_{0.3}Dy_{0.7}Fe_{1.95}$) in Actuator Applications	International Journal of Engineering and Advanced Technology (International Online Open Access Journal) Vol. 2(2), 2012, pp. 187-190.	Raghavendra Joshi SubbaRao M RavikiranKadoli
9	Design and Study of Magnetization Characteristics of a Magnetostrictive ($Tb_{0.3}Dy_{0.7}Fe_{1.95}$) Actuator under Zero Pre-stress Conditions for Direct Current Input.	Advanced Materials Research Trans Tech Publications, Switzerland. Vol. 705, 2013, pp. 281-287.	Raghavendra Joshi RavikiranKadoli
10	Experimental studies on heat and mass transfer in a packed bed of burnt clay impregnated with $CaCl_2$ liquid desiccant and exploring the use of gas side resistance model.	Applied Thermal Engineering, Vol.50, 2013, pp.1299-1310.	Hiremath C.R., and RavikiranKadoli
11	Performance studies on the desiccant packed bed with varying particle size distribution along the bed.	Intl J of Refrigeration, Vol.35, Issue 3, 2012, pp.663-675.	A Ramzy K., RavikiranKadoli and T P Ashok Babu.
12	Experimental investigations on performance characteristics in wire electro discharge machining of Ti50Ni42.4Cu7.6 shape memory alloy	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture first published on June 10, 2013 as doi:10.1177/0954405413478771	S Narendranath, M Manjaiah, S Basavarajappa, and VN Gaitonde
13	Grain growth kinetics of accumulative roll bonded AZ61 alloy.	Advanced Materials Research, Vol. 585, pp 387-391, Trans Tech Publications, Switzerland.	H.Shivananda Nayaka, G.P. Chaudhari, B.S.S. Daniel.
14	Improvement of mechanical properties of FCC & HCP structured materials processed by equal channel angular pressing.	International Journal of Scientific and Engineering Research (IJSER), Vol. 4, (2013), pp. 570-573.	Shivananda Nayaka H Muralidhar Avvari, Narendranath.S,

15	Heterogeneous Optimization using Voronoi Partition	Locational Generalized	International Journal of Control, vol 86, issue 6, pp. 977-993, 2013.	K.R. Guruprasad and Debasish Ghose
16	Effectiveness-Based Partition: A new tool for solving a class of location optimization problems	Voronoi	Optimization Letters, Published online on 27 th June, 2012	K.R. Guruprasad
17	Performance of a Class of Multi-Robot Deploy and Search Strategies based on Centroidal Voronoi Configurations		International Journal of Control, vol 44, issue 4, pp. 680-699, 2013	K.R. Guruprasad and Debasish Ghose
18	Wear studies on wrought and heat treated Nimonic, Titanium and Superco super alloys		Int. Journal of Applied Sciences and Engineering Research, Vol. 1, No. 1, (2012), pp. 106-117	N Jegadeeswaran, Udaya Bhat K, Ramesh M R
19	Parametric optimization in Electrochemical machining of EN-31 alloy based on Grey relation approach		Applied Mechanics and Materials, 2012, Volumes 110 – 116, pp 1649-1656.	D.Chakradhar
20	Microstructural and Tribological Characterisation of Tin Coated Aluminium Alloy (6061)		International Journal of Mechanical Engineering , Volume 1, Issue 1, (2012), pp 73-78	Anil Kumar H C , N.K. Udayashankar , Sudheendra P and H.S. Hebbar
21	Effect of Particle Size of Fly ash on Mechanical and Tribological Properties of Aluminium alloy (Al6061) Composites and Their Correlations		International Journal of Mechanic Systems Engineering , Volume 3, Issue 1, (2013), pp 6-13	Anilkumar H.C. and H. Suresh Hebbar
22	Design and Implementation of Active Vibration Control in Smart Structures		International Journal of Research and Reviews in Mechatronic Design and Simulation, Vol 2, No.2, 2012, p92-98	Prashant Kumar Tripathi, KV Gangadharan
23	Design and Implementation of Web based Remote Laboratory for Engineering Education		International Journal of Engineering and Technology, Vol. 2, No 2, February, 2012, 270-278.	Prashant Kumar Tripathi, K.V Gangadharan,
24	Computer Interface to Accurately Determine Fermi Energy and Fermi Temperature of Materials		International Journal of Computer Applications (0975 – 8887) Vol 38, No.2, 2012.	Prashant Kumar Tripathi, K.V Gangadharan,
25	Coil based electromagnetic semi-active vibration control of flexible structure.		ANNALS of F.E.H. – Int. J. of Eng. Tome X (Year 2012). 190 Fascicule 2.ISSN 1584 – 2665, 185-190	Prashant Kumar Tripathi, K.V Gangadharan,
26	Numerical Study on Selective Catalytic Reduction System to Determine DeNOx Efficiency in Diesel Engine		International Journal on Theoretical and Applied Research in Mechanical Engineering, Vol.1, Issue 1, 2012, pp 102-106.	P. Mohanan, Manoj Kumar A P and Nagaraj S Nayak
27	Prediction and Optimization of Dimensional Shrinkage Variations in Injection Moulded Parts using Forward and Reverse Mapping of Artificial Neural Networks		Advanced Materials Research Vols. 463-464 (2012) pp 674-678.	Manjunath Patel G C and Prasad Krishna

28	Prediction of Surface Finish and Optimization of Machining Parameters in Turning	Advanced Materials Research Vols. 463-464 (2012) pp 679-683.	Devi Prasad, Prof. Prasad Krishna, Dr. Shrikantha S. Rao
29	CFD analysis of a CO2 based natural circulation loop with end heat exchangers	Applied Thermal Engineering, 36 (2012) 288-295.	Ajay K Yadav, M. Ram Gopal, Souvik Bhattacharyya
30	CO2 based natural circulation loops: new correlations for friction and heat transfer	Int. Journal of Heat and Mass Transfer, 55 (2012) 4621-4630.	Ajay K Yadav, M. Ram Gopal, Souvik Bhattacharyya,
31	Computational fluid dynamic analysis of a supercritical CO2 based natural circulation loop with end heat exchangers	Int. Journal of Advances in Engineering Sciences and Applied Mathematics, 4 (2012) 119-126.	Ajay K Yadav, M. Ram Gopal, Souvik Bhattacharyya,
32	Fault Diagnosis of Bearings through Vibration Signal Using Bayes Classifiers	International Journal of Computer Aided Engineering and Technology. Status: - Accepted for Publication	Hemanthakumar, T.A. Ranjit Kumar, M. Amarnath and V. Sugumaran
33	Virtual Sensing Technique for Thermal Error Compensation of a CNC Machine Tool	International Journal of Research & Technology IJERT, Vol.2, issue3, March 2013	K. Mahesh Kumar, G.C. Mohan Kumar, Vishwas Puttige
34	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.Mohankumar
35	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
36	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
37	Machinability of Bearing Steels by Face Turning Method	International Journal of Scientific & Engineering Research Volume 3, Issue 6, June-2012	Rajshekhhar Lalbondre, R.Manu, Prasad Krishna, Mohankumar.G.C
38	Numerical Study on Selective Catalytic Reduction System to Determine DeNOx Efficiency in Diesel Engine,	International Journal on Theoretical and Applied Research in Mechanical Engineering, Vol.1, Issue 1, 2012, pp 102	P. Mohanan, Manoj Kumar A P and Nagaraj S Nayak
39	Experimental Investigation on the Performance and Emission Characteristics of Diesel Engine using Preheated Pongamia Methyl Ester as Fuel,	International Journal of Advances in Engineering and technology, Vol. 5, Issue 1, 2012, pp.591	P. Mohanan, Dinesha P
40	Characterization of As Cast and Heat Treated Aluminium 6061/Zircon sand/Graphite Particulate Hybrid Composites	International Journal of Engineering and Advanced Technology, Volume-2, Issue-5, June 2013, pp 340-344	Gopi K.R, Mohandas K.N, Reddappa H.N, M.R. Ramesh
41	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, pp 214-220	N. Jegadeeswaran, K Udaya Bhat, M.R Ramesh

42	Development and Study of Retrofitted Standalone Solar Vapour Absorption Refrigerator	International Journal of Mechanical and Production Engineering (IJMPE) ISSN 2315-4489, Vol-1, Iss-1, 2012	Bhat,N D; Fernandes, A R; Gupta, H; Jacob, R A; Siddharth, S; Krishna, P
43	"Low Cost Data Acquisition and Control using Arduino Prototyping Platform and LabVIEW."	International Journal of science and Research (IJSR), Volume 2, Issue 2, 2013.	Naveenkumar R., and Prasad Krishna

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Artificial Neural Network Model for Prediction of Rock Properties from Sound Level Produced During Drilling	Geomechanics and Geoen지니어ing,-An International Journal, Vol 8(1), 2013.	Rajesh Kumar, B., Vardhan, H. and Govindaraj, M.
2.	Performance of Single Substrate in Sulphate Reducing Bioreactor for the Treatment of Acid Mine Drainage	Minerals Engineering, Vol.39, 2012, 29-35	Choudhary R.P. and Sheoran A.S.
3.	A Small Kaolin Beneficiation Unit: State of Art.	International Journal of Earth Sciences and Engineering, Vol 5 (4), 2012.	Choudhary R.P., Sheoran A.S. and Trivedi S.K.,
4.	Treatment of Acid Mine Drainage Utilizing Dimension Stone Waste,	Journal of Environmental Science and Technology Vol.5 (2), 2012, 119-127.	Sheoran A.S., Choudhary R.P. and Sheoran V.
5	Performance and Emission Characteristics Studies on Stationary Diesel Engines Operated with Cardanol Biofuel Blends	International Journal on Renewable Energy Resources, Vol.2(2), 2012, 289-294.	D.N.Mallikappa, Rana Pratap Reddy, Ch.S.N.Murthy
6	Performance and Emission Double Cylinder CI Engine Operated with Cardnol Bio Fuel	Elsevier - Renewable Energy, Vol 38(1), 2012, 150-154.	Mallikappa, D.N., Rana Pratap Reddy, Murthy, Ch. S. N.
7	Study on the Performance and Exhaust Emissions of a Diesel Engine Using Cardanol Biofuel Blends	International Journal of Earth Science and Engineering, Vol. 5 (1), 2012, 207-211.	Mallikappa, D.N., Rana Pratap Reddy, Murthy, Ch. S. N
8	Central Composite Design in Optimization of the Pneumatic Drilling Operations and Operating Parameters	International Journal of Mining and Mineral Processing, Vol. 3 (1), 2012, 21-27.	Kivade, S.B., Murthy, Ch.S.N., and Harshavardhan
9	Prediction of Penetration Rate and Sound Level Produced During Percussive Drilling	International Journal of Mining and Mineral Processing. Vol. 3(1), 2012, 13-20	Kivade, S.B., Murthy, Ch.S.N., and Harshavardhan
10	Corrosion Mitigation of the Oil Well Steels Using Organic Inhibitors – A Review	J. Mater. Environ. Sci., Vol 3 (5), 2012, 856-869.	R. Puthalath, A. O. Surendranathan, Ch. S. N. Murthy

11	Reservoir Formation Damage During Various Phases of Oil and Gas Recovery-An Overview	International Journal of Earth Sciences And Engineering, Vol 05 (2),2012, 224-231.	R. Puthalath, A. O. Surendranathan, Ch. S. N. Murthy
12	Illuminating Haul Roads in an Surface Mine with Respect to its Surface Reflectance	Scientific Journal of Telkomnika, Indonesia, Vol. 10 (2), 2012, 235-244.	Mangalpady Aruna & Sunil M Jaralikal,
13	A Critical Review on Estimation of Rock Properties vis-a-vis Sound Level	International Journal of Earth Sciences and Engineering, Vol. 15, (6), 2012	Maood, Harsha Vardhan, M. Aruna, Rajesh Kumar B
14	Investigation of Noise Level & Penetration of Pneumatic Drill vis -a - vis Rock Compressive Strength & Compressive Strength & Abrasivity.	International Journal of Earth Sciences and Engineering,2013 (accepted)	S.B.Kivade, S.B., Murthy, Ch.S.N, and Harsha Vadhan

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1	Processing of Primary Silicon and Mg ₂ Si Reinforced Hybrid Functionally Graded Aluminum Composites by Centrifugal Casting	Materials Science Forum, 2012, vol. 710, 395-400.	S. Raghunandan, Jasim Akber Hyder, T.P.D. Rajan, K. Narayan Prabhu, B.C. Pai
2	Equal Channel Angular Pressing of Aluminum-Alumina In Situ Metal Matrix Composite	Materials Science Forum, 2012, vol. 710, 248-252.	C.N. Athreya, V.P. Mahesh, M. Brahmakumar, T.P.D. Rajan, K. Narayan Prabhu, B.C. Pai, R.K. Gupta, P. Ramkumar
3	Effect of Cooling Rate during Solidification of Sn-9Zn Lead-Free Solder Alloy on its Microstructure, Tensile Strength and Ductile-Brittle Transition Temperature	Materials Science and Engineering: A, 2012, vol. 553, 64-70.	K. N. Prabhu, Parashuram Deshapande and Satyanarayan
4	Effect of chemical modification of Al-Si alloys on thermal diffusivity and contact heat transfer at the casting/chill interface	Journal of ASTM International Vol.9(2), 2012, DOI: 10.1520/JAI104057, Paper ID: JAI104057, pages 10	K.N.Prabhu, Jayananda and S. Hegde
5	Heat transfer at the casting/chill interface during solidification of commercially pure Zn and Zn base alloy (ZA8)	International Journal of Cast Metals Research, 25(3), 2012, 160-164	G. Ramesh and K.N.Prabhu
6	Effect of temperature and substrate surface texture on wettability and morphology of IMCs between Sn-0.7Cu solder alloy and copper substrate, Materials in Electronics	Journal of Materials Science: Materials in Electronics Volume 23, Issue 9 (2012), Page 1664-1672	Sathyanarayan and K.N.Prabhu

7	Effect of addition of aluminium nanoparticles on cooling performance and quench severity of water during immersion quenching	Journal of ASTM International 9(5), 2012, DOI: 10.1520/JAI104404	G. Ramesh and K.N.Prabhu
8	Effect of Mn on cooling behaviour and microstructure of chill cast Zn-Al (ZA8) alloy	Materials Science and Technology 28(11) 2012 1303-1307.	G. Ramesh, H.M. Vishwanath and K.N.Prabhu
9	Effect of Boundary Heat Transfer Coefficient and Probe Section Size on Cooling Curves During Quenching	Materials Performance and Characterization, 2012, DOI: 10.1520/MPC104365, pages: 8	G. Ramesh and K.N.Prabhu
10	Thermal analysis and microstructure of ZA8 alloy solidifying against chills	Transactions of the Indian Institute of Metals 65 (6), 2012, 719-723	G. Ramesh and K.N.Prabhu
11	Nicole Stanford and Satyanarayan, Wetting Behavior and Evolution of Microstructure of Sn-3.5Ag Solder Alloy on Electroplated 304 Stainless Steel Substrates	Transactions of the Indian Institute of Metals, 65 (6), 2012, 713-717	Vignesh U. Nayak, K. N. Prabhu
12	Assessment of Heat Transfer During Solidification of Al-22% Si Alloy by Inverse Analysis and Surface Roughness Based Predictive Model	Transactions of the Indian Institute of Metals 65 (6), 2012, 539-543	Jayananda and K. N. Prabhu
13	A Comparative Study of Contact Angle of Calcium Hydroxide to Root Canal Dentine using Different Vehicles: An invitro Study	Endodontology, 24(2), 2012, 59-64	Laxmish Mallya, S. Acharya, V.Ballal and K.N.Prabhu
14	Study of Reactive Wetting of Sn-0.7Cu and Sn-0.3Ag-0.7Cu Lead Free Solders during Solidification on Nickel Coated Al Substrates, World Academy of Science	Engineering and Technology, 73, 2013, 952-955	Sathyanarayan and K.N.Prabhu,
15	Wetting Behavior of Reactive and Non-Reactive Liquids on Metallic Substrates	World Academy of Science, Engineering and Technology, 73, 2013, 978-981	Pradeep Bhagawath, K.N. Prabhu, and Satyanarayan
16	Experimental Investigation of Contact Angle and Quench Severity of Mineral Oil and Palm Oil Blends	Journal of Materials Science and Engineering B 3 (2) (2013) 90-96	Peter Fernandes and K.N.Prabhu
17	Effect of purging gas on wetting behavior of Sn-3.5Ag lead-free solder on nickel coated aluminium substrate	Journal of Materials Engineering and Performance, 22 (3), 2013,723-728	K.N.Prabhu, M. Varun and Satyanarayan
18	Reservoir Formation Damage during various phases of oil and gas recovery- An overview	International Journal of Earth Sciences and Engineering (IJEE), 5(2), pp.224-231	Puthalath R., Murthy C. S. N., Surendranathan A. O.
19	Corrosion mitigation of the oil well steels using organic inhibitors - A review	J. Mater. Environ. Sci., 3 (5), 856-869	R. Puthalath, A. O. Surendranathan, Ch. S. N. Murthy

20	Effect of fiber weight fraction on mechanical properties of carbon-carbon composites	Journal of Polymer Composites, Volume 33, Issue 8, pages 1329–1334	Padmayya Shaniyara Naik, Surendranathan A. O., and Neelakantha V. Londe
21	Determination of friction by ring compression test for Al-5Zn-1Mg using graphite and MoS ₂ lubricants	Thammasat International Journal of Science and Technology, Vol. 17, No.3, pp. 13-19	Rijesh M, James Valder, and A. O. Surendranathan
22	Titanium – Aluminium Thin Films Preparation by Oblique Angle Sputtering and Their Characterization	International Journal of Engineering Research & Technology (IJERT), Volume 1, Issue 8	Sudheendra P., A. O. Surendranathan, and N. K. Udaya Shankar
23	Aluminising of Mild Steel Plates	ISRN Metallurgy, Vol 2013, article ID 191723, 6 pages, doi. 10.1155/2013/191723	K. Udaya Bhat, Prashant Huilgol and J. Jithin
24	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,
25	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
26	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
27	Surface modification of steels using Friction stir surfacing;	Materials Science Forum, v 710 (2012) pp258-263.	Janakiraman S. Jayachandra Reddy, Sathish V Kailas and Udaya Bhat K
28	Effect of deposition time on the characteristics of high phosphorous nickel deposit, deposited using electroless route;	Materials Science Forum, v710 (2012) pp. 671-676	Venkat Ram Reddy, Bharath Dixit, Udaya Bhat K
29	Formation of composite surface during friction surfacing of steel with aluminium	Advances in Tribology, vol 2012, article ID 614278, 5 pages oi:10.1155/2012/614278	Janakiraman S. and Udaya Bhat K
30	Extruded Poly(ethylene-co-octene)/Fly Ash Composites – Value added Products from an Environmental Pollutant	Journal of Polymer Research, 19(3), DOI: 10.1007/s10965-012-9840-6.	S. Anandhan, S. Madhava Sundar, T. Senthil, A. R. Mahendran, and G. S. Shibulal
31	Ball Milling of Class-F Indian Fly Ash Obtained from a Thermal power Station	International Journal of Energy Engineering, Vol. 2, 57- (2012).	Akshata G. Patil, and S. Anandhan
32	Parametric study of Manufacturing Ultrafine Polybenzimidazole Fibers by Electrospinning	International Journal of Plastics Technology, 16, 101- (2012).	S. Anandhan, K. Ponprapakaran, T. Senthil, G. George

33	Influence of Organically Modified Clay Mineral on Domain Structure and Properties of Segmented Thermoplastic Polyurethane Elastomer	Journal of Elastomers and Plastics, Published online 2 nd November 2012, DOI: 10.1177/0095244312465300.	S. Anandhan, H. S. Lee
34	Thermoplastic Vulcanizates from Post Consumer Computer Plastics/Nitrile Rubber Blends by Dynamic Vulcanization	Journal of Material Cycles and Waste Management, Published online 9 th January 2013, DOI: 10.1007/s10163-012-0112-7.	S. Anandhan, A. K. Bhowmick
35	Chemical resistant Ultrafine Poly(styrene-co-acrylonitrile) fibers by Electrospinning: Process optimization by Design of Experiment	Polymer-Plastics Technology and Engineering, 52, 407 (2013)	T. Senthil, G. George, S. Anandhan
36	Optical and dynamic nuclear polarization of ²⁹ Si nuclei via photoexcited triplet states of oxygen-vacancy complexes in isotopically controlled silicon	Phys. Rev. B 87, 075201 (2013)	T. Itahashi, H. Hayashi, M. R. Rahman, K. M. Itoh L. S. Vlasenko, M. P. Vlasenko, and D. S. Poloskin

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1.	Fabrication and characterization of thermal evaporated n-Si/ p-ZnTe thin film heterojunction diodes	Current applied Physics, 13 1 (298-301)	Gowrish K. Rao, Kasturi V. Bangera, G.K. Shivakumar
2.	Influence of substrate temperature and post deposition annealing on the properties of vacuum deposited ZnSe thin film	Materials Science in Semiconductor Processing, In press, Available online	Gowrish K. Rao, Kasturi V. Bangera, G.K. Shivakumar
3.	Study of doping of thermally evaporated ZnO thin films with indium and indium oxide.	Applied Nanoscience Available online	Sownya Palimar, Kasturi V. Bangera, G.K. Shivakumar
4.	Effect of annealing on the properties of zinc oxide nanofiber thin films grown by spray pyrolysis technique	Applied Nanoscience, Available online	Sadananda kumar N., Kasturi V. Bangera, G.K. Shivakumar
5.	Fabrication of single mode Y-branch waveguides in photosensitive polymer with reduced Y-junction residue	Optik 123, 1911(2012)	Rahul Singhal, M.N. Satyanarayan and Suchandan Pal
6.	Effect of annealing on the structural and nonlinear optical properties of ZnO thin films under cw regime	Journal of Physics D: Applied Physics Volume 46 Number 5	K K Nagaraja, S Pramodini, P Poornesh and H S Nagaraja
7.	Titanium-Alumunium Thin Films preparation byb oblique angle sputtering and their characterization	Sudhendra P. A O surendranathan, N K Udayashankar	International J. of Engg. Researcg& technology (IJERT), Vol.1, Issue 8, October-2012, p1-5

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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.	Effect of variation of wave height and ocean depth on the performance of Savonius rotors utilizing the orbital motion of ocean waves in shallow waters	Journal of sustainable energy and environment, 3, 53-57	VijayKumar Hinasageri, Ramesh, H. and Gourav. A

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Seismic performance of 245kV current transformer	The Journal of CPRI, Vol.8, No.3, September 2012, pp.185-190.	Srujana N, Ramesh Babu R and Venkataramana K
2	Corrosion effects on bond strength and load carrying capacity of RC members: An experimental investigation	Annual Research Journal, NMAM Institute of Technology, Nitte, India, Vol.2, June 2012, pp.1-4.	Shetty A and Venkataramana K.
3	Earthquake vulnerability assessment of buildings in NITK campus by RVS method	NITK Research Bulletin Vol.21, No.2, December 2012, pp.9-18.	Shyam Krishna, Venkataramana K and Tamizharasi G
4	Effects of corrosion on the bond strength and load carrying capacity of RC members	NITK Research Bulletin Vol.21, No.1, July 2012, pp.6-12.	Shetty A, Venkataramana K
5	Testing of fluids for making magnetorheological damper: An experimental study	NITK Research Bulletin Vol.21, No.1, July 2012, pp.19-25.	Tamizharasi G, Manohar A K, Sengupta K, Venkataramana K and Umesh G
6	"Performance of blended cement concrete subjected to elevated temperatures"	Tech Mantra, A technical magazine, published by Madras Cements, 2012, Vol. II, No.1, pp. 6-18.	Subhash C. Yaragal, K S Babu Narayan, Sushanth Nayak, Shoaib Mohammed, Shrihari K Naik, Ahamad Farid S and Darshan Patel
7	Public Perception and Response to Traffic Noise induced Annoyance : A Case study at Mangalore, India	NITK Research Bulletin, Vol. 21, No.2, Dec., pp 39-50	Sanjeeb Mohapatra, Mrityunjay Basankopp and Shrihari S.

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1.	A Comparison of PI Tuning by Direct Search and Genetic Algorithm for Optimal Control of AGC in Continuous-Discrete Mode	CPRI Journal, Vol.8, No.2, April 2012.	D. Jena and M. Vijay
2.	Torsional mode Interactions- Analysis''	CPRI Journal in March 2013.	Shashidhar M.K, Sreenad Batchu and Shubhanga K.N
3.	A Novel Approach to Harness Maximum Power from Solar PV Panel	Vol: 8, No. 4, pp:299-308 The Journal of Central Power Research Institute (CPRI), India Dec. 2012	M. Kappali and Dr. Udaykumar R.Y

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Brand equity and business performance : Towards a conceptual framework	Indian Journal of Marketing, vol.43, No.2., 2013	Bijuna C. Mohan, Sequeira A.H.
2	Development of Grounded Theory Towards Measurement of Patient Service Quality in Health Care Organizations	PES Business Review , vol.7, Issue 2 , pp27-39., 2012	D'Souza Sunil, Sequeira A.H.
3	The Relationship between Brand Equity and Business Performance- A Conceptual Framework'	Asian Academic Research Journal of Social Science & Humanities, volume 1, Issue 3, pp.146-156.	Bijuna C. Mohan, Sequeira A.H.
4	Linking Customer-Based Brand Equity with Business Performance –A Conceptual Framework	AMET Journal of Management (ISSN No : 2231-6779) July- Dec 2012 issue	Bijuna C. Mohan, Sequeira A.H.
5	Awareness and knowledge of micro health insurance: A case study	Journal of Health Management, 14(4), 481-494	Savitha, Kiran K.B.
6	Changes in the textile and Clothing industry in Bangalore – Post MFA	National seminar on "Creativity and Innovation in Business for Sustainable Competitive Advantage" funded by UGC and Organized by Mount Carmel College, Autonomous- Bangalore, on 1 st March, 2013.	Ramanna Shetty, Kiran K.B.
7	Reinventing Organisational Culture and Identification for Effective Mergers	Cultural Dimensions and Organizational Behaviour eJournal, Dec. 2012	Rashmi Uchil and Sequeira A.H.

8	Organizational Culture and Organizational Identification after Mergers – A Study of the Manufacturing and Service Industries	Asia Academic Research Associates, Dec. 2012	Rashmi Uchil and Sequeira A.H.
9	Interaction between Institutional Investment and stock returns in India	Accepted for publication in Finance India	M.T. Raju, Rajesh Acharya H.
10	Economic Growth and Human Development – The experience of Indian States	The Indian Journal of Industrial Relations, Vol 47, No.4, April 2012	Gopalakrishna B.V., D.S. Leelavathi
11	Amartya Sen's contribution to Human Development	Anveshana Journal, Vol 2, No.2, July-Dec 2012	Gopalakrishna B.V., D.S. Leelavathi
12	Accelerating rural development through youth empowerment.	Business Vision, April – June 2012, 94-98.	Pavan Kumar S., Sambaji Rao P.
13	An Insight into the Success of Brand Extensions – An Evaluation	Journal Of Management and Science, Special Issue V, Marketing Challenges in the 21 st Century, ISSN: 2249-1260, pg: 45-54.	Sheena

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	CFD study of single phase flow distribution in Rectangular, wavy and offset Minichannels with water	International Journal on Theoretical and Applied Research in Mechanical Engineering, Vol 1, Issue 1, 2012	Sreebhash S Kutty T.P. Ashok Babu
2	Experimental and theoretical investigation of combined effect of fluid and thermal induced vibration on vertical thin slender tube.	IOSR Journal of Mechanical and Civil Engineering, Vol.2, 2013,pp.63-68.	NarasimhaMarakala, AppuKutan K K and RavikiranKadoli.
3	A Study of Emission Characteristics and Performance of Biodiesel Prepared using Waste Cooking Oil with Cyclo Hexane as Additive.	NITK Research Bulletin, July 2012. Vol.21, Number 1, pp 26-33.	Mohanan P and George Varghese,
4	A Study of Emission Characteristics and Performance of Biodiesel Prepared using Waste Cooking Oil with Cyclo Hexane as Additive.	NITK Research Bulletin, July 2012. Vol.21, Number 1, pp 26-33	Mohanan P and George Varghese

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1.	The use of Dimensional Analysis and Optimization of Pneumatic Drilling Operations and Operating Parameters	Journal of The Institution of Engineers (India), Vol. 93(1), 2012,31-36,	Kivade, S.B., Murthy, Ch.S.N., and Harshavardhan

2	Acid Mine Drainage and its Impacts on the Mining Environment and Remedial measures- An overview	The Indian Mining & Engineering Journal, Vol. 52(5), 2013, 6-12.	Murthy, Ch. S. N., Surendranathan, A. O. R. Puthalath, and Imran Hussian, M.
3	Land-Use Land-Cover Changes in East Singbhum Mineralized Zone: A Case Study	The Indian Mining & Engineering Journal, Vol. 51(11), 2012, 19-22.	Kashinath Pal, D. Deb, H. Vardhan, M. Aruna, B. Samantha, A. K. Sarangi, P. Chaudhury,

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Cooling characteristics of liquid quenchants for heat treatment of castings	<i>Indian Foundry Journal</i> , 58(12), 2012, 23-29	G. Ramesh and K. N. Prabhu
2	Equal Channel Angular Pressing of Tubular Commercial Purity Aluminium	NITK Research Bulletin, Vol.21, No.1, July 2012, pp. 1-5	James Valder, Rijesh M, and A. O. Surendranathan

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1.	Hydrodynamic Performance Characteristics of Sea Side Perforated Semicircular Breakwater	PIANC-COPEDEC VIII International Conference, 20-24, February 2012, IIT Madras, Chennai. India. 2012	A.V.Hegde, Subba Rao and Kiran Kumar G B
2.	Urban water consumption estimation using Artificial Intelligence techniques	Proceedings of International conference on Environmentally Sustainable Urban Ecosystems, ENSURE 2012,IIT,Guwahati, feb24th-26 th ,paper170	Surendra Halasooru and Paresh Chandra Deka
3.	ANN and ANFIS Modeling of failure trend analysis in urban water distribution network	Proceedings of International conference on Environmentally Sustainable UrbanEcosystems, ENSURE 2012,IIT,Guwahati ,feb24th-26 th ,paper155	L. P Markose and Paresh chandra Deka
4.	Effects of data preprocessing on the prediction accuracy of Artificial Neural network model in non-stationary hydrological time series	Proceedings of International conference on Environmentally Sustainable Urban Ecosystems, ENSURE 2012,IIT, Guwahati, feb24th-26 th ,paper174	Aniruddha Gopal Banhatti and Paresh chandra Deka

5.	Applications of wavelet transform technique in hydrology-A brief review	Proceedings of International conference on Environmentally Sustainable Urban Ecosystems, ENSURE 2012, IIT, Guwahati, feb24th-26 th , paper213	Khandekar Sachin Dadu and Paresh chandra Deka
6.	Applying pedotransfer functions to assess soil water retention characteristics and their spatial variability in coastal area of Karnataka	Proceedings of Geomatrix'12. Bombay, India.	P Shwetha and K Varija
7.	Selection of Suitable sites for Small Hydropower generation using GIS and Remote Sensing	Proc. of international conference on water resources and environmental engineering, Asia Pacific young water professional conference -2012 (APYWP2012), IWA, 7-9, December, 2012, Tokyo, Japan	Ramesh, H. and Vani
8.	Simulation of hydraulic parameters in water distribution network using EPANET and GIS	Proc. of an International Conf. on Ecology, Environment and Biological Sciences (ICEEBS'2012), held during January 7-8, 2012, Dubai, UAE.	Ramesh, H., Santhosh L. and Jagadeesha C. J.,

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1	Utilization of renewable agricultural residues for solute and enzyme production from newly isolated halophilic bacteria	3rd World Congress on Biotechnology' Hyderabad, India, September 2012. J. Biotechnol. Biomater. (2012), 2(6), 247	Pooja Shivanand and Gopal Mugeraya
2	Production studies of ectoine, xylanase and cellulase from newly isolated halophilic bacteria using renewable agro-residues	Chemcon-2012, International Conference on Sustainable technologies for energy and environment in process industries, Dr. B. R. Ambedkar NIT, Jalandhar, Punjab, India, Dec 2012, pp. 512	Pooja Shivanand and Gopal Mugeraya
3	Photocatalytic application of Ag@TiO ₂ core-shell nanoparticles for dye degradation under solar light,	International Conference on Nanomaterials(ICN-2012), Mahatma Gandhi University, Kottayam, Kerala, 12-15 th Jan, 2012, pp22	Ankita Khanna, Vidya Shetty K,

4	Isolation and screening of therapeutic enzyme uricase producing bacterial species and their industrial relevance	World Congress on Biotechnology, Hyderabad, 4-6 May, 2012	Pooja Nanda, P. E. Jagadeesh Babu
5	Biosynthesis of silver nanoparticles from <i>Pseudomonas</i> sp. Isolated and screened from metal rich soil.	World Congress on Biotechnology, 04-06 May 2012, Hyderabad, India	Aishwarya D, Dr. Vidya Shetty K and M. B Saidutta,
6	Screening of xylan degrading bacteria isolated from saline environments and their use in bioleaching of kraft pulp	2nd World Congress on Biotechnology, Hyderabad, India, 04-06 May 2012	Hitesh Chhabra, Pooja Shivanand and Gopal Mugeraya
7	Efficacy of Ag@TiO ₂ Core -Shell Structured Nanocatalysts for the Photocatalytic Degradation of Reactive Blue 220 dye under UV Light Irradiation	International Conference on Functional Materials for Defence (ICFMD-2012), DIAT, Pune, 18-20 th May, 2012, pp 139	Ankita Khanna and Vidya Shetty K
8	Optimization of halostable alkaline xylanase production from newly isolated <i>Brachybacterium</i> sp. strain PS3 using renewable agro-residues	International Conference on Advances in Chemical Engineering (ACE 2013), IIT Roorkee, India, Feb 2013, pp. 49	Pooja Shivanand, Gopal Mugeraya and Hitesh Chhabra
9	Effect of Calcination Conditions on the Solar Photocatalytic Efficacy of Ag@TiO ₂ for the degradation of an Azo Dye	InDACon-2013, MNIT Jaipur, 21-22 February 2013, 1-6	Ankita Khanna and Vidya Shetty K
10	Solar Applicability of Ag@TiO ₂ Core – Shell Nanoparticles for Photocatalytic Degradation of an Anthraquinone Dye (Acid Blue-129)	APM-2013, CIPET-Lucknow, 1-3 March 2013, 1-3	Ankita Khanna and Vidya Shetty K
11	Aerobic denitrification of synthetic waste water using an isolated bacterium	Advances In Biological Sciences, (2012), Kannur, Kerala.	Keshava Joshi, Josna Joseph, G. Srinikethan and M. B. Saidutta
12	Biosorption of Nickel (II) from Aqueous Solution Using <i>Bacillus laterosporus</i>	Advances In Biological Sciences, (2012), Kannur, Kerala.	Rajeswari M. Kulkarni, Srinikethan G. and Vidya Shetty K.

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Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Effect of corrosion on loss of composite action between steel and concrete	UKIERI Concrete Congress – Innovations in Concrete Construction, held at Jalandhar, India during March 5-8, 2013, pp. 1427-1432	Shetty A, Venkataramana K Babu Narayan K S and Gogoi I
2	Investigations on short term creep behavior of different types of concretes	3 rd International Engineering Symposium, March 4-6, 2013, Kumamoto University, Japan, Paper No. C1-4, pp.C141-C146	Ravikumara H S, Prabhakara R and Venkataramana K
3	on the dynamic characteristics of monolithic RC wall panels	3 rd International Engineering Symposium, March 4-6, 2013, Kumamoto University, Japan, Paper No. C2-1, pp.C211-C216	Amitha S B, Chethan K, Bhavanishankar S, Annapurna B P, Venkataramana K and Ramesh Babu R
4	Seismic response of retrofitted 2D RC frames with masonry infill panels	3 rd International Engineering Symposium, March 4-6, 2013, Kumamoto University, Japan, Paper No. C2-2, pp.C221-C226	Ravikumara H S, Venkataramana K, Ramesh Babu R and Prabhakara R
5	Structural health monitoring techniques in civil engineering : an overview	3 rd International Engineering Symposium, March 4-6, 2013, Kumamoto University, Japan, Paper No. C7-1, pp.C711-C718	Bhavana Patel S S, Venkataramana K, Babu Narayan K S, Bhagyashri Parla and Vijaya Vishnu Mayya
6	Experimental studies on the effects of corrosion on the flexural strength of RC beams	3 rd International Engineering Symposium, March 4-6, 2013, Kumamoto University, Japan, Paper No. C7-2, pp.C721-C724	Poornachand Pandit, Venkataramana K, Babu Narayan K S and Bhagyashri Parla
7	“Studies on Prestressed Reinforced Foundation Beds Overlying weak grounds”	International Conference on Emerging Trends in Engineering (ICETE-12), organized by NMAMIT, Nitte, 15-16 May 2012, pp 459 – 464 (presented by the first author).	Jayamohan, J. and Shivashankar, R.
8	“Geosynthetic Applications: Some Research Studies and Some Case Studies”	International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change (SGCC) 2012, Bangkok, Thailand, June 20-21, 2012, pp 111 - 121 (presented by the first author) Organized by IgS Thailand Chapter, Southeast Asian Geotechnical Society and ACSIG	Shivashankar, R. and Jayamohan, J.
9	“Load-Deformation Behaviour of Coir Mat Treated Soil”	International Conference on Ground Improvement and Ground Control (ICGI 2012), Oct. 30 – Nov.02, 2012, University of Wollongong, Australia (presented by the first author)	Ravi Shankar, A.U., Shivashankar, R. and Sachit Pai, N.

10	"Use of Radial Basis Function Neural Network for Bearing Pressure Prediction of Strip Footing on Reinforced Granular Bed overlying Weak Soil"	XXXIII International Conference on Architectural, Civil and Environmental Engg. (ICACEE), Paris, France, Nov. 28-29, 2012 (presented by the first author)	Srinath Shetty, K., Shivashankar, R. and Rashmi P. Shetty
11	"Studies on Behaviour of Footings on Prestressed Geonet Reinforced Granular Bed Overlying Weak Soil"	Geosynthetics 2013, Intl. Conference, Long Beach, California, USA, April 1-4, 2013 [Conference conducted under auspices of the International Geosynthetics Society (IgS)] (presented by the first author)	Jayamohan, J., Shivashankar, R., Aswathy, M.S. and Vigey Mary, W.
12	"Improving Bearing Capacity of Footings on Weak and Soft Soil"	3rd International Engineering Symposium (IES 2013) at Kumamoto University, Japan, March 4-6, 2013 [paper presented by the second author].	Shivashankar, R., Jayamohan, J. and Srinath Shetty, K.
13	"Geotechnical Engineering with Geosynthetics - An Overview"	Keynote lecture 3rd International Engineering Symposium (IES 2013) at Kumamoto University, Japan, March 4-6, 2013	Shivashankar, R.
14	"Wind and storm induced disasters", International Workshop on "Spatially enabled nations: A meta-integrative framework towards improving disaster management practices in India and Australia",	Australia India Strategic Research Fund: Bilateral Workshop, 21-24th January, 2013, IIT Madras.	Subhash C Yaragal,
15	"Strength deterioration of blended concretes under elevated temperatures",	3rd International Engineering Symposium – IES 2013, March 4-6, 2013, Kumamoto University, Japan	Bharath M S, M S Whakil, Raveendra R, V Arya, Rakesh, Mahabala M, Subhash C Yaragal and K S Babu Narayan,
16	"Effect of elevated temperature on the compressive strength and surface porosity of HPC",	Innovations in Concrete Construction, 5-8 March 2013, Jalandhar, Punjab, India.	Kishor Kulkarni, K S Babu Narayan and Subhash C. Yaragal,
17	"Effect of heating rate on strength retention characteristics of OPC concrete"	Innovations in Concrete Construction, 5-8 March 2013, Jalandhar, Punjab, India.	Shree Laxmi Prashanth, K S Babu Narayan and Subhash C. Yaragal,
18	"Application of nanotechnology in concrete technology",	Innovations in Concrete Construction, 5-8 March 2013, Jalandhar, Punjab, India.	Mitesh Kumar, K S Babu Narayan and Subhash C. Yaragal,
19	"Compressive strength recovery characteristics by recurring of (GGBS and Silica Fume) based concrete subjected to elevated temperatures and cooled suddenly in water",	World Conference, Vijayawada, A.P., August, 2012.	M M Kittur, Subhash C. Yaragal and K S Babu Narayan,

20	"Strength recovery characteristics of blended concrete exposed to elevated temperatures, subjected to a thermal shock and then water cured"	World Conference, Vijayawada, A.P., August, 2012.	Hanuma Kasagani, Subhash C. Yaragal and K S Babu Narayan,
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Department of Computer Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	"Experimental Evaluation of Recovery Algorithms of TCP in Wireless Networks"	International Engineering Symposium -- IES 2012, Kumamoto Univerisity, Japan, 5 th -7 th March 2012, pp. E2-2-1- E2-2-6.	Vikas Kumar, Annappa B , Mohit P Tahiliani
2.	"Efficient path finding algorithm for transmission of data in agricultural field using wireless sensor networks"	Second International Conference on Advances in Information Technology and Mobile Communication, Bangalore, April 26-27th, 2012. (Springer)	Smitha N Pai, K.C.Shet, Mruthyunjaya H.S.
3.	"A Fuzzy Sectional Real-time Scheduling Algorithm Based on System Load"	International Conference on Advances in Computing, (ICADC 2012) Bangalore, M S Ramaiah Institute of Technology, Bengaluru, July 2012	Abhinav K.R., Annappa
4.	"Knowledge Based Link Prediction Across Multiple Social Networks"	ACSIT 2012, pp:135-136, July 2012	Pardeshi Shubhangi Nivas and Santhi Thilagam P
5.	IT Service Provisioning by passing Hints in Module Interfaces"	IEEE Proceedings of 2012 International Conference on Advances in Computing and Communication, August 2012, India	John P Veigas, Nitesh Naik, K. Chandrasekaran
6.	"Restraining Add-on's Behavior in Private Browsing"(Poster paper)	I International Conference on Security of Internet of Things. August 2012, Kerala, India	Ameiyabapat, Alwyn R. Pais
7.	"Single sign on for cloud"	Turing 100 International Conference on Computing Sciences held at Lovely Professional University, Phagwara, Punjab. on 14-15, September 2012	PrakashMurukutla, K.C.Shet
8.	A trust based approach for AODV protocol to mitigate black hole attack in MANET"	Turing 100 International conf. on Computing Sciences, Lovely Professional University, Phagwara, Punjab, 14-15, September 2012	Fidel Thachil, K.C.Shet
9.	"Location Estimation of mobile in GSM & CDMA networks"	(Accepted) International Conference on Security in Computer Networks and Distributed Systems(SNDS-2012), October 2012, IITM-K.	TataramAdapa, Alwyn R. Pais
10.	"A proposal for high speed retrieval of data in cloud"	International Symposium on Cloud & Service Computing. (Submitted to ISCOS 2012) NITK Surathkal, 17-18, December 2012	Gita Shah, Dr K.C. Shet
11.	"Constructing and Exploring Composite Items Using	IEEE 12 th International Conference on Data Mining Workshops Brussels,	P. Gowtham Srinivas, M.

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
	Max-valid Bundles”	Belgium Belgium, ICDM Workshops 2012: 843-849, December 10, 2012, ISBN: 978-1-4673-5164-5	SreyanthaChary, D. Satheesh Kumar, P. Santhi Thilagam
12.	"A Scalable Cloud Platform using Matlab Distributed Computing Server Integrated with HDFS"	International Symposium on Cloud and Service Computing (ISCQS 2012) on 17th December 2012	Annappa B., Rahul Dutta
13.	"Cross-layer IDS for Rushing attack in Wireless Mesh Networks"	In Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology (CCSEIT '12). ACM, New York, NY, USA. 2012	K. Ganesh Reddy, P. Santhi Thilagam, NageswaraRao
14.	"Optimal scheduling of computational task in cloud using Virtual Machine Tree"	Third International Conference on Emerging Applications of Information Technology, (EAIT 2012) 2012	Raghavendra Achar, P.Santhi Thilagam, Shwetha D, Pooja H, Roshni and Andrea
15.	"NN based ontology mapping"	In proceedings of International conference on Advances in Information Technology and Mobile Communications AIM-2012, CCIS, Springer 2012	ManjulaShenoy K, K.C.Shet, U.Dinesh Acharya
16.	"Secured ontology matching using graph matching"	In proceedings of the International Conference on Advances in computing and information technology, ACITY_2012, advances in intelligent and soft computing Springer, 2012	Manjula Shenoy K, K.C. Shet, U.Dinesh Acharya
17.	"On the Effectiveness of CoDel for Active Queue Management"	Third International Conference on Advanced Computing and Communication Technologies (ACCT) 2013, IEEEExplore, 6-7 April 2013, Rohtak	Dipesh M Raghuvanshi, Annappa B, Mohit P Tahiliani
18.	"Modified RED Algorithm to Improve the Performance of Network Traffic"	Third International Conference on Advanced Computing and Communication Technologies (ACCT) 2013, IEEEExplore, 6-7 April 2013, Rohtak	Maulik K Dadhania, K Vinay Kumar
19.	"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, Abhisehk Bansal

Department of Chemistry

Sl. No.	Title of paper	Conference Name, Place, Dates, Page No.s	Author(s)
1.	Alignment Properties of a Thiophene Based Bis-hydrazone Derivative and Their Photoalignment Behavior” Gurumurthy Hegde, Vasudev Adhikari, M.M.Yusoff	Proceedings of SKAM25 Tokyo Conference, July 19, 2012.	Gurumurthy Hegde, Vasudev Adhikari M.M.Yusoff

Department of Electronics And Communication Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Utility of image processing on MRI scan for early detection of Alzheimer's Disease,	International Engineering Symposium (IES 2013), Kumamoto University, March 2013	Chetan Patil Madhumitha S Mathura M. G, Varun V. Nayak Sumam David S Merwyn Fernandes Anand Venugopal B. Unnikrishnan
2.	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. and M. S. Bhat
3.	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
4.	Design and implementation of an automatic traffic sign recognition system on TI OMAP-L138	IEEE International Conference on Industrial Technology (ICIT2013), Cape Town, February 2013	Phalguni Kishan Ganapathi Venugopala M Resmi Rajendran Sumam David
5.	Effect of Finite gain and Bandwidth of feed-forward compensated OTA on Active-RC integrators: A case study	International Symposium of Electronic System Design (ISED) 2012 held at Kolkata during 19-22 December 2012	Rekha S. Laxminidhi T
6.	Hardware Co-simulation of skin burn image analysis	19th IEEE International Conference in High Performance Computing (HiPC-2012): Student Research Symposium, Pune, India, December 18 - 21, 2012.	Deepak L, Joseph Antony, Niranjan Kumar V C
7.	Multi Threshold Adaptive Range Clustering Algorithm for Energy Balancing in Wireless Sensor Networks	Proceedings of the 9th IEEE International Conference on Wireless & Optical Communications Networks (WOCN 2012).	Nishant Joshi D K S Shivaprakasha Muralidhar Kulkarni
8.	Stub mounted loaded line phase shifter using novel RF MEMS switch	IEEE Intl. Conference on Electron Devices and Solid State Circuits (EDSSC2012), 3-5 December, 2012	Vasudev Anand B, Shajahan E. S. M. S. Bhat
9.	0.5 V, 36 μ W Gm-C Butterworth Low Pass Filter in 0.18 μ m CMOS process	4th Asia Symposium on Quality Electronic Design, Penang, Malaysia, 2012	Vasantha M.H Laxminidhi T
10.	20 μ W, 500 kHz Continuous-Time Low-Pass Filter in 0.18 μ m CMOS Process	2nd International Engineering Symposium (IES2012), Kumamoto University, Japan	Vasantha M.H. Tonse Laxminidhi

11.	Using RBF Neural Networks and Kullback- Leibler distance to classify channel models in Free Space Optics	Proceedings of the International Conference on Optical Engineering 2012(ICOE-2012).	Geetha Prakash Muralidhar Kulkarni U Sripati
12.	Performance Analysis of Free Space Optical Links Encoded Using Luby Transform codes	Proceedings of the International Conference on Communication, Information and Computing Technology (ICCICT-2012), India.	Geetha Prakash, Muralidhar Kulkarni U Sripati
13.	Geographical location based Hierarchical Routing Strategy for Wireless Sensor Networks	Proceedings of the 2012 International Conference on Devices, Circuits and Systems (ICDCS 2012), Coimbatore, India.	Pramod Kumar Ashvini Chaturvedi M. Kulkarni
14.	A Novel Hybrid Scheme using MLE with Pulse Shaping for ICI Cancellation in OFDM Systems	Proceedings of the 2012 International Conference on Computer Communication and Informatics (ICCCI -2012), India.	Savitha H. M. Muralidhar Kulkarni
15.	Switched Inverter Comparator based 0.5 V Low Power 6 bit Flash ADC	10th IEEE International Conference on Semiconductor Electronics, Kuala Lumpur, Malaysia, 19-21 September, 2012	Rajeev Komar M S Bhat T Laxminidhi
16.	Tuned Dual Beam Low Voltage RF MEMS Capacitive Switches for X – Band Applications	10th IEEE International Conference on Semiconductor Electronics, Kuala Lumpur, Malaysia, 19-21 September, 2012	E.S.Shajahan M S Bhat
17.	RF MEMS based Phase Shifters for Ka Band Applications	Fifth ISSS National Conference on MEMS, Smart Materials, Structures and Systems, 21-22, September, 2012, Coimbatore, India.	B. Vasudev Anand E. S. Shajahan M. S. Bhat
18.	Operating Analysis of DC and RF Characteristics of RF MEMS Capacitive coupled Shunt Switches by Geometrical Modifications and Material Selection	4th International Conference on Electronics Computer Technology - ICECT 2012	E. S. Shajahan M. S. Bhat
19.	Zero delay clocking system in GHz frequency regime using CRLH metamaterial structure	International Conference on Devices, Circuits and Systems (ICDCS), 2012, pp. 206 - 210.	Soorya Krishna K. M. S. Bhat
20.	A 0.5V 300 μ W 50MS/s 180nm 6bit Flash ADC using inverter based comparators	International Conference on Advances in Engineering, Science and Management (ICAESM), 2012, pp. 331 - 335.	Rajeev Komar M. S. Bhat T. Laxminidhi
21.	Effect of parasitics of feed-forward compensated OTA on Active-RC integrators	3rd international conference on Advances in Power Electronics and Instrumentation Engineering (PEIE 2012), Bangalore, Aug.03-04, 2012	Rekha S. Laxminidhi T

22.	A Nearest Neighbor Based Approach for Classifying Epileptiform EEG Using Non Linear DWT Features	International Conference on Signal Processing and Communications, Indian Institute of Science, Bangalore, July 22-25 2012.	Ashwini V R Aparna P
23.	A 500 kS/s 8-bit Charge Recycle Based 2-bit per Step SAR-ADC	Third International Conference on Emerging Applications of Information Technology (EAIT) at ISI, Kolkatta, 2012	Kalpana G. Bhat

Department of Electrical and Electronics Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Harnessing Maximum Power from Solar PV Panel for Water Pumping Application	Third International Conference on Control, Communication and Power Engineering 2012 - CCPE 2012. Proceedings Published by: Springer. Conference Organized by: ACEEE at Bengaluru, India on April 27,28 2012 (CCIS 296).	Udaykumar R. Y and M.R. Kappali
2	Development of a PC Based Multi- Function Recorder for the Laboratory Model Power System on RTAI-Linux Generator on RTAI-Linux Platform	Proceedings of IEEE India conference, IDICON-2012, held at Kochi, Kerala, December,Platform''7-9 th 2012.	Deepak M and Shubhanga K.N
3	Development of A Digital Excitation System for Synchronous	Proceedings of International conference on Green Technology, ICGT-2012, held at Trivandrum, Kerala, December, 18-20 th 2012.	Deepak M and Shubhanga K.N
4	Some aspects of location identification of PD source using AE signals by an iterative Method	Technical Session 2, paper no.1.2.7, PID-160, ICPADM-2012, July 24-28, at CPRI Bangalore.	Gururaj Puneekar, Priyanka Jadhav, Bhavani shanker T, Nagamani H. N
5	Uniform illumination over a square target-surface using LED arrangements	Proceedings of 4 th International Conference ICIIS 2012, IIT Madras, August 6 th to 9 th 2012 Session-S9; 978-1-4673-2605-6/12/\$31.00 © 2012 IEEE.	Gururaj S.Puneekar, Suhas K, Pratap Singh Yadav, Ritabrata Bhattacharya, Madhav Shekar
6	Height of Lightning Channel on EM-Fields: Comparison of NCBC with Heidler's Function	12 th International Conference on Electromagnetic Interference & Compatibility - (INCEMIC 2012), pp. 375-380, Bangalore, Dec. 2012.	Shakthi Prasad D., Chandrasekaran K. and Gururaj S. Puneekar

7	Finite Element Method Magnetics based Demonstration of rotating field in 4-pole induction motor	Proceedings of National System Conference-36, 6 th to 8 th December 2012, Annamali University, pp.233-238.	Gururaj S Puneekar, Harimurugan, H Guatham Tantry
8	intentional islanding of distributed generation system with a load shedding algorithm	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES-2012) CPRI, Bangalor, India, December 16-19, 2012.	Geethi krishnan and D..N. Gaonkar
9	Dynamic Modeling and Performance Analysis of Grid Connected PMSG based Variable Speed Wind Turbines With Simple Power Conditioning System	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES-2012) CPRI, Bangalor, India, December 16-19, 2012	Jayalakshmi N.S. and D.N.Gaonkar
10	Dynamic Modeling and Control of Grid Integrated Wind Generation System Using PMSG with MPPT Algorithm	IEEE-PES Fifteenth International Middle East Power Systems Conference (MEPCON'12) Alexandria, Egypt, December 23-25, 2012.	Jayalakshmi N.S. and D.N.Gaonkar
11	Modeling and Simulation Study of Fuel Cell and Wind Energy Based Hybrid Distributed Generation System.	Proc. IEEE Fifteenth International Middle East Power Systems Conference Alexandria, Egypt, December 2012 (MEPCON'12)	Santhosha, K.A. and Gaonkar D.N
12	Performance Analysis of Variable Speed Wind Energy Conversion System in Grid Connected Mode.	Proc. IEEE Fifth Power India Conference (PINCOF-12), Murthal India December 2012	Santhosha, K.A. and Gaonkar D.N
13	Modeling and Performance Analysis of Microturbine Generation System in Grid Connected/Islanding Mode"	IEEE International Conference, PEDES-2012, IISc, December 16-19- 2012, Bangalore.	Sanjeev K Nayak and D N Gaonkar
14	Performance Analysis of Variable Speed Wind Energy Conversion System in Grid Connected Mode	Proc. IEEE Fifth Power India Conference (PINCOF-12), Murthal India December 2012	Santhosha, K.A. and Gaonkar D.N.
15	Thermal and Electrical Model of Fuel Cell in Grid Connected and Islanding Modes of Operation	IEEE Power India Conference, PICONF-2012- December 19-22, New Delhi.	Sanjeev K Nayak and D N Gaonkar
16	Modeling and Performance Analysis of Microturbine Generation System in Grid Connected/Islanding Mode	IEEE International Conference, PEDES-2012, IISc, December 16-19- 2012, Bangalore	Sanjeev K Nayak and D N Gaonkar
17	Modelling and Performance Analysis of Fuel Cell and Microturbine Based Hybrid Distributed Generation System A Review	IEEE International Conference ICPEC 2012, Dindigul.	Sanjeev K Nayak and D N Gaonkar

18.	“Control of Energy loss in Industrial Electrical Distribution System”,	National Conference on Power Distribution (NCPD), Bangalore, held during 8 – 9 th Nov. 2012, Organized by Central Power Research Institute, Bangalore.	Rajashekar P. Mandi and Udaykumar R Y
19	Energy Efficiency Improvement of Auxiliary Power Equipment in Thermal Power Plant through Operational Optimization	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2012), co-organized by Central Power Research Institute, Bangalore, during 16 – 19 th December 2012 at National Science Seminar Complex, CSIC, IISc, Bangalore	Rajashekar P. Mandi and Udaykumar R. Y
20	Comparison of Three Popular Control Strategies Used in Shunt Active Power Filters	IEEE Asia Pacific Conference on Post Graduate Research in Micro Electronics and Electronic PRIME ASIA 2012, 5-7 Dec 2012 BITS Pilani Hyderabad	Udaykumar R. Y. and Anant Naik
21	Power management of a hybrid PEMFC-PV and Ultracapacitor for stand-alone and grid connected applications	IEEE International conference on Power Electronics, Drives and Energy systems (PEDES), 2012	Udaykumar R. Y., Anant naik, Vinayak Kole
22	A systematic approach to grid connected PV system	Fifth IEEE power india conference 2012, new delhi	Udaykumar R. Y., Shazia Afroze and Anant naik

Department of Humanities, Social Sciences and Management

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Exploring the Relationship between Brand Equity and Business Performance in the Fast Moving Consumer Goods (FMCG) Industry’	International Marketing Conference jointly organised by Indian Institute of Management Calcutta, and Georgia Tech at IIMC in December 2012.	Bijuna C. Mohan, Sequeira A.H.
2.	Role of Intangible Resources in Creating Superior Performance for Cellular Mobile Operators	Strategic management Forum Annual convention, Indian Institute of Management, Indore, April 3- 6, 2012	Somashekar C. and Kiran K. B

3.	Empirical Study of Superior Performance of Indian Cellular Mobile Service Providers	12th Consortium of Students in Management Research (COSMAR 2012) on 16th and 17th November, 2012 at Indian Institute of Science, Bangalore.	Somashekar C. and Kiran K. B
4.	Micro Health Insurance and Utilisation of Health Services in Karnataka: A Case Study	International Conference on Contemporary Debates in Public Policy and Management, Indian Institute of Management Calcutta, Kolkata, 7-9 February, 2013.	Savitha, Kiran K.B.
5.	Impact of Micro Health Insurance on Treatment Seeking Behaviour: Evidence from Karnataka	International Conference on Inclusiveness and Innovation – Challenges for Sustainable Growth of Emerging Economies, Symbiosis Institute of Management Studies, Pune, 12-14 December, 2012.	Savitha, Kiran K.B.
6.	The Marginalised Voices: Towards Creating Counter Images	International Conference on Language, Literature and Culture, 10-12 December 2012	Ambika G. Mallya, Shashikantha K.
7.	Can Wal-Mart Succeed without “You” – A Study of Two Indian Cities	Issues and Challenges in Retail Sector and Foreign Direct Investment in India and across the world at SCMS-UG, Pune, India, 15 and 16 February 2013	Rashmi Uchil, Arjun Venugopal, Nikhil
8.	Corporate reputation dimensions, enablers and outcomes in service organizations.	Tenth AIMS International Conference on Management, January 6-9, 2013, Indian Institute of Management Bangalore (IIMB) (Paper presented in absentia)	Upendra Maurya, Pavan Kumar S., Prahlad Mishra
9.	Brand Rejuvenation : Effects of New Extensions on Brands	International Conference on Trade, Markets and Sustainability- ICTMS 2013, Symbiosis International University, Pune, Feb 22-23 rd 2013	Sheena
10.	Engineering Students and their Perception on Outcome Based Education	Outcome Based Teaching and Learning of English, Dept. of Anna University, Chennai, 1-2 March 2013	Dhishna P.

Department of Information Technology

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	“Detection of Probe Attack using Clustering with Multi-Threading“	2 nd International Conference on Recent trends in Information Telecommunication and Computing (ITC 2012), August 3 -4, 2012, Bangalore, India	Vidit Pathak, Dr. Ananthanarayana VS

2	"Composition of Location Based Services in Decentralized Registry Based Architecture"	4 th International Conference on Semantic and Web Technology (WeST 2012), July 13 – 15, 2012, Chennai, India	Kavita Kumari, Melwyn D'Souza Ananthanarayana V.S
3	Delivering LBA with LBS using Service Oriented Architecture"	International Symposium for Cloud and IT Services (ISCOS 2012), Dec 17 – 18, 2012, NITK, Surathkal.	Melwyn D' Souza Ananthanarayana V.S.
4	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), Mumbai, 2013	Rahul Y, Nitish S, Prajna P Bhat, Suresh P, G Ram Mohana Reddy
5	Robust Features for Accurate Spatio Temporal Registration of Video Copies	Int. Conf. on Signal Processing and Communications (SPCOM-2012), IISc, Bangalore, July 2012, pp.1-5.	R. Roopalakshmi, G. Ram Mohana Reddy
6	A Parallel Fuzzy C Means Algor'm for Brain Tumor Segmentation on Multiple MRI Images	Int. Conf. on Advances in Computing;, Advances in Intelligent Systems and Computing, Vol 174, 2012, pp 787-794	Aarthi R, Ananya S, Andrea D'Souza, Megha Arakeri, G. Ram Mohana Reddy
7	Distance Based Termite Algorithm for Mobile Ad-Hoc Networks	ICIP-2012, UVCE, Bangalore, 2012; Wireless Networks and Computational Intelligence, Vol 292, 2012, pp 35-45	Kiran M., Praveenkumar G.H., G. Ram Mohana Reddy
8	Cognitive Network Layer in MANET's Mobility Aware Routing Protocol	ICIP-2012, UVCE, Bangalore, 2012; Wireless Networks and Computational Intelligence, Vol 292, 2012, pp 84-92	Zakeerhusen A.G., Kiran M., G. Rama Mohana Reddy
9	Syntactic, Semantic Feature Extraction and Preprocessing to Reduce Noise in Bug Classification	ICIP-2012, UVCE, Bangalore, 2012; Wireless Networks and Computational Intelligence, Vol 292, 2012, pp 329-339	Ruchi Agrawal, G. Ram Mohana Reddy
10	Comparison of Even Model using Naive Bayes for Bug Classification	Int. Conf. on Recent Trends in Computer Science & Information Tech., Pattaya, Thailand, April 2012, pp. 8-12	Sunil Joy D, Ruchi Agrawal, G. Ram Mohana Reddy, Sowmya Kamath
11	A parallel segmentation of brain tumor from magnetic resonance images	3rd Int. Conf. on Computing Commn & NW Technologies (ICCCNT), 2012, pp. 1-6	Dessai, V.S., Arakeri, M.P., Ram Mohana Reddy, G.
12	Optimized Termite: A bio-inspired routing algorithm for MANET's	Int. Conf. on Signal Processing and Communications (SPCOM-2012), IISc, Bangalore, July 2012, pp.1-5.	Hoolimath, P.K.G., Kiran, M., G. Ram Mohana Reddy
13	Impact of Design Factors on Application Specific High Security Wireless Sensor Network"	International Conference on Information Technology, Electronics & Communications, ICITEC - 2013, Hyderabad, India (ICITEC-2013)	Geetha V
14	A Group Based Approach for Bug Classification with Preprocessing for Efficient Mining	2013 International Conference on Information Systems and Computer Networks (ISCON 2013) on March 09 – 10, 2013 at GLA University, Mathura, India. (IEEE Proceedings)	Sunil Joy Dommati, Sowmya Kamath S

15	Semantic Web Services - Discovery, Selection and Composition Techniques	<i>Third International Conference on Computer Science and Information Technology (CCSIT 2013)</i> , held during February 18 ~ 20, 2013, in Bangalore, India	Sowmya Kamath S and Prof. Ananthanarayana V.S
16	W3-Scrape – A Windows based Reconnaissance Tool for Web Application Fingerprinting	<i>International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT 2012)</i> , organized by SRIT, Anantpur, Andhra Pradesh, December 22 -23, 2012. (Elsevier Proceedings) (Awarded the Best Paper Award for CSIT Track)	Karthik R, Raghavendra Karthik, Pramod S Sowmya Kamath S
17	Performance Evaluation of Secure Message Transfer in a PaaS application	<i>International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT 2012)</i> , organized by SRIT, Anantpur, Andhra Pradesh, December 22 -23, 2012 .(Elsevier Proceedings)	Asawari B, Sowmya Kamath S
18	Performance Evaluation of Web Browsers in Android Platform	<i>Third International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2012</i> , (Springer) to be held during Aug 03-04, 2012, Bangalore, India	Harsha Prabha E, Dhivya Piraviperumal, Dinesh Naik, Sowmya Kamath S, Gaurav Prasad
19	Research on Potential Semantic Web Service Discovery Mechanisms	<i>International Conference on Recent Trends in Computer Science and Engineering (ICRTCSE 2012)</i> , held on May 3 - 4, 2012, Chennai, India	Anji Reddy A, Sowmya Kamath S
20	Bug Classification: Feature Extraction and Comparison of Event Model using Naive Bayes Approach	<i>International Conference on Recent Trends in Computer and Information Engineering (ICRTCIE 2012)</i> , held on April 13-15, 2012, Pattaya, Thailand.	Sunil Joy Dommatti, Ruchi Agarwal, G Rammohana Reddy, Sowmya Kamath S

Department of Mathematical And Computational Sciences

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Reliability Analysis of Route redundancy Model for Energy Efficient Node Disjoint Multipath Routing in Wireless Sensor Networks	International Conference on Modeling, Optimisation and Computing (ICMOC 2012) Procedia Engineering 38 (2012) 1487-1494.	Shiva Murthy G, R.J.D'Souza, Varaprasad G
2	An Efficient Discovery of Frequent Concepts	Proceedings of International Conference on Computational Intelligence and Information Technology-CIIT 2012 ,LNICST, pp 367-370	Geetha M., R.J.D'Souza

3	Comparison of parameters of Jelinski-Moranda Model with least square estimated values	3 rd International Engineering Symposium at Kumamoto University Japan	Muralidhar N.N. and Roopashri Tantri
4	An analysis of modified Newton method for nonlinear ill-posed problems	6 th International conference on "Inverse Problems: Modeling and Simulation", held during May 21-26, 2012, Antalya, Turkey.	Santhosh George
5	Projection Scheme for Newton-type iterative method for lavrentiev regularization	Springer ICECCS 2012, pp.302-310.	S. Pareth and S. George
6	Finite Dimensional Realization of a Gauss-Newton Method for a ill-posed Hammerstein type operator equations	Springer ICECCS 2012, pp.293-301	Shobha.M.E and S George
7	A local search based approximation algorithm for SMET problem in wireless sensor networks	ICDCIT 2013, LNCS 7753, pp. 398-409, February 2013.	B.S.Panda, D.Pushparaj Shetty
8	A parallel NC-algorithm for Range assignment problem in WSNs	ICDCIT 2013, LNCS 7753, pp. 137-144, February 2013.	B.K.Bhatta, D.Pushparaj Shetty
9	Solution of an equation involving series of iterates of function with general boundary condition	International Conference of FIM on Interdisciplinary Mathematics, Statistics and Computational Techniques, 15-17 December, 2012.	V. Murugan

Department of Mechanical Engineering

SI No	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Buckling Characteristics of FG-CNT Reinforced Polymer Composite Plate under Non-Uniform Thermal Load	2 nd International Conference on Advanced Manufacturing and Automation INCAMA 28 th -30 th March, 2013, Srivilliputhur, Tamilnadu, India	I. Rajkumar, P. Jeyaraj, K. Mayandi
2	Static Behavior of FG-CNT Polymer Nano Composite Plate Under Elevated Non-Uniform Temperature Fields	International Conference On DESIGN AND MANUFACTURING, IconDM July, 2013	P. Jeyaraj, I. Rajkumar
3	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.
4	Comparison of Ethanol and n-Butanol blends with Gasoline:A Computational Study	International Conference on Metallurgical, Manufacturing and Mechanical Engineering, ISBN : 978-93-81693-88-19 , Goa, 31 st March, 2013	Shashank S N, S Raviteja, Kumar G N

5	Design Sensitivity of Sprue Conduit in Plastic Injection Mould	Proceeding of International conference on Mechanical & Industrial Engineering, Bangalore, 2 June 2013, Pg1-7	MuralidharLakkanna, RavikiranKadoli, GC Mohan Kumar
6	Finite element Magneto-static analysis of magnetostrictive ($Tb_{0.3}Dy_{0.7}Fe_{1.95}$) actuator with different housing materials	Proceedings of 1 st International Conference on Functional Materials for Defence (ICFMD- 2012), DIAT Pune, May 18-20, 2012, pp. 167.	Raghavendra Joshi SubbaRao M RavikiranKadoli
7	Magnetization and Magnetostriction of a Terfenol-D actuator under AC driving conditions	Proceedings of International Conference on Emerging Trends in Engineering (ICETE- 2013), NMAM Institute of Technology, Nitte, May 15-16, 2013, pp. 135-140.	Raghavendra Joshi RavikiranKadoli
8	Entrainment studies on an Air jet with Reynolds Number of 12,060	Proceedings of International Conference on Emerging Trends in Engineering (ICETE- 2013), NMAM Institute of Technology, Nitte, May 15-16, 2013, pp. 148-152.	Pramod K JayaramThumbe GangadharanK V RavikiranKadoli
9	Effect of Length and Diameter of casting in Centrifuge Technique Process	5 th International Conference on Solidification Science and Processing (ICSSP 5), November 19-22, 2012, IIT -Bhubaneswar, India.	Kiran Aithal, Vijay Desai, Narendranath S, P G Mukunda
10	Experimental investigations on Wire-Electrical Discharge Machining of Ti50Ni47Cu3 SMA	Fourth international conference on recent advances in composite materials (ICRACM-2013) Feb 18 th -21 st , 2013	M Manjaiah, S Narendranath, S Basavarajappa
11	Study on Machinability of Ti50Ni46Cu4 Ternary SMA using Wire EDM	3 rd International Engineering Symposium (IES 2013) March 4 th -6 th , 2013	M. Manjaiah, Vasu M, S. Narendranath & Ajith G. Joshi
12	Microstructure, Hardness characterization of Al-Si FG alloy and Al-Si- SiCP FGMMC	3 rd Asian Conference on Mechanics of Functional Materials and Structures, IIT Delhi Dec 2012	Kiran Aithal Vijay Desai Narendranath S P G Mukunda
13	Effect of process parameters on centrifugally cast Al-Si FGM	TMS2013, 142 nd Annual Meeting and Exhibition, USA, Mar, 2013	Kiran Aithal Vijay Desai Narendranath S P G Mukunda
14	Improvement of Mechanical Properties of Aluminum processed by severe plastic deformation (SPD) technique.	4 th International Conference on Recent Advances in Composite Materials (ICRACM). During 18-21 Feb, 2013 at GOA.	Muralidhar Avvari, Narendranath S, Shivananda Nayaka H
15	Effect of equal channel angular pressing on microstructure and mechanical properties of Mg-3Al-1Zn ALLOY.	International Conference on Engineering Materials and Processes (ICEMAP). During 23-24 May, 2013, at Chennai.	Muralidhar Avvari, Narendranath S, Shivananda Nayaka H
16	Complete Coverage of an Initially Unknown Environment by Multiple Robots using Voronoi Partition	2 nd International Conference on Advances in Control and Optimization in Dynamical Systems, February 16-18, 2012, Bengaluru (Bangalore), India.	K.R. Guruprasad, , Z. Wilson, and P. Dasgupta
17	Multi-robot Terrain Coverage and Task Allocation For Autonomous Detection of Landmines	SPIE Defense, Security, and Sensing, Baltimore, MD, USA, April 23-27, 2012.	P. Dasgupta, A. Munoz-Melendez, K.R. Guruprasad

18	Egress: An online path planning algorithm for boundary exploration	IEEE International Conference on Robotics and Automation, May 14-18, 2012, St. Paul – Minnesota, USA, pp. 3991 – 3996.	K.R. Guruprasad and P. Dasgupta
19	Distributed Voronoi partitioning for multi-robot systems with limited range sensors	IEEE/RSJ International Conference on Robotics and Intelligent Systems, October 7-12, 2012, Vilamoura, Algarve, Portugal, pp. 3546 – 3552.	K.R. Guruprasad and P.Dasgupta
20	A Distributed Algorithm for Computation of Exact Voronoi Cell in a Multi-Robotic System	Third International Conference on Emerging Applications of Information Technology, November 30 – December 01, 2012, Kolkata, India, pp. 13-18.	K.R. Guruprasad and P.Dasgupta
21	Studies on HVOF Sprayed Coatings	Proceedings of International Conference on Challenges and Opportunities in Mechanical Engineering, Industrial Engineering and Management Studies, M.S. Ramaiah Institute of Technology, Bangalore, 2012, pp 319-329	Hanumanthlal S, Prasanna N D, Ramesh M R
22	Severe Plastic Deformation of 2 % Titanium Boride	Proceedings of International Conference on Challenges and Opportunities in Mechanical Engineering, Industrial Engineering and Management Studies, M.S. Ramaiah Institute of Technology, Bangalore, 2012, pp 428-432.	Chiranth B.P, Siddaraju C, Shobha R, Ramesh M R
23	Hot Corrosion Behavior on As-Received and HVOF Cermet Coated Ti-6Al-4V Alloy	International Symposium for Research Scholars on Metallurgy, Materials Science and Engineering, Indian Institute of Technology Madras. 2012	Jegadeeswaran N, Ramesh M R, Udayabhat K, Prakrathi S
24	Active vibration control of a smart cantilever beam at resonance: A comparison between conventional and Real Time Control	Proceedings of 12 th International Conference on Intelligent Systems Design and Applications, November, 27-29, 2012, CUSAT, Kochi.	Arun P Parameswaran, KV Gangadharan
25	Output Feedback based Real Time Active Vibration Control of a Smart Beam using LabVIEW	Proceedings of 1 st International Conference on Functional Materials for Defence (ICFMD 2012), May, 18-20, 2012, DIAT-Pune	Arun P Parameswaran, Avinash B Pai, K V Gangadharan
26	Implementation of Vibration Energy Harvesting Damper for Vehicle Suspensions	Proceedings IEEE International Conference on Energy Efficient Technologies for Sustainability, 10-12 April, 2013, Kanyakumari, Tamilnadu, (IEEE Catalog Number: CFP1375U-PRT ISBN: 978-1-4673-6147-7).	Avinash B, K.V Gangadharan
27	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 (IEEE Catalog Number: CFP1375U-PRT ISBN: 978-1-4673-6147-7).	Sriharsha Hegde, Umanath R Poojary, K.V Gangadharan

28	The Effect of Selective Catalytic Reduction System on Jatropha Methyl Ester Fuelled Four Stroke Single Cylinder Diesel Engine to Reduce NOx Emission	MNIT Jaipur, Feb 6-8, 2013, pp 58-62, Paper code IC050 B2.	P. Mohanan, Manoj Kumar A P, Nagaraj S Nayak
29	Experimental Investigation of a Single Cylinder CI Engine Achieving HCCI Mode of Combustion	MNIT Jaipur, Feb 6-8, 2013, pp 63-69, Paper code IC035 B3	P. Mohanan, Sumanlal M R, Jithin Gopinath
30	Studies on the Effect of Methanol in Cardanol Biofuel Blends on Performance and Emission of CI Engine	MNIT Jaipur, Feb 6-8, 2013, pp 70-74, Paper code IC035 B4.	P. Mohanan, Dinesha P
31	Performane and Emission Characteristics of MPFI Multicylinder Gasoline Engine using LPG with Vaporised Water Methanol Induction,	MNIT Jaipur, Feb 6-8, 2013, pp 331-336, Paper code IC074 H4.	P. Mohanan, Bhimrao Patil, Vighnesha Nayak, Shankar K S,
32	A Study on the Effect of Fatty Acid Content in Methyl Ester on Performance and Emission of CI Engine	MNIT Jaipur, Feb 6-8, 2013, pp 341-344, Paper code IC088 H6.	P. Mohanan, Dinesha P, Ashwini K, Sudesh Bekal
33	Combustion and Emission Studies of a LPG Fueled Spark Ignition Engine with Steam Induction	MNIT Jaipur, Feb 6-8, 2013, pp 86-91, Paper code IC068 B7.	P. Mohanan, Shankar K S
34	Significant Aspects on Thermal Degradation of Hybrid Biocomposite Material	International Conference on Recent Trends in Applied Physics and Material Science, RAM 2013, paper J-2002, pp 393, Feb 01-03, 2013	Saravana Bavan, G.C.MohanKumar
35	Methodology and Parametric Studies of Machinability of Carbon and Alloy Steels	3rd International Engineering Symposium IES 2013, Kumamoto University, Japan. Pp. M2-5-1, March 4-6, 2013	Rajshekhhar Lalbondre, Prasad Krishna, G.C. Mohan Kumar
36	Surface and Dimesnional Integrity studies of Micro Ploymer components Fabricated by Micristereolithography	3rd International Engineering Symposium IES 2013, Kumamoto University, Japan. Pp. M2-5-1, March 4-6, 2013	K.Raghavendra, Prasanna, Prasad Krishna, N. Balashanmugam, G.C.Mohan Kumar
37	Morphology and deformation at the interfaces of a maize hybrid fiber biocomposite material	16th International Conferene of Strength of Materials, Indian Institute of Science, Bangalore, P-159, 19-24 August 2012	Saravana Bavan D, Mohan Kumar G. C

38	Characterization and Processing of a Novel Hybrid Natural Fibre Composite Material	Kathmandu Symposia on Advanced Materials-2012 (KaSAM 2012), Nepal Polymer Institute Kathmandu, Nepal 9-12 May 2012	Saravana Bavan D, Mohan Kumar G. C
39	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
40	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
41	Performance and Emission Studies of a LPG Fueled Spark Ignition Engine with Steam Induction,	Proceedings of the 9th Asia-Pacific Conference (ASPACC-2010) on Combustion, May 19-22,2013 Gyeongju, Korea, pp 244.	P. Mohanan, Shankar K S
42	Exergy Analysis of a LPG Fuelled MPFI multicylinder engine with vaporized water methanol induction	Proceedings of the 9th Asia-Pacific Conference (ASPACC-2010) on Combustion, May 19-22,2013 Gyeongju, Korea, pp 244.	P. Mohanan, Bhimrao Patil, Aniket Kulkarni
43	Experimental Investigations on the performance and emission characteristics of single cylinder CI engine fueled with Cardanol-diesel-Methanol blends	Proceedings of the 9th Asia-Pacific Conference (ASPACC-2010) on Combustion, May 19-22,2013 Gyeongju, Korea, pp 244.	P. Mohanan, Dinesha P
44	The effect of cyclo-alkane in waste cooking oil (WCO) B20 fuel on a single cylinder DI Diesel engine	Proceedings of the 9th Asia-Pacific Conference (ASPACC-2010) on Combustion, May 19-22,2013 Gyeongju, Korea, pp 244.	P. Mohanan, George Varghese
45	The Effect of Selective Catalytic Reduction System on Jatropa Methyl Ester Fuelled Four Stroke Single Cylinder Diesel Engine to Reduce NOx Emission,	Proceedings of International Conference on Alternative fuels for IC Engines, MNIT Jaipur, Feb 6-8, 2013, pp 58-62, Paper code IC050 B2.	P. Mohanan, Manoj Kumar A P, Nagaraj S Nayak
46	Experimental Investigation of a Single Cylinder CI Engine Achieving HCCI Mode of Combustion	Proceedings of International Conference on Alternative fuels for IC Engines, MNIT Jaipur, Feb 6-8, 2013, pp 63-69, Paper code IC035 B3.	P. Mohanan, Sumanlal M R, Jithin Gopinath
47	Studies on the Effect of Methanol in Cardanol Biofuel Blends on Performance and Emission of CI Engine	Proceedings of International Conference on Alternative fuels for IC Engines, MNIT Jaipur, Feb 6-8, 2013, pp 70-74, Paper code IC035 B4.	P. Mohanan, Dinesha P
48	Performane and Emission Characteristics of MPFI Multicylinder Gasoline Engine using LPG with Vaporised Water Methanol Induction	Proceedings of International Conference on Alternative fuels for IC Engines, MNIT Jaipur, Feb 6-8, 2013, pp 331-336, Paper code IC074 H4.	P. Mohanan, Bhimrao Patil, Vighnesha Nayak, Shankar K S

49	A Study on the Effect of Fatty Acid Content in Methyl Ester on Performance and Emission of CI Engine,	Proceedings of International Conference on Alternative fuels for IC Engines, MNIT Jaipur, Feb 6-8, 2013, pp 341-344, Paper code IC088 H6.	P. Mohanan, Dinesha P, Ashwini K, Sudesh Bekal
50	Combustion and Emission Studies of a LPG Fueled Spark Ignition Engine with Steam Induction	Proceedings of International Conference on Alternative fuels for IC Engines, MNIT Jaipur, Feb 6-8, 2013, pp 86-91, Paper code IC068 B7	P. Mohanan, Shankar K S,
51	"Wireless Powered Swarm Robots",	International Conference on Emerging Trends in Manufacturing Technology (INC@mttrends), Arakkunam, September 5-6 th , 2012	Robins Mathew and Prasad Krishna
52	"Surface and Dimensional Integrity Studies of Micro Polymer Components Fabricated by Microstereolithography",	3 rd International Engineering Symposium (IES 2013), Kumamoto University, Japan, March 4-6, 2013.	Raghavendra K, Prasad Krishna and Mohan Kumar G.C
53	"Tool Wear Development in Bearing Steels by Face Turning Method"	4th International & 25th AIMTDR-2012 [All India Manufacturing Technology, Design and Research] Conference, Jadhavpur University, Kolkata, India on December 14- 16, 2012	Manjunath G. Patel and Prasad Krishna
54	"Methodological and Parametric studies for determining machinability of carbon and alloy steels",	3 rd International Engineering Symposium (IES 2013), Kumamoto University, Japan, March 4-6, 2013.	Rajshekhar Lalbondre, Prasad Krishna and Mohan Kumar G.C

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1	Assessment of Objective Based Blast Performance: Ranking System.	FRAGBLAST-10, New Delhi Nov. 2012, 24-19.	Prof. V.R. Sastry & Dr. K. Ram Chandar
2	Utilization of Iron Ore Tailings in Manufacturing of Paving Blocks for Eco-friendly Mining	International Conference on Green World in Business and Technology, Indonesia, March, 2012, 240-251.	Mangalpady Aruna,

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1	Development of Clay Based Nanofluids for Quenching	Proceedings of the 6th International Quenching and Control of Distortion Conference Including the 4th International Distortion Engineering	G. Ramesh and K.N. Prabhu

		Conference (September 9-13, 2012, Chicago, Illinois), Ed. D D.S. MacKenzie, pp 308-31	
2	Effect of Quench Probe Material and Section Size on Cooling Severity	Proceedings of the 6th International Quenching and Control of Distortion Conference Including the 4th International Distortion Engineering Conference (September 9-13, 2012, Chicago, Illinois), Ed. D D.S. MacKenzie, pp 383-393	G. Ramesh and K.N. Prabhu
3	Effect of thermal conductivity and viscosity of liquid quench medium on its cooling performance during immersion quenching	Proceedings of the 20 th Congress of IFHTSE, 23-25 October, Beijing, China, pp 453-456	G. Ramesh and K.N. Prabhu
4	Wetting behaviour of water based Al nanofluids during immersion quenching	Proceedings of the 20 th Congress of IFHTSE, 23-25 October, Beijing, China, pp 401-404.	G. Ramesh and K.N. Prabhu
5	Intermetallic Titanium – Aluminium Thin Films Preparation By Oblique Angle Unbalanced Magnetron Sputtering	3rd Asian Symposium on Materials & Processing (ASMP 2012), IIT Madras, Chennai, 30-31, August 2012, SETC24	Sudheendra P., A. O. Surendranathan, N. K. Udayashankar, and K.S. Choudhari
6	Corrosion behaviour of 316L Weldments in Marine Water	III-Asian symp. on Metals Processing, IIT Chennai, 30-31 August 2012	Kripa, Udupa K. R., Surendranathan A. O.
7	Aluminising of mild steel plates using Al-11Si-1.2Cu baths	3 rd International engineering Symposium (IES 2013), Kumamoto Univ, Japan during March 4-6, 2013, pp M-1-3-1 to M-1-3-6	Prashant H, Jithin J and Udaya Bhat K
8	Hot-dip aluminizing of low carbon steel using Al-7Si-2Cu alloy	International symposium for research scholars 2012 (ISRS 2012), IIT Madras during Dec 13-15, 2012	Prashant Huilgol and K. Udaya Bhat
9	Hot Corrosion Behavior on As-Received and HVOF Stellite 6 Coated on Turbine Application Alloys	International symposium for research scholars 2012 (ISRS 2012), IIT Madras during Dec 13-15, 2012	N Jegadeeswaran, M R Ramesh, K Udaya Bhat, S Prakrathi
10	Wear and Mechanical properties of Jatropha seed cake particulate/epoxy composites	Third international conference on 'natural polymers, bio-polymers, bio materials, their composites, blends, IPNs, polyelectrolytes and gels: Macro to Nanoscales', MG University, Kottayam, India during 26-28 th October 2012	B Shivamurthy, Krishna murthy, Peter C Joseph, Kabir Rishi, K Udaya Bhat, S. Anandhan
11	A study on laser shock processing of 316 stainless steel weldments	11 th international conference on high nitrogen steels, Chennai, India during Sept 27-29, 2012.	Rajkumar Y., Vikas S., Ankush Nayak, Neeta Magaji, Umesh G., Udupa K.R., Ramesh Kumar B., Udaya Bhat K

12	Preparation of Al-Ni composite and its creep behaviour'	The third Asian Symposium on materials and processing, ASMP 2012, IIT Chennai, India, during Aug 30-31, 2012. Page : 30-31	S., Vijay Kumar K., Udupa K.R., Rafi H.K., Phanikumar G., UdayaBhat K.,
13	Preparation of iron-aluminum composite using friction stir processing	International conference on X-rays and related techniques in Research and Industry 2012, Univer of Sains Malaysia, during 3-5 July, 2012, Paper MC91,page : 77-78.	Prakruthi S. Udupa K.R. and Udaya Bhat K
14	Electrospinning of Poly(styrene-co-acrylonitrile)	First Indo-US conference on Polymers for Packaging Applications, India, March 2012 (Invited paper).	T. Senthil, and S. Anandhan
15	Wear and Mechanical properties of Jatropha seed cake particulate/Epoxy Composites	Third International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2012), India, October 2012 (Invited paper).	B. Shivamurthy, Krishna Murthy, P. C. Joseph, K. Rishi, K. Udaya Bhat, and S. Anandhan
16	Ethylene-octene copolymer/ball milled Fly Ash Composites	Third International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2012), India, October 2012 (Invited paper).	Akshata G. Patil, S. Anandhan,
17	Electrospinning of Styrene-acrylonitrile Random Copolymer from N,N-dimethyl formamide: Process Optimization by Multiple Regression Analysis	Third International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2012), India, October 2012 (Invited paper).	T. Senthil, and S. Anandhan,
18	Fabrication of Ultrafine Polybenzimidazole Nanofibers by Electrospinning for High Temperature Applications'	Third International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2012), India, October 2012 (Invited paper).	G. George, K. Ponprapakaran, T. Senthil, and S. Anandhan,
19	Electrospun Styrene-Acrylonitrile Copolymer Nanofiber Mats for Filtration Applications: Process Optimization by Taguchi Method	International Conference on Rubber and Rubber like Materials (ICRRM – 2013), India, March 2013.	T. Senthil, and S. Anandhan,

20	Cobalt Oxide Nanofibers Through Electrospinning	International Conference on Rubber and Rubber like Materials (ICRRM – 2013), India, March 2013.	G. George, and S. Anandhan,
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Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Properties of undoped and Bi doped ZnO thin films prepared by Spray Pyrolysis technique.	International Conference on “Recent advances in materials science,” (RAMS 2012) held at Hotel Atria, Bangalore during 6 th to 8 th November 2012	Sadananda kumar N., Kasturi V. Bangera, G.K. Shivakumar
2.	Nanostructured Al doped zinc oxide thin films prepared by spray pyrolysis technique.	International Symposium for research scholars (ISRS 2012) on “Metallurgy, materials science and Engineering,” held at IIT Madras, Chennai during 13 th to 15 th December 2012	Sadananda kumar N., Kasturi V. Bangera, G.K. Shivakumar
3.	Effect of annealing on the properties of Sb doped zinc oxide thin films grown by spray pyrolysis.	International conference on Optoelectronic materials and Thin film Applications Technology (OMTAT 2013)” held at Hotel Riviera Suites, Cochin during 3 rd to 5 th January 2013.	Sadananda kumar N., Kasturi V. Bangera, G.K. Shivakumar
4.	“Blue light emitting naphthalimides for organic light emitting diodes”, Indian Institute of Technology, Bombay, Mumbai, India	AIP Conf. Proc. 1512, pp. 1300-1301; doi: http://dx.doi.org/10.1063/1.4791530 (2 pages) as a part of SOLID STATE PHYSICS: PROCEEDINGS OF THE 57TH DAE SOLID STATE PHYSICS SYMPOSIUM 2012, 3–7 December 2012	Hidayath Ulla, B. Garudachar, M. N. Satyanarayan, G. Umesh and A. M. Isloor
5.	, “Blue light emitting materials for organic light emitting diodes – Experimental and Simulation Study”,	International Conference on Optical Engineering (ICOE) 2012, DOI 10.1109/ICOE.2012.6409561, Publication Year: 2012 , Page(s): 1 – 4\	Hidayath Ulla, B. Garudachar, M. N. Satyanarayan, G. Umesh and A. M. Isloor

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1.	Reflection studies on horizontal interlaced multi-layer moored floating pipe breakwater (HIMMFPB) with three layers of PVC pipes	National conference on CCERP at MIT, Manipal. Karnataka. India. 20-21, April, 2012	Maltesh V H. and Arkal Vittal Hegde
2.	Oil spill trajectory atlas for west coast of India using GNOME	National conference on CCERP at MIT, Manipal. Karnataka. India. 20-21, April, 2012	Remyalakshmi R. and Arkal Vittal Hegde
3.	Modelling of reflection coefficient of two side perforated semicircular breakwater	HYDRO-2012, IITB, Mumbai, India, 7-8, December, 2012	Ankit Aggarwal, Vivek kumar Gope, Shivaraj S.M, and Arkal Vittal Hegde
4.	Reflection and Loss Characteristics of Quartercircle and Semicircular Submerged Breakwaters	HYDRO-2012, IITB, Mumbai, India 7-8, December, 2012	Yogesh K R, Ravikiran L and Arkal Vittal Hegde
5.	Transmission characteristics of submerged structures – Quarter-circle breakwaters	HYDRO-2012, IITB, Mumbai, India, 7-8, December, 2012	Arkal Vittal Hegde
6.	Stability of breakwater defenced by seaward submerged reef of concrete cube armour	National Conference on Contemporary Civil Engineering & Practice – CCERP 2012 held at MIT, Manipal, during 20-21 April, 2012, pp 1441-1450	Manu, Kiran G Shirlal and Subba Rao
7.	Performance characteristics of berm breakwater with concrete cube as armour units	National Conference on Contemporary Civil Engineering & Practice – CCERP 2012 held at MIT, Manipal, during 20-21 April, 2012, pp 1458-1471	Subba Rao, Prashanth J and Mithun Shetty
8.	Reshaped berm breakwater with artificial armour units – Studies on wave run-up and run-down	National Conference on Hydraulics and Water Resources - HYDRO-12 held at IIT, Bombay during 7 to 8 December, 2012, pp 1589-1596.	Prashanth J, Subba Rao, Kiran G. Shirlal, Geetha Kuntoji and Balakrishna Rao K.
9.	An experimental study on stability of concrete cube armoured tandem breakwater	National Conference on Hydraulics and Water Resources - HYDRO-12 held at IIT, Bombay during 7 to 8 December, 2012, pp 1525-1534	Manu, Kiran G. Shirlal and Subba Rao
10.	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

11.	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
12.	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
13.	Physical modeling of submerged inclined serrated Rough plate breakwater	Proceedings of National Conference on Hydraulics and Water Resources - HYDRO -2012, Dec 7-8, Dec, 2012, IIT Bombay, pp 1565-1572	Kiran G. Shirlal and Nagaraja M
14.	Temporal variability of field measured infiltration rates on vegetative covers in NITK campus	Contemporary Civi Engineering Research and Practices, MIT-Manipal, April 2012	Rishinanadan and Dr. K Varija
15.	Integrated waterbalance model for four selected river basins in Kerala	Contemporary Civi Engineering Research and Practices, MIT-Manipal, April 2012	Shaheen S. B.M and Dr.K .Varija
16.	On the development of pedotrasfer functions for estimating the soil water retension curve	Contemporary Civi Engineering Research and Practices, MIT-Manipal, April 2012	Shwetha P and Dr. K. Varija
17.	Comparison of rainfall analysis using two methods for storm drainage design-a case study	Contemporary Civi Engineering Research and Practices, MIT-Manipal, April 2012	Seethal V and Dr. K. Varija
18.	Estimation of soil water retention curve for forested hill slope s	Hydro 2012, IIT, Bombay, India, December 2012	Shwetha P and Dr. K. Varija
19.	Analysis of Monsoon onset Trend and Extreme Rainfall events over Nethravathi Basin	Proc. of National conferences on water resources and coastal engineering, HYDRO-2012, IIT, Bombay, 6-8, December 2012. India. Selected for ISH Journal, published by Taylor and Francis	Santosh B.F., and Ramesh, H.
20.	Salinity mapping of Puducherry regional aquifer by chemical parameter ration method	Proc. of National conferences on water resources and coastal engineering, HYDRO-2012, IIT, Bombay, 6-8, December 2012. India	Sylus. K. J. And Ramesh, H.

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1	Structural Health Assessment Using Artificial Neural Network: An Overview	A3C-12 : AWARDS, CONVENTION & CONSULTANTS COLLOQUIUM, organized by the Association of Consulting Civil Engineers (I), Mangalore Centre, Mangalore, January 11-12, 2013, pp. 277-285.	Bhavana Patel S S, Venkataramana K and Babu Narayan K S

2	Seismic design of support structure	International Conference on Advances in Architecture and Civil Engineering (AARCV 2012), held at MSRIT, Bangalore, during June 21-23, 2012, Vol.1, pp.250-253	Srujana N, Ramesh Babu R and Venkataramana K
3	Accelerated test of concrete beams in coastal environment	International Conference on Advances in Architecture and Civil Engineering (AARCV 2012), held at MSRIT, Bangalore, during June 21-23, 2012, Vol.1, pp.35-39.	Poornachand pandit, Akshatha Shetty, Mahesha, Shivaprasad Naik, Venkataramana K, Babunarayan K S, Gogoi I and Chinnagiri Gowda
4	Development of Magnetorheological Fluid For Making Seismic Dampers	<i>Proc. of National Conference on Contemporary Civil Engineering Research & Practices (CCERP-2012)</i> , held at MIT, Manipal (India) during April 20-21, 2012, pp.664-674.	Tamizharasi G, Ajit Kamath Manohar, Kaustav Sengupta, Venkataramana K and Umesh G
5	Effect of Corrosion on Bond Strength of RC Members	National Conference on Contemporary Civil Engineering Research & Practices (CCERP-2012), held at MIT, Manipal (India) during April 20-21, 2012, pp.683-690.	Shetty A, Venkataramana K, Gogoi I
6	Geotechnical characteristics of lithomargic clay blended with marine clay as landfill liner material	Proceedings of World Conference on Applied Sciences and Engineering Technology, Vijayawada, Andhra Pradesh, India, August, 2012.	A.K. Prabhu, Sunil B.M., and Nayak Sitaram
7	Compatible Technology for Disposal and Utilization of Solid Waste	Proc. of National Colloquium A3C – 12 : January 11-12, 2013, Mangalore, India.	Sunil B.M. and S. Shrihari,
8	Geotechnical Engineering Practices - through Case Studies	Proc. of National Colloquium A3C – 12 : January 11-12, 2013, Mangalore, India.	Shivashankar R., Sitaram Nayak and Sunil B.M
9	“Effect of Thickness of Foundation on Annular Raft Moments of Tall RC Chimneys Including Soil-Structure Interaction”	National Conference on Contemporary Civil Engineering Research and Practice – CCERP 2012, April 20-21, MIT Manipal (presented by the first author)	Ansu Thomas, Sujisha, C., Jisha, S.V., Jayalekshmi, B.R. and Shivashankar, R.
10	“Dynamic Soil-Structure Interaction Effects in Tall Reinforced Concrete Industrial Chimneys”	National Conference on Contemporary Civil Engineering Research and Practice – CCERP 2012, April 20-21, MIT Manipal (presented by the first author)	Jisha, S.V., Jayalekshmi, B.R. and Shivashankar, R.
11	“Geosynthetics for Ground Improvement and Stability of Slopes”,	Two day workshop on ‘Application of Optimization Techniques for Slope Stability Analysis and Recent Methods for Stabilization of Slopes, NMAMIT Nitte, 30-31 July 2012	Shivashankar, R., Jayalekshmi, B.R., Sitaram Nayak and Ravi Shankar, A.U.
12	“Contact Pressure Distribution under Raft Foundation of Tall Reinforced Concrete Industrial Chimneys due to Dynamic Soil-Structure Interaction”	ISET Golden Jubilee Symposium, October 20-21, 2012, IIT Roorkee, Paper No. C003, pg.69 in volume of abstracts (presented by the third author)	Jayalekshmi, B.R., Shivashankar, R. and Jisha, S.V.

13	“Geotechnical Practices in Coastal Karnataka”,	Invited Lecture GEO PRACTICE-2012, National seminar, organized by the Indian Geotechnical Society, Hyderabad Chapter, JNTUH, Nov. 10, 2012.	Shivashankar, R.
14	“Effect of Thickness of Foundation on Annular Raft Moments of Tall RC Chimneys Including Soil-Structure Interaction”	National Conference on Contemporary Civil Engineering Research and Practice – CCERP 2012, April 20-21, MIT Manipal.	Ansu Thomas, Sujisha, C., Jisha, S.V., Jayalekshmi, B.R. and Shivashankar, R.
15	“Performance enhancement of RCC continuous beams with inclusion of synthetic fibers – an experimental investigation”,	Association of Consulting Civil Engineers (I), Awards, Convention and Consultants Colloquium (A3C12), 11th and 12th January 2013, T V Raman Pai Convention Centre, Mangalore.	K S Babu Narayan and Subhash C. Yaragal,
16	“Colorimetry as a simple tool for assessment of fire damaged concrete”,	National Conference on Contemporary Civil Engineering Research and Practices – CCERP, April 20-21, 2012, MIT Manipal.	Kishor S Kulkarni, Subhash C. Yaragal and K S Babu Narayan,
17	“Dynamic Soil-Structure–Interaction Effects in Tall Reinforced Concrete Industrial Chimneys,”	<i>National Conference on Contemporary Civil Engineering Research and Practices (CCERP 2012)</i> , April 20-21, M.I.T, Manipal	Jisha, S. V., Jayalekshmi, B. R., and Shivashankar, R.
18	“Effect of Thickness of Foundation on Annular Raft Moments of Tall RC Chimneys Including Soil Structure Interaction,”	<i>National Conference on Contemporary Civil Engineering Research and Practices (CCERP 2012)</i> , April 20-21, M.I.T, Manipal	Ansu Thomas., Sujisha, C., Jisha, S.V., Jayalekshmi, B.R.,

Department of Chemical Engineering

Sl. No.	Title of Paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Isolation and Characterization of <i>Photorhabdus luminescens</i> and mass production of nematode <i>Heterorhabditis indica</i>	Pollution prevention through development of Bio based material and energy, NIT Jaipur, Feb 22-23, 2013, Page No. 25	S. Bhatnagar and Prasanna B.D
2	Photocatalytic degradation of azo dye using core-shell Ag@TiO ₂ nanoparticles	Advances in polymers and coatings, ICT Mumbai, 16th February 2013	Sowmya S.R*, Ankita Khanna, Vidya Shetty K.
3	Presented a paper on “Biosynthesis of silver nanoparticles using <i>Cocos nucifera</i> husk extract’ in Bovision 2013”	National Symposium held at Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala on Feb 4 th 2013.	Sumi Maria Babu, Aishwarya Devadiga, Dr. Vidya Shetty K.
4	Photocatalytic degradation of azo dye using core-shell Ag@TiO ₂ nanoparticles	Advances in polymers and coatings, ICT Mumbai, 16th February 2013	Sowmya S.R*, Ankita Khanna, Vidya Shetty K.
5	Solar photocatalytic efficacy of Ag@TiO ₂ core - shell nanoparticles for the degradation of dye	Chemference-2012, IIT and ICT Mumbai, 10-11 December 2012, 25	Ankita Khanna and Vidya Shetty K

Department of Chemistry

Sl. No.	Title of paper	Conference Name, Place, Dates, Page No.s	Author(s)
1	New imidazo[1,2-a]pyridine derivatives: Synthesis and antiepileptic studies.	International Conference on Recent Advances in Material Science and Technology (ICRAMST-13), National Institute of Technology Karnataka, Surathkal, Mangalore, India, January 17-19, 2013.	Shrikanth Ulloora, Ramakrishna Shabaraya, Airody Vasudeva Adhikari
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 (ICRAMST-13), National Institute of Technology Karnataka, Surathkal, Mangalore, India, January 17-19, 2013.	Ahipa T.N, Vijith kumar, Doddamane S. Shankar Rao, Subbarao Krishnaprasad and Airody Vasudeava Adhikar
3	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,
4	Electrofabrication of Nanostructured multilayer coatings for better corrosion protection,	Int. Conf. on 'Macro and Supramolecular architectures and materials: Special Theme: Nano Systems and Applications (MAM-2012) held at Coimbatore during 21-25 th November, 2012.	Vaishaka R.Rao and A. Chitharanjan Hegde,
5	Effect of glycerol and gelatin on electrodeposition of Zn-Ni alloy on mild steel	Interdisciplinary symposium on Materials chemistry (ISMC-2012)' held at BARC, Mumbai during 11-15 th December, 2012.	Vaishaka R. Rao and A. Chitharanjan Hegde
6	Cadmium catalyzed electrodeposition of Zn-Ni coating,	Fifth ISEAC Triennial International Conference on Advances and Recent Trends in Electrochemistry (ELAC-2013) to be held at Hyderabad during 16-20 th January, 2013.	Vaishaka R. Rao and A. Chitharanjan Hegde
7	Electrocatalytic and corrosion behavior of electrodeposited Fe-Ni alloy coatings	Indo-US- ECM-2013 Workshop on ELECTROCATALYTIC MATERIALS for fuel and biofuel cells held at Department of Chemistry, Banaras Hindu University, Varanasi during Feb. 26-28, 2013.	Yathish Ullal and A. Chitharanjan Hegde*, presented in
8	Effect of magnetic field on electrodeposition of Zn-Ni alloy	Indo-US- ECM-2013 Workshop on ELECTROCATALYTIC MATERIALS for fuel and biofuel cells held at Department of Chemistry, Banaras Hindu University, Varanasi during Feb. 26-28, 2013.	Vaishaka R. Rao and A. Chitharanjan Hegde*

9	Efficient Ni(II)-complex catalyzed homo-coupling of aryl Grignard reagents in greener reaction	International conference on recent advances in material science & technology (ICRAMST – 13), NITK Surathkal, 17-19 January, 2013.	Aparna P I and Badekai Ramachandra Bhat
10	TiO ₂ nano films on multi walled carbon nanotubes composite electrode for supercapacitor	International conference on recent advances in material science & technology (ICRAMST – 13), NITK Surathkal, 17-19 January, 2013	Aravinda L. S, Badekai Ramachandra Bhat and Udaya Bhat K
11	Metal hydroxide on magnetite as a magnetically separable heterogeneous catalyst for liquid-phase oxidations	International conference on recent advances in material science & technology (ICRAMST – 13), NITK Surathkal, 17-19 January, 2013	Pooja B Bhat and B. Ramachandra Bhat
12	Synthesis, characterization and non linear optical property of 3,4-diaminobenzophenone schiff base complexes of Co(II), Ni(II) and Zn(II) .	International conference on recent advances in material science & technology (ICRAMST – 13), NITK Surathkal, 17-19 January, 2013.	Sampath Kumar H.C. and B. Ramachandra Bhat
13	Preparation and characterization of PPEES/chitosan composite nanofiltration membrane	ICNP 2012, Kottayam, 26-28 th Oct 2012, 174.	SeemaShenvi, Suraya Rashid, Ahmad F. Ismail and Arun M. Isloor.
14	Performance improvement of polysulfone ultrafiltration using N-succinyl chitosan as additive	ICNP 2012, Kottayam, 26-28 th Oct 2012, 175	Rajesh Kumar A and Arun M. Isloor
15	Hyperbranched donor-acceptor conjugated polymer containing thiophene and triphenylamine units: synthesis, characterization and electroluminescent properties.	International conference on 'Polymers on the frontiers of science and technology' (APA 2013), Panjab University, Chandigarh, India, February 21-23, 2013.	Prashanth Kumar K.R and Udayakumar D.
16	Synthesis, characterization and anticancer studies of some indole-triazole based molecules.	International Conference on Recent Advances in Material science and Technology (ICRAMST 2013), NITK, Surathkal, 17-19 January, 2013.	Naveen P and Udayakumar D.
17	Colorimetric Receptor For The Detection of F ⁻ Ions and Its Solvatochromic Effect	New Age Science and Technology for Sustainable Development, NEERI, Nagpur, 6-7 Aug-2012	Madhuprasad, Swathi. N and Dr. Darshak R. Trivedi

Department of Electronics and Communication Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Pull-in analysis of RF MEMS shunt capacitive switches	Proc. of National Conference on Advanced Technologies in Electrical and Electronic Systems (ATEES2012), Belgaum, 17-18 Feb, 2012.	E. S.Shajahan M. S. Bhat
2.	Ultra Low Power 6-bit Flash ADC using 0.5V supply in 180nm CMOS Technology	Proc. of National Conference on Advanced Technologies in Electrical and Electronic Systems (ATEES2012), Belgaum, 17-18 Feb, 2012.	Rajeev Komar M S Bhat Tonse Laxminidhi,

Department of Humanities, Social Sciences and Management

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Antecedents of brand equity in the FMCG industry'	12 th International Consortium of Students in Management Research (COSMAR'12) at Indian Institute of Science, Bangalore 16 th - 17 th November 2012.	Bijuna C. Mohan, Sequeira A.H.
2	Exploring the interlink ages between brand equity and operational performance of business in the FMCG industry'	National Conference on Emerging Dimensions in Marketing organised jointly by Saintgits Institute of Management and Annamalai University on 22- 23 rd November 2012.	Bijuna C. Mohan, Sequeira A.H.
3	Health financing mechanisms in India: An appraisal of its performance	Tatva, 9(2), 1-11	Savitha, Kiran K.B.
4	Impact of Micro Health Insurance on Treatment Seeking Behaviour: Evidence from Karnataka, Brig. Rajiv Divekar and B. R. Londhe, eds.	Inclusiveness and Innovation – Challenges for Sustainable Growth of Emerging Economies, Symbiosis Institute of Management Studies, Pune	Savitha, Kiran K.B.
5	Dynamics of Language in Relation to Gender Disparity: A Critical Analysis of Select Writing of Sarah Aboobacker	National Conference on English Language and Literature, 14-15 December, 2012	Ambika G. Mallya, Shashikantha K.
6	Progress of Human Development Among SAARC countries	National Seminar on Economic Environment of Business, Arunamanharlal Shah Institute of Management and Research, Mumbai, Conference Volume, 6 October 2012	Gopalakrishna B.V.
7	Assessing the relationship between participating in decision making and organizational citizenship behavior: Mediating role of organizational commitment.	(HR Summit) High-Tech people, High-Touch HR: Are we missing the human touch ?, Indian Institute of Management Kozhikode (IIMK), February 8-10, 2013, 41-56	Vijai N. Giri, Pavan Kumar S.
8	Tracing Eco Concerns in Travel Narratives of Dalrymple	Literature and the Environment, Dept. of English, Sanskrit University, Kalady, Kerala, 25-27 March 2013	Dhishna P.

Department of Mechanical Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Study of enhanced boiling heat transfer using extended surfaces for applications in cooling of electronic devices	National Conference on Electronic Design Assembly and Reliability 2012” organized by IPC India on Dec 5 th & 6 th 2012 at the J N Tata Auditorium, IISC campus Bangalore.	Krishnan V, Sathyabhama A
2	Design Sensitivity of Sprue Bush in Plastic Injection Mould	Emerging trends in materials, manufacturing and design, Sivakasi, 7-8May 2013.	MuralidharLakkanna RavikiranKadoli G C Mohan Kumar
3	Finite element Magneto-static analysis of magnetostrictive (Tb _{0.3} Dy _{0.7} Fe _{1.95}) actuator	Proceeding of National Conference on Magnetic Materials & Applications (MagMA 2012), IIT Madras, Chennai, March 12-13, 2012, pp. 36.	Raghavendra Joshi SubbaRao M RavikiranKadoli
4	Optimal use of Magnetostrictive material (Tb _{0.3} Dy _{0.7} Fe _{1.95}) in actuator applications	Proceeding of 3 rd National Conference on Emerging Trends in Materials for Advanced Technology (NETMAT, 2012), KVG College of Engineering, Sullia, Dakshina Kannada Dist., Karnataka, India. March 20-21, 2012, pp.28.	Raghavendra Joshi SubbaRao M RavikiranKadoli
5	Studies on the role of HVOF sprayed carbide coatings to combat erosion of boiler tube steels	National conference on development and opportunities in civil Engineering, Applied Sciences and Mechanical Engineering, East west Institute of Technology, Bangalore, 2012, pp 38.	Balakrishna, Ramesh M R
6	Design and analysis of an array of rare-earth magnets using FEMM for testing magneto-sensitive Smart materials	3rd National conference on Emerging Trends in Materials for Advanced Technology (NETMAT) 20th-21st March 2012, KVGCE, Sullia	SriharshaHegde, KatariKiran, K.V Gangadharan
7	“Sensitivity Analysis Using Trained BP ANN & Fuzzy Optimum Design for Validation of ANN Model for the Plastic Injection Molding Process”,	Proceedings of 4 th & 25 th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012), Kolkata, December-2012, 14-16, pp-70,	Manjunath G. Patel and Prasad Krishna

Department of Mining Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Recent developments in tunnel boring machine	Geomine Tech Symposium on New Equipment-New Technology Management and Safety in Mining and Mineral Based Industries, Bhubaneswar, 11-12th May, 121-123	Murthy, Ch. S. N., Raja, S.
2	Mapping of Structural Discontinuity Using a SIROVISION- a Case Study	Present Technology and Safety Scenario in Mining & Allied Industries, BHU, Varanasi, 25-27 Febraury, 2013, 57-65.	Murthy, Ch. S. N., Sastry, V. R. and Raja, S.,
3	Controlled blasting for an U/G metro rail project in urban environment.	Geotechnical Challenges in Infrastructural Projects, 25-26 April, 2013.	Prof. V.R.Sastry., Dr.K.Ram Chandar

Department of Physics

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Study of the indium oxide doped zinc oxide thin films prepared by thermal evaporation technique.	Presented in National Conference of Condensed Matter Physics and Application-2012 held at Manipal Institute of Technology, Manipal during 27-28 December 2012.	Sowmya Palimar, Kasturi V. Bangera, G.K. Shivakumar
2.	Nanoindentation and electrochemical studies on pulsed laser deposited ceramic coatings on Ti6Al4V substrate	National conference on smart materials and technologies for emerging electronic, MITE, Moodbidri, March 8-9,2013, page no 45	Sujaya.C and Dr. H.D. Shashikala
3.	Oxidation Resistance and Microhardness of Ti6Al4V alloy by Thermal Treatment Method	National conference on smart materials and technologies for emerging electronic, MITE, Moodbidri, March 8-9,2013, page no 45	Amudha.A, Chowdareddy.N Dr.H.D.Shashikala
4.	Synthesis of Ternary Barium Phosphate Glass	National conference on smart materials and technologies for emerging electronic, MITE, Moodbidri, March 8-9,2013, page no 44	Vivek Acharya, Manojkumar.N, G.Venkateshwara Rao & Dr. H.D Shashikala
5.	Intermetallic titanium-aluminium thin films preparation by oblique angle unbalanced magnetron sputtering	Proceedings of 3rd Asian Symposium on Materials and Processing 2012 (ASMP-2012, August)	Sudheendra P. A O Surendranathan, N K Udayashankar, K S Choudhari
6.	titanium-aluminium Intermetallic thin films preparation by DC sputtering and their characterization	Proceedings of International Conference on Advance materials-2012 (ICAM – 2012, December)	Sudheendra P. A O Surendranathan, N K Udayashankar, K S Choudhari

14.0 TECHNICAL EVENTS

STTPs/Schools/Conferences/Seminars/Workshops, etc

Department of Applied Mechanics and Hydraulics

Type of event	Name of event	Dates & Duration	Sponsor (s)	Co-ordinator
Workshop	Conservation of Water Resources of West Flowing Rivers of Coastal Karnataka	14 th –15 th December, 2012	ISRO, Bangalore	S.G.Mayya, Ph.D. A. Mahesha, Ph.D. and M.K.Nagaraj, Ph.D.
Workshop	Geoinformatics For Natural Resource Management	30 – 31, January 2013	NITK, Surathkal & Karnataka Science and Technology Academy, Bangalore	Amba Shetty, Ph.D.

Foreign Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
Manefred Koch, Ph.D.	Professor, University of Kassel, Germany	Interaction and given Guest Lecture	08.03.13 & 13.03.13

Indian Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
M.S.Mohan Kumar, Ph.D.	Professor, IISc., Bangalore	Interaction with faculty and students	26.07.2012
J.Dattatri, Ph.D.	Retd. Professor, NITK and Coastal Engg. Consultant, Bangalore	Interaction and given guest lecture	19.11.2012 & 20.11.2012
S.K.Mishra, Ph.D.	Professor, Dept. of Water Resources Development & Management, IIT Roorkee	Interaction and given guest lecture	11.01.2013
K. Subrahmanya, Ph.D.	Professor, IIT Kanpur	Interaction and given guest lecture	04.02.2013

Department of Chemical Engg.

Workshop conducted:-

Type of event	Title of the course	Dates & Duration	Sponsor(s)	Co-ordinator(s)
Workshop RTMCAAP-2012	Recent Trends In Monitoring, Control And Abatement Of Air Pollution	26 th to 28 th December, 2012	TEQIP	Dr. Raj Mohan B. and Dr. P.E. Jagadeesh Bbu

Visit of Foreign visitors & Experts to the Department

Sl.N o.	Name of the Visitors	Designation & Affiliation	Purpose of visit	Dates of Visit
1	Olexii Dugan, Ph.D. Larysa Oriabinska, Ph.D. and Liudmyla Khrokalo, Ph.D.	Dean, National Technical University of Ukraine "Kiev Polytechnic Institute", Ukraine	To pursue International collaborative research project funded by State Agency on Science, Innovations and Information of Ukraine & Department of Science and Technology (DST) Government of India,	19 th -23 rd Nov. 2012

Department of Civil Engg.

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
National Workshop	Disaster Management of Floods and the Environmental Consequences thereof in Coastal Regions and Food & Water Security	04-05 th Feb 2013	Dr. B.Manu, Ph.D. Dr.Arun Kumar T, Ph.D.	Institution of Engineers (India), Mangalore Local Centre.

Visits of Experts/Foreign Dignitaries to the Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Shuichi Torii, Ph.D.	Professor, Kumamoto University, Japan	Academic Collaboration	March 14-15, 2013
P. Goverdhen, Ph.D.	Head, Reactor Shielding Section, Reactor Safety Division, BARC, Mumbai	Review of the BRNS-funded Research Project on Hydrogen Loaded Concrete	Feb 2013
Paloma Pineda, Ph.D.	Vice-Dean of International relations University of Seville, Spain	Academic Collaboration	Feb16-19, 2013

Taizo Nishiyama, Ph.D. Mr. Hidenori Yoshikane	Professional Engineers representing M/s NIPPO Corporation and M/s Yachiyo Engineering Co. Ltd., Japan.	Technical Interaction in the field of Road Engineering.	December 21, 2012
Bhanumathi Das, Ph.D.	Director General. Institute for Solid Waste Research and Ecological Balance, Hyderabad	Expert Lectures on (i). Role of Supplementary Cementitious Materials for Durability of Concrete (ii)Chemical Admixtures for Advanced Concrete Tech.	Nov 1-2, 2012
T Yamaguchi, Ph.D. and six research scholars.	Professor, Kagoshima University, Japan	Academic Collaboration	October 27-31, 2012
G.R.Reddy, Ph.D.	Scientist Grade- , & Professor,Homi Bhabha Technological Institute, BARC,Mumbai	Review of the BRNS-funded Research Project on Effect of Corrosion on Residual Capacity of RCC Beams and Beam-column Joints in Coastal Environment & Expert Lectures on Earthquake Resistant Design	Oct 30, 2012
C.S.Viswanatha, Ph.D.	Chairman, Task force on Quality Assurance in Public Construction, GOK	Technical Seminar Talk on Civil Engineering Marvels of Recent Times	Sept 25,2012
Pradeep Kumar Ramancharla, Ph.D.	Professor, Indian Institute of Information Tech., Hyderabad	Expert Lectures on Earthquake Resistant Design of Structures to Post-Graduate students. Coordinator: Dr.K.Venkataramana	Feb 2012

Department of Computer Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Three days workshop	“Simulation of Wired and Wireless Networks (SWN-2012)”	20 th -22 th June 2012	--	K. C. Shet, Ph.D. Mr. B. R. Chandavarkar
2-Week ISTE workshop	“Introduction to Research Methodologies”	25 th June - 04 th July 2012	IIT Bombay	P. SanthiThilagam, Ph.D. Mr. MahendraPratap Singh

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Three days workshop	"Cloud Computing and Internet of Things"	23 rd -25 th July 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.
A Keynote lecture	"Cloud Computing: The Next Revolution in Information Technology", by Prof. Rajkumar Buyya , Director, Cloud Computing and Distributed Systems (CLOUDS) Lab, Dept. of CS and SE, The University of Melbourne, Australia	23 rd July 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.
A Keynote lecture	"Enterprise Cloud Security -Threats and Opportunities", by Dr. Niranjan Hanasoge , formerly with Google	24 th July 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.
A Keynote lecture	"Big Data Challenges and Energy Management in Cloud Data Centers". Dr. P. Radha Krishna , Infosys Labs, Infosys Limited, Hyderabad	24 th July 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.
A Keynote lecture	"Cloud Computing", Dr. V. Vijaya Kumar , Dean Computer Sciences, Head Srinivasa Ramanujan Research Forum (SRRF), Godavari Institute of Engineering and Technology, Rajahmundry A.P.	24 th July 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.
A Keynote lecture	"Cloud meets Big Data", Dr. Ramesh Narasimhan , EMC, Bangalore	24 th July 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.
A Keynote lecture	"Introduction to Cloud Computing and Cloud Security", Mr. Satish Sundar , Application Architect, IBM Software Group, Security Systems	24 th July 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.
A Special lecture	"Predictive Parsing - the top-down approach" by Prof. Uma Bhattacharya , Professor, Computer Science and Technology, Bengal Engineering and Science University	17 th September 2012	--	Annappa, Ph.D.
A Special lecture	"Mathematical Models and Genetic Algorithms for Inventory Optimization in	21 st September 2012	--	Annappa, Ph.D.

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
	Supply Chains”, by Prof. Dr.C.Rajendran, Dept. of Management Studies, IIT Madras			
Three days International Symposium	“Cloud and Services Computing 2012 (ISCOS 2012)”	16 th -18 th December 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.
An Expert lecture	“CYBER SECURITY”, by Prof. S.V Raghavan, Scientific Secretary, Office of Principal Scientific Adviser to the Government of India	15 th January 2013	--	Annappa, Ph.D. Alwyn Roshan Pais, Ph.D.
A Special lecture	“Synthesis for Low Power: A new VLSI design paradigm for DSM” by Prof. Dr. Ajit Pal Department of CSE, IIT - Kharagpur	18 th March 2013	--	K.C Shet, Ph.D. Annappa, Ph.D.
A Keynote lecture	“Cryptographic Solutions for Cloud Security” by Dr. Udaya Parampalli, Dept. of Computing & Info. Systems, University of Melbourne, Australia.	16 th -18 th December 2012	NITK-Surathkal	K. Chandrasekaran, Ph.D.

Foreign Visitors to Department: NIL

- Prof. Rajkumar Buyya, Ph.D. Director, Cloud Computing and Distributed Systems (CLOUDS) Lab, Dept. of Computer Science and Software Engineering The University of Melbourne, Australia, delivered a Keynote lecture on Cloud Computing: The Next Revolution in Information Technology”, on 23rd July 2012.
- Dr. Udaya Parampalli, Ph.D. Dept. of Computing & Info. Systems, University of Melbourne, Australia delivered a keynote lecture on " Cryptographic Solutions for Cloud Security" in Three days International Symposium during 16-18 December 2012.

Department of Chemistry

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
International Conference	Internat. Conferen. on Recent Advances in Material Science and Technology	17 th -19 th January 2013	NITK, DRDO, SHELL technologies, Sequent scientific, Jubilant biosys	Arun M. Isloor, Ph.D. and DarshakTrivedi, Ph.D.

Foreign Visitors to Department: 07

Sl.No.	Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
1.	Ahmad Fauziismail, Ph.D.	Dean for Research, UniversitiTeknologi Malaysia	Invitee of ICRAMST-13	16-01-2013 to 20-01-2013
2.	Abdul Latif, Ph.D.	Dean for Reseach, Chemical Engg Dept., UniversitiSainsMalaysia	Invitee of ICRAMST-13	16-01-2013 to 20-01-2013
3.	Jose Rajan, Ph.D.	Professor, Industrial & Enginnering faculty, Universiti Malaysia Pahang	Invitee of ICRAMST-13	16-01-2013 to 20-01-2013
4.	LathaNatarajan, Ph.D.	Senior Scientist, US Army research, USA	Invitee of ICRAMST-13	18-01-2013 to 19-01-2013
5.	Lachezar Komitov, Ph.D.	University of Gothenburgad of Liquid Crystal division, SWEDAN	Invitee of ICRAMST-13	16-01-2013 to 20-01-2013
6.	V. Devaraj, Ph.D.	Senior Scientist, Malaysian Rubber board	Invitee of ICRAMST-13	16-01-2013 to 20-01-2013
7.	Gurumurthy Hegde, Ph.D.	Faculty of Industrial & Engineering, Universiti Malaysia Pahang	Invitee of ICRAMST-13	16-01-2013 to 20-01-2013

Department of Electronics And Communication Engineering

Technical Events organizedSTTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Cypress Programmable Systems on Chip	26 th July 2012	Cypress Semiconductor s	Aparna P., Ph.D.
	Academic PCB designing	6 th October 2012	NITK	Mr. B. Bharath, Ph.D. Ms. Lakshmi P, Ph.D.
	iSense WSN n/w design Kits	November 2012	Nihon Commn. Solutions	N S V Shet, Ph.D. M.Kulkarni, Ph.D.
	NETSIM software	5 th & 6 th January 2013	Tetcos, Bangalore	N S V Shet, Ph.D. M.Kulkarni, Ph.D.
	Embedded Systems development	12 th & 13 th April 2013	TEQIP	Aparna P., Ph.D. Ramesh Kini, Ph.D.

Department Of Electrical & Electronics Engineering
STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Renewable energy sources and Control	20 th to 21 st December 2012	NITK, CSIR	Debashisha Jena, Ph.D. Dr.D.N.Gaonkar, Ph.D. Mr. Girish Navada

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof.A.K.Bhat	Professor, Department of Electrical and computer Engineering, Victoria University, Canada	Guest Lecture on Electrical Drives	15 Dec ,2012

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	Management of Human Resources in a Technology Driven Economy	2 Days (8-9 March 2013)		Shashikantha K., Ph.D. Pavan Kumar S., Ph.D.

Summer University 2013

As part of MOU with HEIG-VD, School of Business and Engineering, University of Applied Sciences, Western Switzerland; 'Summer University 2013' was organized at NITK on Business Engineering and Intercultural communication from 18 February to 27 February 2013. Dr. Shashikantha K. coordinated the programme.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof. Laurence Larghi	Swiss Professor, School of Business and Engineering, HEIG-VD, Switzerland	Faculty and Student Exchange programme	18 November to 23 November 2012
Prof. Laurence Larghi Prof. Bernard Collet Prof. Eytan Zysman	Swiss Professors, School of Business and Engineering, HEIG-VD, Switzerland	Summer University on Business Engineering and Intercultural communication	18 February to 27 February 2013

Department of Information Technology
STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Cloud Computing and Internet of Things	23-25 July, 2012 Three Days	MHRD, Govt of India	G. Ram Mohana Reddy, Ph.D. K. Chandra Sekaran, Ph.D. Muralidhar Kulkarni, Ph.D.

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	Workshop on Spectral Analysis and Applications	14-16 February 2013.	NBHM, NITK	Sam Johnson, Ph.D. and V Murugan, Ph.D.
Talk by Prof. B.S. Panda, IIT Delhi.	Griggs and Yeh's Conjecture on L(2,1)-Labeling of Graphs	24th of January, 2013	NITK	N. N. Murulidhar, Ph.D.
Talk by Prof. T. Sengadir from Central University of Tamil Nadu	Applications of Differential Equations in Various Fields of Engineering	2nd and 3rd of December 2012.	NITK	Sam Johnson, Ph.D.
Talk by Dr. K. Manjunatha Prasad, Professor in Mathematics, MIT University	Rank Condition for Solvability of Linear System over a Commutative Ring	23rd of October 2012	NITK	Sam Johnson, Ph.D.

Department Of Mechanical Engineering
STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Three day workshop	Cutting Edge Technologies For Diesel Engines	20-22, March, 2013	TEQIP, and other industries	Kumar G.N, Ph.D. Mr Veershetty G
Short Term Training Programme On	Fracture Mechanics & Fatigue	10-14 AUGUST 2011	AICTE/MHRD	S.M.Murigendrappa, Ph.D. and G.C.Mohan Kumar, Ph.D.
Short Term Training Programme On	Advances In Manufacturing And Precision Engineering	20-24 JUNE 2011	AICTE/MHRD	G.C.Mohan Kumar And Prasad Krishna, Ph.D.

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 programe	28-2-1012
Jean Bernord Mickle	Professor School of Business and Engineering, Vaud Switzerland	MS and R&D exchange programe	28-2-1012

Department Of Mining Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Certificate Course in Mine Surveying	28 th May to 23 rd June, 2012 (27days)	Mining Industries	Ch. S. N Murthy, Ph.D.
Workshop	Certificate Course in Mine Surveying	1 st - 27 th October, 2012 (27days)	Mining Industries	Ch. S. N Murthy, Ph.D.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Bharath Kumar Belle, Ph.D.	Mining Engineer, Anglo-American Company, South Africa	Guest Lecture	09-01-2013

Department Of Metallurgical & Materials Engineering

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

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Departmental Curriculum Workshop 2012	12-05-12, 9 a.m. to 5 p.m.	NITK	A. O. Surendranathan, Ph.D.

Department Of Physics

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

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Frontiers in Astronomy	1-3 February 2013	Indian Academy of Sciences, Bangalore	H. S. Nagaraja, Ph.D. & Ajith KM, Ph.D.
Workshop	Quantum Mechanics &	March 22-24, 2013 (3 days)	NITK Surathkal	M.N. Satyanarayan Ajith K.M.

	Applications			
Seminar	Science Day Celebrations	February 28, 2013	NITK Surathkal	M.N. Satyanarayan, Ph.D.
Workshop	Workshop on Experimental Physics for High school teachers	19 th January 2013	Block Resource Center, Mangalore	H.D. Shashikala, Ph.D. N.K.Udayashankar, Ph.D.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Dr. Mahesh KK	University of Lisbon, CENIMAT	Special lecture	

CONSULTANCY PROJECTS

Department of Applied Mechanics And Hydraulics

Name of consultancy job	Client	Name of investigators (s)	Consultancy amount (Rs. In Lakhs)
Rural water supply for 11 villages of Mangalore Tq with vented dam across Gurupur river at Malavoor village	D.K.Panchayathraj Engineering, Mangalroe	S.G.Mayya, Ph.D. A.Mahesha, Ph.D. N.Lakshman, Ph.D. M.K.Nagaraj, Ph.D. Subba Rao, Ph.D. Manu, Ph.D.	28 Crores
Comments on preliminary report of EIA of the project titled construction of groynes for river protection near 36' BB HT pipeline across mindrla river crossing	Yojaka (India) Pvt. Ltd, Abco Trade Centre, Mangalore	M.K.Nagaraj, Ph.D.	0.05
Demarcation of submersion area upto FRL level	Asst. Commissioner, Puttur	S.G.Mayya, Ph.D.	0.25
Comprehensive study regarding under ground water streams in MSEZL graded plots	MSEZL, Mangalore	S.G.Mayya, Ph.D. A.Mahesha, Ph.D.	5.0
Comprehensive study for drainage system for MSEZL land during 2012 monsoon	MSEZL, Mangalore	S.G.Mayya, Ph.D. & A.Mahesha, Ph.D.	3.50
Preparing elevation storage volume table/graph for AMR & Jubribettu barrage across netravathi river near Bantwal	MSEZL, Mangalore	S.G.Mayya, Ph.D.	7.50
Collection of water samples at 11 locations in NMPT area and submitting the quality test report	NMPT Panambur	M.K.Nagaraj, Ph.D. & Srihari, Ph.D.	2.45
Comprehensive study for effect of river water level during flood condition due to strengthening of river bank of Gurupur river on Panambur side	MSEZL, Mangalore	S.G.Mayya, Ph.D. A.Mahesha, Ph.D.	9.50

Technical opinion on the effect of construction of open well under river bed on near by road bridge at Koikude, Siddapura village, Kundapura Tq	Panchayathraj Engineering Division, Udupi	M.K.Nagaraj, Ph.D. & A. Mahesha, Ph.D.	0.09
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Department of Chemical Engineering

Name of Consultancy	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Water quality, Air quality, Noise level and DG Stack Emission	M/s. New Mangalore Port Trust, Mangalore	HOD with all faculty	Jan.2012 to Dec. 2012	12,05,667.00
Air quality, Noise level and Water quality	M/s. Petronet MHB Ltd, Mangalore	HOD with all faculty	Once in a year	17127.00
Air quality and DG Stack Emission	M/s. Manipal Power Press, Manipal	HOD with all faculty	Once in a year	33337.00
Air quality, Stack Emission and Water quality	M/s. United Toyota, Mangalore	HOD with all faculty	Quarterly in a year	21726.00
Water Sample	M/s. Karnataka Power Corporation, Shimoga	HOD with all faculty	Once in a year	15852.00
Air Quality , DG Stack Emission and Noise level	M/s. Air Port Authority of India, Mangalore	HOD with all faculty	Once in a year	25,953.00
Air quality and DG Stack Emission	M/s. Eswari Metal Industries, Mangalore	HOD with all faculty	Jan. 2012 to Dec. 2012	69396.00

Department of Civil Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Structural Designs for Proposed Academic Blocks at University Campus, Kushal Nagar, Mangalore University	Mangalore University	K.S.Babu Narayan, Ph.D.	2011-12	
Third Party Proof-Checking of Number of Structural Designs of Bridges & Transmission Line Towers	MRPL, MESCOM	Er.M.H.Prashanth, and M.C.Narasimhan, Ph.D.	2012-13	Rs. 75,000/-
Detailed Investigations for various Geo-technical Engg related problems of large number of multi-	Different Clients	R.Shivashankar, Ph.D. Sitaram Nayak, Ph.D. B.M.Sunil, Ph.D.	2012-13	Rs. 7,00,000/-

storied buildings in and around Mangalore					
Concrete Mix- Designs and Bituminous Mix- Designs	Different Clients	A.U.Ravishankar, Ph.D. S.C.Yaragal, Ph.D. M.C.Narasimhan, Ph.D. Er.M.H.Prashanth	2012-13		Rs. 2,00,000/-
Scrutiny and Proof-check of design proposals for PMGSY Roads – State Technical Advisor (Nodal Agency)	PMGSY Divisions of different Districts of Karnataka	A.U.Ravishankar, Ph.D. Sitaram Nayak, Ph.D.	2012-13		
Design of Septic tanks, Leaching Pits and other types of sewage treatment units for local fishing industrial units and multi-storey buildings	Different Clients	S.Shrihari, Ph.D. B. Manu, Ph.D.	2012-13		Total Value Approx. 75,000/-

Department of Electronics And Communication Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Technical Consultancy for current note sorting machine	Syndicate Bank	U Sripati, Ph.D. & T Laxminidhi, Ph.D.	September 2012	5, 62,980.00
Technical Consultancy for current note sorting machine	Corporation Bank	T Laxminidhi, Ph.D. & U Sripati, Ph.D.	November 2012	3,89,327.00

Department of Mining Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Rock Dredging Project at Mumbai Port Area	M/s. Jaisu Shipping Co.Ltd Ground Floor,Balard Estate , Mumbai, 400038	V. R.Sastry, Ph.D.	April 2012 – February 2013	6,17,980=00
Controlled Blasting at Gajanur Dam Site.	M/s Mysore Construction co. Ltd. Gajnur Dam Site SHIMOGA	V. R. Sastry, Ph.D.	April 2012	33,708=00

Consultancy project on Controlled Blasting Methodology	Bangalore Metro Railway Corporation LTD. K.H.Road,Shanthi , Nagar,Bangalore-560027	V. R. Sastry, Ph.D. And .K.Ram Chandar, Ph.D.	On going	25,95,660=00
Verification f Depth of virgin ground towards the Southern side of Lease No 2566	M/s. Sri Laxminarasimha Mining Co.Ltd.Sneha Apartments, No.555, 17 th Cross,V th main, New BEL Road,Bangalore-560094.	Harsha Vardhan, Ph.D. & M. Aruna, Ph.D.	April 2012	2,24,750=00
Scientific Study of Slope stability at Tollem Mine,Goa	M/s. Raghuvir Sinai Gharase, Near Municipality,PO Box No 204,Margoa,Goa, india-403601	Dr.Harsha, Ph.D. Vardhan & M. Aruna, Ph.D.	April - October 2012	2,80,900=00
Blast vibration studies at Vanchithanatha metal mine	M/s.Vanchithanatha Metal Crusher Unit,Kunthalampura Kattappana	V. R. Sastry, Ph.D.	May 2012	66,672=00
Assessment of Blast Vibrations on Surrounding Structures	M/s. Tata Development Project, Banashankari, ,Bangalore.	V. R.Sastry, Ph.D.	June 2012	1,68,540=00
Rock Testing of Samples obtained from ISPRL Padoor site and its assessment.	M/s. NIG & RICH Infotech ,Pvt.Ltd. Surathkal	M Aruna, Ph.D. And Harsha Vardhan, Ph.D.	June 2012	30,068=00
Scientific Study on use of "SME Explosive at JK-5 block of O.C, Yellnad	The Chief General Manager (R&D) Singareni Collieries Co.Ltd. Kothagudem-507101 A.P	V. R.Sastry, Ph.D. and K.Ram Chandar, Ph.D.	June – August 2012	5,49,328=00
Scientific study of Slope Stability at Iron Ore Mine	M/s. Samruddha Resources Ltd. 6 th Floor, 'A' Block, Shivsagar Estate, Worle, Mumba-400018	M Aruna, Ph.D. And Harsha Vardhan, Ph.D.	June- August 2012	2,80,900=00
Mine Lease Survey	M/s Doddanavar Brothers Pvt. Ltd Heremagi Ramthal and H.S Aihole Iron ore Mine Bagalkote	M Aruna, Ph.D. And Harsha Vardhan, Ph.D.	August- October 2012	57,383=00
Mine Lease Boundary Survey	Department of Mines and Geology, Govt.of Karnataka Bangalore.	M.Aruna, Ph.D. And Harsha Vardhan, Ph.D.	April 2012 – March 2013	2,28,23,391=00

Study of Blasting Operations,	Vice President (Mines) Ultratech Cements,Ltd. Mines, Tadipatri, A.P	V. R. Sastry, Ph.D.	August 2012	2,52,810=00
Blast Vibration Studies	Sri P.K Jallel, Managing partner M/s.Best Granites Kadangodu Thippillisery(po) Thrissur-680519	V.R.Sastry, Ph.D.	August 2012	84,270=00
Controlled Blasting Methodology.	M/s. Rashtriya Ispat Nigam Ltd Madharam,Dolonite Mine,VSP, Madaram,AP	V.R.Sastry, Ph.D.	August – September 2012	1,68,540=00
Blast Vibration Studies	Cochin Blue Metal Industries Ltd. 1/69, Ramapuram, Methiri P.O Kottayam-686576	V.R.Sastry, Ph.D.	August 2012	84,270=00
Assessment of Blast Vibrating on Shaft lining of GDK-10 Incline Man Winding Shaft	The CGM(R&D) Singareni Collieries Co.Ltd Kotthegudem-5017101	V.R Sastry, Ph.D. & K Ram Chandar, Ph.D.	August 2012	1,09,551=00
Study of Blast Vibration	M/s. Mallelil Pvt.Ltd. Konni thazham Village Pattanamthitta District, Kerala	V.R Sastry, Ph.D.	September 2012	84,270=00
Ground of Study Vibrations	M/s. Vijaya stone works & crushers C.D.B. Associates Kouthamarana halli, Gulur Hobli Tumkur-Tq& Dist	V.R.Sastry, Ph.D.	October 2012	89888=00
Scientific study on ANFO	M/s. Edathadan Granites P.O Mattathur Ombathu ngal Kodakara, Trissur-680684	V.R.Sastry, Ph.D.	October 2012	84270=00
Ground vibration Studies in lime stonemine at Sree Jaya Jyothi (cements) Ltd.	M/s. Sree jayajyothi cements Ltd. "KRD Gee Gee Cristal", 7 th Floor, 91, & 92, Dr.Radhakrishnan salai Myalpure, Chennai-600004.	V.R.Sastry, Ph.D.	December 2012	1,68,540=0
Ground vibration study at the Stone Quarrey of Five Star Metal (p) Ltd., Pallakkkad	M/s. Five Stars Metal (P) Ltd. XII- 450, Chamminnikadu, Pallavur Post Palakkad Dist.-678688	V.R.Sastry, Ph.D.	January 2013	84270=00
Ground Vibration Survey in	Nelson D'souza ,Quarry Owner Ammunje Village, Bhantwal Tq	V.R.Sastry, Ph.D.	February 2013	56180=00

Stone Quarry				
Ground vibration study at Kalloorkkad Building stone Granite quarry, Ernakulam	M/S. Raju Chaco Adukuzhiyil (H), South Mandya P.O Mavahupuzha, Ernakulam (Dt0 Kerala Pin,- 686673	V.R.Sastry, Ph.D.	March 2013	73,034=00
Trial Blasting Studies.	M/s. Chattupara Granites SY.No. 734/1B-16, Kollarkad Village Nagapuzha po Mavahupuzha Tq. Kerala Pin-686668	V.R.Sastry, Ph.D.	March 2013	73,034=00
Controlled Blasting Methodology	Bangalore Metro Railway Corporation LTD. K.H.Road,Shanthi Nagar,Bangalore-560027	V.R.Sastry, Ph.D.	Ongoing	2,00,000=00

Dept. Mechanical Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Technical Supervision, Scrutinisation and certifying the work of Installation of cold storage unit at Mangalore	The Managing Director, Karnataka Fisheries Development corporation Limited, Hoige Bazar, Mangalore – 575 001	T.P. Ashok Babu, Ph.D.	2012-13	2,66,151

15.0 HUMAN RESOURCE DEVELOPMENT

15.1 TRAINING STATUS

Department of Civil Engineering

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Suresha S. N.	Use of Science and Data in Road Safety Management	Indian Institute of Technology Madras	February 15-16, 2013.

Department of Electronics & Communication Engineering

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Mrs. Kalpana G. Bhat	Low power design challenges and EDA tool (Electric) training	IISc Bangalore	27 th & 28 th July 2012

Department of Mining Engineering

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Ch. S. N. Murthy, Ph.D.	Professional Development Programme	Engineering Staff College of India, Hyderabad	27 th -29 th December 2012, 3 days

Department of Mechanical Engineering

Total no of faculty and staff trained during the period of report	9
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Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Shivananda Nayaka H	Research Interaction	Indian Institute of Technology Roorkee, Roorkee	18, Febraury, 2013 to 15, March, 2013
K.V.Gangadhaan, Ph.D.	Seminar cum Interaction	Indian Institute of Technology Madras, Chennai	26 March 2013
Chakradhar D, Ph.D.	Workshop	CMTI, Bangalore	21-23, Jan, 2013

PLACEMENT OF STAFF FOR ACADEMIC EXCELLENCE

Department Of Civil Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Katta Venkataramana, Ph.D.	Co-organizer, International Engineering Symposium (IES-2013) Kumamoto University, Japan PhD Theses reviewer of Manipal University, Kuvempu University, Bangalore University.
R.Shivashankar, Ph.D.	Subject Expert, NBA Accreditation Teams to different Colleges
M.C.Narasimhan, Ph.D.	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
A.U.Ravishankar, Ph.D.	Member, Road Safety and Design Committee (H-7) of the Indian Road Congress, New Delhi Was conferred the felicitation as, EMINENT ENGINEER , by the Association of Consulting Civil Engineers (I) , Mangalore Centre and Madras Cements Ltd. during their Engineers Day Celebrations, Sept 2012. 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, Ph.D.	Editor-in-Chief, International Journal of Earth Sciences and Engineering, CAFET-INNOVA Technical Society, Hyderabad.
S.Shrihari, Ph.D.	President Institution of Engineers (I), Mangalore Local Centre.
K.S.Babu Narayan, Ph.D.	PhD Theses reviewer of Vishveshvariah Technological University, Belagav, Kuvempu University, Shivamogga
Subhash C.Yaragal, Ph.D.	Member, Editorial Board, International Journal of Structural Fire Engineering The prestigious Sathish Dhawan Award for the year 2011-12. The award is conferred by the Government of Karanataka for the contributions in the area of Science and Technology and carries a cash award of Rs.50,000/ and a plaque
K.S.Babu Narayan, Ph.D. A.U.Ravishankar, Ph.D. M.C.Narasimhan, Ph.D. Katta Venkataramana, Ph.D. Subhash C.Yaragal, Ph.D. A.U.Ravishankar, Ph.D. K.Swaminathan, Ph.D.	Referees for reviewing the research papers submitted to International Journal of Earth Sciences and Engineering
B.R.Jayalekshmi, Ph.D.	Reviewer for NPTEL Video course on Advanced Structural Analysis, IITMadras
Suresha S. N., Ph.D.	Elected as a Member of American Society of Civil Engineers. Reviewer for ASTM-Journal of Testing and Evaluation. Reviewer for ASCE-Journal of Materials in Civil Engineering.

Department Of Chemical Engineering

Mr. Jitendra S. Pal jointed Ph.D. programme under QIP at IIT, New Delhi

Department of Computer Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Swapan Bhattacharya, Ph.D.	❖ Prof. Swapan Bhattacharya, the esteemed Director of NITK Surathkal is honoured with The ET NOW National Education Leadership Award.
Annappa, Ph.D.	<p>❖ Contributed, "Absolute C++" Walter Savitch, Kenrick Mock, Annappa, Pearson International Edition, 5th Edition, 2012.</p> <p><u>Program Committee Member:</u></p> <ul style="list-style-type: none"> • Annual International Conference on Emerging Research Areas : International Conference on Microelectronics, Communications and Renewable Energy - AICERA 2013-ICMiCR, 04 Jun - 06 Jun 2013, Kerala • Second International Conference on Computer Science, Engineering and Applications (ICCSEA-2012) May 25~27, 2012. Delhi • 7th India Software Engineering Conference - ISEC 2014 <p><u>Technical Session Chair</u></p> <ul style="list-style-type: none"> • 3rd IEEE International Advance Computing Conference (IACC-2013), February 22-23, 2013 Ghaziabad (UP)-201009, India <p><u>Reviewer</u></p> <ul style="list-style-type: none"> • 2012 IEEE International Conference on Control System, Computing and Engineering-ICCSCE2012, November 23-25, Penang, Malaysia • The Sixth International Workshop on Network Security & Applications (CNSA-2013), July 13 - 15, 2013, Chennai, India. • 2013 IEEE Symposium on Business, Engineering and Industrial Applications-ISBEIA 2013, September 22-25, 2013, Kuching, Malaysia • 2013 IEEE Symposium on Industrial Electronics & Applications-ISIEA-2013, September 22 - 25, 2013, Kuching, Malaysia
P. Santhi Thilagam, Ph.D.	<p><u>Program Committee member</u></p> <ul style="list-style-type: none"> • International Conference on Emerging Technology Trends (ICETT-2012) on Advanced Engineering Research, Feb 20-21, 2012 - Session Chair. • The third International Conference on Computational Science, Engineering and Information Technology (CCSEIT-2013), KTO Karatay University, June07-07, 2013, Konya, Turkey. • The Fifth International Conference on Wireless & Mobile Network (WiMo 2013) - June 07-09-2013. • National Conference on Modern Trends in Advanced Computing (MTAC 2013), Goa, May 17-18, 2013.

Department of Electronics And Communication Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Sumam David S, Ph.D.	Fulbright Professional Development Award – Participated in Fulbright Nehru International Education Administrators Seminar, October- November,2012
Sumam David S, Ph.D.	Attended IEEE International Conference on Industrial Technology (ICIT2013), Cape Town, February 25-27, 2013.
Sumam David S, Ph.D.	Attended NBA Seminar, KIIT University, Bhubaneswar, 19 May 2012
Sumam David S, Ph.D.	Attended National Workshop on Modern Embedded Computing, Intel, 21- 23 August 2012
M.Kulkarni, Ph.D.	Attended the 9th IEEE International Conference on Wireless & Optical Communications Networks (WOCN 2012) at Indore in October,2012
M.Kulkarni, Ph.D.	Visited LEOS, ISRO, Bangalore for review/discussions on the FSO project in September,2012
M. S. Bhat, Ph.D.	Attended IEEE international conference on Semiconductor Electronics sponsored by IEEE Electron Devices Society. Kuala Lumpur, Malaysia during 19-21 September, 2012.
M. S. Bhat, Ph.D.	Attended International Engineering Symposium (IES-2013), Kumamoto University, Japan 4 - 6 March, 2013.
Ramesh Kini M, Ph.D.	Faculty Development Programme, Signal Processing Architecture with microcontroller features Address generation unit for DSP, 4 th August 2012, NMAMIT, Nitte
N S V Shet, Ph.D.	Judging EXPO 2012- Final year project exhibition at NMAMIT, Nitte on 5 th April 2012.
N S V Shet, Ph.D.	Judging of paper presentation (SAMBRHAM 2013) competition at Sri Devi Institute of Technology Bajpe, Mangalore on 21 st March 2013.
Aparna P, Ph.D.	Attended International Engineering Symposium (IES-2013), Kumamoto University, Japan 4 - 6 March, 2013.
Mrs. Kalpana G. Bhat	Attended International Engineering Symposium (IES-2013), Kumamoto University, Japan 4 - 6 March, 2013.

Department of Humanities, Social Sciences& Management

Name of Staff/Faculty	Assignment/Recognition/Award
Bijuna C.Mohan	Received the ABP News National B –School Award 2012, for Best Professor Teaching Advertising Management.
D’Souza Sunil, Ph.D. Sequeira A.H., Ph.D.	Anveshana – 2012, Research Paper Contest Award for the year 2012, PEST, Bangalore

Department of Information Technology

Name of Staff/Faculty	Assignment/Recognition/Award
Ananthanarayana V S, Ph.D.	Nominated as BOS(ISE) member of Basaveshwar Engineering College, Bagalkot by Visvesvaraya Technological University, Belgaum from 01/08/2012 to 30/07/2014.
	Nominated as Chief Information Security Officer (CISO) of NITK for interacting with CERT-in on 19/10/2012.
	Programme Committee Member for 28 th ACM Symposium on Applied

	Computing – SAC 2013: Track on Cloud Computing, March 18 – 22, 2013, Coimbra, Portugal.
	Delivered invited talk on “Research Directions in Dynamic Data Mining” on National Conference on Advanced Computing and Communications (NCACC’ 12), April 27-28, 2012 at Dept. of PG Studies in Computer Science (Decennial Celebrations 2002 – 2012), Kuvempu University.
	One of the Invited speakers for National Workshop on Computer Applications based on Modern Algebra, 3- 5 January 2013, MIT Manipal.
	Participated in workshop on Outcome based Accreditation by NBA New Dehi at NMAMIT, Nitte on 25 th November 2012.

Department Of Mining Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
K. Ram Chandar, Ph.D.	Member of Editorial Board, Geomaterials, An International Journal published by Scientific Research Publishing from USA.
K. Ram Chandar, Ph.D.	Member of Project Review and Supervisory Group of the Project - Development of e-content for slope engineering to IIT-BHU (Appointed by MHRD)

Department Of Mechanical Engineering

Name of the staff/faculty	Assignment/Recognition/Award
K.V.Gangadharan, Ph.D.	BOS member for Reva Institute of Technology and Management, Bangalore
Ravikiran Kadoli, Ph.D.	BOS member for Reva Institute of Technology and Management, Bangalore
G.C.Mohan Kumar, Ph.D.	Delivered expert lecture in 25 th Anniversary Institute of Materials, Kula Lumpur, Malaysia
Ravikiran Kadoli, Ph.D.	Delivered expert lecture at Alva’s Institute of Engineering and Technology, Moodabidri on 02/04/2013
Narendranath S., Ph.D.	BOS member for Siddaganga Institute of Technology, Tumkur; UVCE, Bangalore University, Bangalore and Dr. Ambedkar Institute of Technology, Bangalore
Prasad Krishna, Ph.D.	Board Member of University QA International Board, Knowledge and Human Development Authority, Govt. of Dubai Member, BOS, MCE, Hassan Member, All India Machine Tools Testing Forum, CMTI, Bangalore

Department of Metallurgical And Materials Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
K. Narayan Prabhu, Ph.D.	Member of International Committee of ASM Sixth International Quenching and Control of Distortion Conference, including the 4 th International Distortion Engineering Conference, Chicago, IL, 10-13, September 2012.
	Reviewer for ASM Volume 4A Handbook, Steel Heat Treating Fundamentals and Processes, 2013
	Reviewer for International Journals – Metallurgical & Materials Transactions B

	<p>Materials Design Surface & Coatings Technology Experimental Heat Transfer Journal of Materials Processing Technology International Journal of Heat and Mass Transfer Journal of Alloys and Compounds Journal of Materials Science Solder and Surface Mount Technology International Journal of Heat and Fluid Flow Materials Science and Engineering A Langmuir Journal of Materials Engineering Performance</p> <p>Editorial Board Member: Conference Papers in Materials Science, Hindawi Publishing Corporation, USA Editorial Board Member: Materials Performance and Characterization, ASTM International, USA</p> <p>Editorial Board Member: International Heat Treatment and Surface Engineering, Maney Publishers, UK</p>
<p>A. O. Surendranathan, Ph.D.</p>	<p>Nominated as one of thousand Great Minds of the 21st Century by American Biographical Institute, Inc.</p> <p>Selected by American Biographical Institute to be a recipient of the SIR ISAAC NEWTON SCIENTIFIC AWARD OF EXCELLENCE FOR 2012</p> <p>Recipient of The International Biographical Centre CAMBRIDGE CERTIFICATE for Outstanding Educational Achievement</p> <p>Nominated for membership in the American Chemical Society for the year 2012</p> <p>Selected for the prestigious "National Education Leadership Award" of the Economic Growth Society of India, New Delhi</p> <p>Selected for "GLOBAL ACHIEVERS DEVELOPMENT AWARD" FOR DESIZING EXCELLENCE of the Economic Growth Society of India, New Delhi</p> <p>Selected for "Golden Beam of India Award" in the field of Education Excellence by the Economic Growth Society of India (EGSI), Delhi</p>
<p>Anandhan Srinivasan, Ph.D.</p>	<p>Editorial board membership, Journal of Research Updates in Polymer Science, Life science Global, USA.</p> <p>Editorial board membership, International Journal of Energy Engineering, the World Academic Publishing Co. Ltd., Hong Kong.</p> <p>Editorial board membership, International Journal of Science, Engineering and Technology, India.</p> <p>Invited reviewer for the following International Journals:</p> <ul style="list-style-type: none"> • Composites Part A: Applied Science and Manufacturing • Journal of Applied Polymer Science • Journal of Colloid and Interface Science • Journal of Nanoscience and Nanotechnology • Journal of Reinforced Plastics and Composites • Polymer Composites • Sadhana (Academy Proceedings in Engineering Sciences) <p>International scientific advisory committee member for International Composites Conference ACUN-6, Monash University, Australia, November 2012.</p>

16.0 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.

16.2 Highlights

The year 2012-13 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) 180 Companies visited NITK Surathkal for Campus Recruitments.
- 2) 40 Companies participated in the Placement process for the first time.
- 3) 835 students were placed - 642 B.Techs, 109 M.Techs, 80 MCAs, M.Sc 03, and 01 MBAs.

PLACEMENT DETAILS 2012-13 :

SL. NO.	NAME OF THE COMPANY	STUDENTS PLACED	PAY PACKAGE (Rs. in lakhs p.a.)	
			UG	PG
1	MICROSOFT, HYD	10	16	16
2	BAJAJ AUTO, PUNE	5	7	-
3	TEXAS INSTRUMENTS, B'LORE	10	10.15	11.25
4	BROADCOM, B'LORE	6	10.15	11.18
5	D E SHAW, HYD	3	16.5	17.8
6	TATA TECH, PUNE	17	4.5	4.5
7	ADOBE SYSTEMS, B'LORE	3	14.2	14.5
8	CATERPILLAR, CHENNAI	2	7.19	-

9	FLIPKART, B'LORE	0	10.5	10.5
10	ROBERT BOSCH, B'LORE	13	4.75	5
11	TATA HOUSING, MUMBAI	3	4	-
12	MORGAN STANLEY, MUMBAI	3	11.3	11.8
13	GOLDMAN SACHS, B'LORE	13	11	-
14	INTUIT, B'LORE	5	10	-
15	NVIDIA, B'LORE	2	9.02	10.29
16	ZYNGA, B'LORE	5	10	-
17	AKAMAI TECH, B'LORE	3	8.04	-
18	IBM-GBS, B'LORE	76	3.4	3.75
19	GOOGLE INDIA, B'LORE	0	20.37	21.35
20	ORACLE INDIA, B'LORE	35	8.5	8.5
21	MARUTI SUZUKI	3	5.4	-
22	FUTURES FIRST, B'LORE	4	8.5	-
23	NETAPP, B'LORE	4	6.88	7.66
24	DELOITTE, HYD	23	6.27	6.27
25	N.I.R&D, B'LORE	5	8.12	9
26	PEPSICO, B'LORE	2	6	-
27	PAYPAL, CHENNAI	3	10.81	-
28	MCAFFEE, B'LORE	4	7.93	8.82
29	CISCO SYSTEMS, B'LORE	21	8.45	10.33
30	3M INDIA, B'LORE	4	7.18	-
31	YAHOO !, B'LORE	2	13.9	15.07
32	COSMIC CIRCUITS, B'LORE	2	7.25	8.25
33	HONEYWELL, B'LORE	2	-	5
34	ITTIAM SYSTEMS, B'LORE	3	6.75	7.25
35	INFIBEAM, B'LORE	4	7.25	-
36	ZS ASSOCIATES, PUNE	12	7.46	-
37	HSBC, B'LORE	10	6.5	-
38	S&P CAPITAL IQ, HYD	0	7.2	7.2
39	QUALCOMM, B'LORE	5	10.75	11.4
40	BRAVOLUCY, HYD	1	9	9
41	EPIC, USA	0	57.66	60.49
42	INDIAN NAVY, B'LORE	*	6.5	-
43	SANDISK, B'LORE	0	8.22	9.57
44	S J C, MUMBAI	3	3.06	-

45	SANDVINE, B'LORE	2	9	9
46	CYPRESS SEMICONDUCTOR, B'LORE	6	8.56	9.51
47	CAPILLARY TECH, B'LORE	4	6	-
48	MU SIGMA, B'LORE	7	4.5	-
49	ARTOO IT, B'LORE	1	8	-
50	CREDIT SUISSE, B'LORE	10	10	10
51	ATOP TECH, B'LORE	2	8.25	8.75
52	CAVIUM NETWORKS, B'LORE	1	5.4	5.4
53	C-DOT, B'LORE	5	8	8
54	SABRE HOLDINGS, B'LORE	5	6	6
55	HARMAN INTERNATIONAL, B'LORE	9	6	-
56	LG SOFT, B'LORE	16	4.5	4.8
57	HEADSTRONG, B'LORE	4	4	4
58	TCS, B'LORE	71	3.16	3.31
59	GLOBAL DELIGHT, UDUPI	0	3.5	4
60	TATA MOTORS, MUMBAI	10	6.16	-
61	WIPRO TECH, B'LORE	7	7	-
62	SAANKHYA LABS, B'LORE	2	3	4
63	LEXITY R&D, B'LORE	0	10	12
64	AKS SOFTWARE, NOIDA	0	5.52	-
65	UTC AEROSPACE, B'LORE	1	4.25	4.5
66	ARM EMBEDDED, B'LORE	2	10.5	-
67	HONDA 2 WHEELERS, NOIDA	4	4.9	-
68	SAPIENT, NOIDA	3	4.5	-
69	NTT DATA, B'LORE	2	5	5
70	VERIZON DATA, CHENNAI	0	5.22	5.33
71	COMVIVA TECH, GURGAON	5	4.25	4.25
72	i-GATE, B'LORE	8	3.1	3.1
73	DR. REDDY'S LABS, HYD	8	5.68	5.68
74	FINISAR, MALAYSIA	4	9	9
75	TEACH FOR INDIA	*	3	3
76	TELCO CONST., B'LORE	0	6.97	-
77	V A TECH WABAG, CHENNAI	3	3.9	-
78	CATALYSER EDUVENTURES, INDORE	*	5.2	5.2
79	ESAB INDIA, CHENNAI	0	4.25	-
80	ACCOLITE S.W., B'LORE	2	6.5	7

81	SUBEX LTD, B'LORE	1	4.75	4.75
82	SAP LABS, B'LORE	5	7	-
83	ACCENTURE, B'LORE	5	5.62	-
84	HERO MOTOCORP, N. DELHI	5	6	-
85	RENASAS MOBILE, B'LORE	4	4.6	4.6
86	SAMSUNG (I) ELECTRONICS, NOIDA	4	6.65	8.15
87	3D PLM S.W., B'LORE	2	4.4	4.5
88	HIMALAYA DRUG, B'LORE	1	4.5	-
89	SONY INDIA, B'LORE	2	4.53	-
90	SAMSUNG INDIA, B'LORE	10	5.5	5.5
91	VEDANTA GROUP, GOA	10	5.7	-
92	IBM-ISL, B'LORE	4	-	6.5
93	FIDELITY INVESTMENT, B'LORE	1	9	-
94	AMADEUS S.W., B'LORE	6	7.5	7.5
95	M&M, MUMBAI	3	5.01	6.75
96	ERICSSON, B'LORE	1	4.5	4.5
97	HYUNDAI MOTOR, CHENNAI	1	4.5	-
98	ABB LTD, B'LORE	0	4	-
99	TATA STEEL, JAMSHEDPUR	2	8	-
100	i-RUNWAY, B'LORE	1	8	-
101	RELIANCE INDUSTRIES, MUMBAI	14	5.5	-
102	AVAYA INDIA, B'LORE	2	6.5	6.5
103	EXETER GROUP, B'LORE	1	7	-
104	EDUCATIONAL INITIATIVES, B'LORE	*	4	4
105	INTERGRAPH, HYD	4	3.9	3.9
106	RICOH INNOVATIONS, B'LORE	1	6.5	6.5
107	SIEMENS TECH, B'LORE	3	4.25	4.75
108	WALMART, B'LORE	0	18	19
109	ACG WORLDWIDE, PUNE	1	4.5	4.5
110	FRACTAL ANALYTICS, MUMBAI	5	5	5
111	VIZ EXPERTS, B'LORE	0	4.5	4.5
112	RAJIV GANDHI UNIVERSITY, HYD	5	-	6.5
113	BMRCCL, B'LORE	10	3	-
114	IVY COMPTECH, B'LORE	1	10.2	10.2
115	ABSOLUTE DATA, NOIDA	4	4	-
116	TESCO, B'LORE	7	4.5	4.5
117	H U L, MUMBAI	1	9.6	-

118	LSI INDIA, B'LORE	3	9.16	9.5
119	HYDERABAD INDUSTRIES, HYD	3	5	-
120	TATA ELXSI, B'LORE	6	3.5	3.5
121	ERNST & YOUNG, B'LORE	6	3.8	3.8
122	TAVANT TECH, B'LORE	8	4.5	4.5
123	MIDMAC, QATAR	6	5.76	5.76
124	TRIMBLE INFO, CHENNAI	0	-	4.25
125	MCF, M'LORE	0	3.4	-
126	CITI GROUP, B'LORE	1	-	9
127	ST ERICSSON, NOIDA	0	7.8	7.8
128	ANZ SERVICES, B'LORE	1	6	-
129	BOSCH LTD, B'LORE	6	4.71	-
130	GODREJ & BOYCE, MUMBAI	3	3.6	-
131	L & T CONSTRUCTION, CHENNAI	3	3.5	3.75
132	JDA SOFTWARE, B'LORE	6	6	6.51
133	T C E, B'LORE	7	3.5	4
134	EMC SOFTWARE, B'LORE	2	9.5	10.25
135	IDEA CELLULAR, MUMBAI	2	5	-
136	CARBORUNDUM, CHENNAI	2	4.25	-
137	TOTAL ENVIRONMENT, B'LORE	6	3.8	3.8
138	GODREJ AGROVET, CHENNAI	1	4	-
139	BANK OF AMERICA, B'LORE	0	6	-
140	DOLCERA ITES, MUMBAI	0	-	8
141	NEEV TECH, B'LORE	4	3.3	3.3
142	JOHNSON CONTROL, MUMBAI	1	3.1	-
143	SOBHA DEVELOPERS, B'LORE	3	3.09	-
144	GE INDIA TECH, B'LORE	1	-	7
145	IBS SOFTWARE, TRIVENDRUM	2	3	3
146	SUDARSHAN CHEMICAL, MUMBAI	0	3	3
147	SAAMA TECH, PUNE	4	6	-
148	KPMG, B'LORE	5	4	-
149	GE HEALTHCARE, B'LORE	1	6	7
150	STREAMNET, B'LORE	6	7	7
151	PETROFAC, CHENNAI	4	3.69	-
152	UNITED HEALTH, HYD	6	8.25	8.25
153	MAGNETI MARELLI, NOIDA	1	4	-

154	STUP CONSULTANTS, B'LORE	*	-	
155	INFOTECH ENTERPRISES, B'LORE	1	2.75	-
156	BHARAT FORGE, PUNE	4	4	-
157	G S STRETEGIES, B'LORE	2	28	-
158	CENTURY LINK, B'LORE	2	5.5	-
159	PHOENIX, NAGPUR	*	6	-
160	EXPICIENT S.W, B'LORE	4	5	5
161	ANGLO-EASTERN SHIP, MUMBAI	*	6	-
162	COWI INDIA, NOIDA	5	4.09	4.4
163	BPL TELECOM, B'LORE	0	-	2.34
164	HOUSING.CO, MUMBAI	1	6.46	6.46
165	TECHNIP INDIA, CHENNAI	2	-	6
166	HINDALCO, CHENNAI	3	3.7	-
167	ASAHI INDIA GLASS, CHENNAI	5	3.75	-
168	ARYAKA NETWORKS, B'LORE	0	6.09	6.09
169	BIOCON, B'LORE	2	-	3.5
170	MADRAS CEMENTS, CHENNAI	*	4.2	-
171	IOCL, N. DELHI	10	10.1	-
172	ACE CREATIVE, B'LORE	3	-	1.98
173	REDBUS, B'LORE	6	5	-
174	POWER GRID, GURGAON	6	-	12.67
175	AAKAR ABHINAV, MUMBAI	2	-	3.6
176	SAMSUNG HEAVY INDS., NOIDA	*	4	4
177	KIRLOSKAR FERROUS, BELLARY	3	2.64	-
178	VESTAS TURBINES, CHENNAI	*	4	-
179	L& T - IES, B'LORE	2	4	-
180	ARVEE ASSOCIATES, HYD	*	3.6	4
COMPANIES : 180		STUDENTS PLACED : 835		
NEW ORGANIZATIONS VISITED NITK IN 2012-13 : 40				
<i>* Final Results awaited</i>				

BRANCHWISE PLACEMENTS 2012-13 :

UNDERGRADUATES		
BRANCH	TOTAL ELIGIBLE STUDENTS	PLACED
CIVIL	85	49
CHEMICAL	37	22
COMPUTER	91	82
E & C	97	86
E & E	92	70
IT	90	81
MECHANICAL	135	109
METALLURGY	32	25
MINING	23	13
TOTAL (B.TECH)	682	537
POSTGRADUATES		
STRUCTURAL ENGG.	24	5
GEO TECH.	9	0
ENVIRONMENTAL	17	1
TRANSPORTATION SYSTEM	23	2
CONSTRUCTION TECH & MGMT	25	1
MARINE STRUCTURES	19	6
WATER RESOURCE ENGG & MGMT	11	1
REMOTE SENSING & GIS	15	1
IP C	17	0
CPD	9	0
INDUSTRIAL BIOTECHNOLOGY	18	3
COMPUTER SCIENCE & ENGG	23	18
INFORMATION SECURITY	23	16
VLSI	22	6
COMMUNICATION ENGG	24	8
POWER & ENERGY SYSTEM	24	3
INFORMATION TECHNOLOGY	26	19
THERMAL ENGG	9	2
MANUFACTURING ENGG	13	2
MECHATRONICS	24	5
PROCESS MET.	11	1
MATERIALS ENGG.	12	2
S A C A	21	6
TOTAL (M.TECH)	419	108
MCA	87	60
MBA	30	1
MSC(Chemistry)	16	1
MSC(Physics)	16	2
TOTAL	1250	709

*TOTAL NO. OF PLACEMENTS - 835
(with 126 students getting placed in two companies)

PLACEMENT BREAKUP 2012-13					
Sl. No.	Name of Company	Date of visit	No. of Students Placed	Branchwise breakup	
				UG	PG
1	MICROSOFT, HYD	Aug. 01, 2012	10	CS 08, ECE 01, I.T 01	-
2	BAJAJ AUTO, PUNE	Aug. 02, 2012	5	MECH 05	-
3	TEXAS INSTRUMENTS, B'LORE	Aug. 03, 2012	10	CS 01, ECE 09	-
4	BROADCOM, B'LORE	Aug. 03, 2012	6	CS 01, ECE 05	-
5	D E SHAW, HYD	Aug. 04, 2012	3	CS 02	MCA 01
6	TATA TECH, PUNE	Aug. 05, 2012	17	MECH 12, I.T 03	MECH 02
7	ADOBE SYSTEMS, B'LORE	Aug. 05, 2012	3	CS 02, I.T 01	-
8	CATERPILLAR, CHENNAI	Aug. 06, 2012	2	MECH 02	-
9	FLIPKART, B'LORE	Aug. 06, 2012	0	-	-
10	ROBERT BOSCH, B'LORE	Aug. 07, 2012	13	CS01, ECE 01, EEE 01, MECH 02	CS 02, ECE 01, MECH 05
11	TATA HOUSING, MUMBAI	Aug. 07, 2012	3	CIVIL 03	-
12	MORGAN STANLEY, MUMBAI	Aug. 07, 2012	3	CS 01, EEE 01, I.T 01	-
13	GOLDMAN SACHS, B'LORE	Aug. 08, 2012	13	CS 05, ECE 03, EEE 02, I.T 03	-
14	INTUIT, B'LORE	Aug. 08, 2012	5	CS 02, I.T 03	-
15	NVIDIA, B'LORE	Aug. 09, 2012	2	ECE 02	-
16	ZYNGA, B'LORE	Aug. 09, 2012	5	CS 05	-
17	AKAMAI TECH, B'LORE	Aug. 09, 2012	3	CS 02, I.T 01	-
18	IBM-GBS, B'LORE	Aug. 10, 2012	76	CIVIL 05, CHEM 03, CS 01, ECE 08, EEE 11, IT. 04, MECH 06, MET 10, MIN 01	MCA 19, CIVIL 01, CHEM 01, CS 03, I.T 02, MET 01
19	GOOGLE INDIA, B'LORE	Aug. 10, 2012	0	-	-
20	ORACLE INDIA, B'LORE	Aug. 11, 2012	35	CHEM 01, CS 05, ECE 01, EEE 01, I.T 10, MECH 01	CS 04, I.T 07, SACA 01, MCA 04

21	MARUTI SUZUKI, NOIDA	Aug. 11, 2012	3	MECH 03	-
22	FUTURES FIRST, B'LORE	Aug. 12, 2012	4	CHEM 01, ECE 01, MECH 02	-
23	NETAPP, B'LORE	Aug. 13, 2012	4	CS 02, I.T 01	CS 01
24	DELOITTE, HYD	Aug. 13, 2012	23	CS 02, ECE 06, EEE 07, I.T 05	CS 01, MCA 02
25	N.I.R&D, B'LORE	Aug. 14, 2012	5	ECE 03	CS 1, MCA 1
26	PEPSICO, B'LORE	Aug. 14, 2012	2	EEE 01, MECH 1	-
27	PAYPAL, CHENNAI	Aug. 15, 2012	3	CS 03	-
28	MCAFEE, B'LORE	Aug. 15, 2012	4	CS 02, I.T 02	-
29	CISCO SYSTEMS, B'LORE	Aug. 17, 2012	21	CS 09, ECE 07	CS 02, I.T 01, MCA 02
30	3M INDIA, B'LORE	Aug. 17, 2012	4	CHEM 01, MECH 01, MET 01	CHEM 01
31	YAHOO!, B'LORE	Aug. 17, 2012	2	I.T 01	CS 01
32	COSMIC CIRCUITS, B'LORE	Aug. 18, 2012	2	ECE 02	-
33	HONEYWELL, B'LORE	Aug. 19, 2012	2	-	MECH 01, SACA 01
34	ITTIAM SYSTEMS, B'LORE	Aug. 20, 2012	3	CS 01, ECE 02	-
35	INFIBEAM, B'LORE	Aug. 20, 2012	4	I.T 03	CS 01
36	ZS ASSOCIATES, PUNE	Aug. 21, 2012	12	CIVIL 04, CS 01, ECE 01, EEE 03, I.T 02, MECH 01	-
37	HSBC, B'LORE	Aug. 22, 2012	10	CIVIL 03, CHEM 01, CS 01, ECE 01, EEE 02, MET 02	-
38	S&P CAPITAL IQ, HYD	Aug. 23, 2012	0	-	-
39	QUALCOMM, B'LORE	Aug. 24, 2012	5	CS 02, ECE 02, EEE 01	-
40	BRAVOLUCY, HYD	Aug. 24, 2012	1	-	MCA 01
41	EPIC, USA	Aug. 24, 2012	0	-	-
42	INDIAN NAVY, B'LORE	Aug. 25, 2012	*		
43	SANDISK, B'LORE	Aug. 25, 2012	0	-	-
44	SATISH JAIN & CO, MUMBAI	Aug. 25, 2012	3	CIVIL 03	-

45	SANDVINE, B'LORE	Aug. 25, 2012	2	I.T 01	CS 01
46	CYPRESS SEMICONDUCTOR, B'LORE	Aug. 26, 2012	6	ECE 01, EEE 02	ECE 03
47	CAPILLARY TECH, B'LORE	Aug. 26, 2012	4	CIVIL 01, EEE 01, I.T 01, Met 01	-
48	MU SIGMA, B'LORE	Aug. 27, 2012	7	CIVIL 02, ECE 01, EEE 02, I.T 01, MECH 01	-
49	ARTOO IT, B'LORE	Aug. 27, 2012	1	CS 01	-
50	CREDIT SUISSE, MUMBAI	Aug. 27, 2012	10	CS 01, EEE 02	CS 03, MCA 04
51	ATOP TECH, B'LORE	Aug. 28, 2012	2	ECE 02	-
52	CAVIUM NETWORKS, B'LORE	Aug. 28, 2012	1	-	CS 01
53	C-DOT, B'LORE	Aug. 29, 2012	5	CS 01, ECE 03	ECE 01
54	SABRE HOLDINGS, B'LORE	Aug. 30, 2012	5	CS 01, EEE 01, IT. 01	CS 01, I.T 01
55	HARMAN INTERNATIONAL, B'LORE	Aug. 30, 2012	9	CS 02, ECE 05, I.T 02	-
56	LG SOFT, B'LORE	Aug. 31, 2012	16	ECE 02, EEE 03, I.T 06	CS 02, I.T 01, SACA 02
57	HEADSTRONG, B'LORE	Aug. 31, 2012	4	MECH 01, MET 01, MIN 01	MCA 01
58	TCS, B'LORE	Sept. 01, 2012	71	CIVIL 10, CS 03, ECE 05, EEE 12, I.T 12, MECH 08, MET 02, MIN 01	MCA 09, CIVIL 01, CS 02, I.T 02, MET 03, SACA 01
59	GLOBAL DELIGHT, UDUPI	Sept. 03, 2012	0	-	-
60	TATA MOTORS, MUMBAI	Sept. 03, 2012	10	MECH 10	-
61	WIPRO TECH, B'LORE	Sept. 04, 2012	7	CIVIL 01, ECE 01, EEE 01, I.T 02, MET 01, MIN 01	-
62	SAANKHYA LABS, B'LORE	Sept. 05, 2012	2	-	ECE 02
63	LEXITY R&D, B'LORE	Sept. 05, 2012	0	-	-
64	AKS SOFTWARE, NOIDA	Sept. 06, 2012	0	-	-
65	UTC AEROSPACE, B'LORE	Sept. 06, 2012	1	MECH 01	-
66	ARM EMBEDDED, B'LORE	Sept. 06, 2012	2	ECE 02	-
67	HONDA 2 WHEELERS, NOIDA	Sept. 07, 2012	4	EEE01, MECH 03	-

68	SAPIENT, NOIDA	Sept. 07, 2012	3	ECE 01, I.T 02	-
69	NTT DATA, B'LORE	Sept. 09, 2012	2	-	MCA 02
70	VERIZON DATA, CHENNAI	Sept. 15, 2012	0	-	-
71	COMVIVA TECH, GURGAON	Sept. 16, 2012	5	-	MCA 05
72	i-GATE, B'LORE	Sept. 16, 2012	8	ECE 02, I.T 01, MECH 01	MCA 04
73	DR. REDDY'S LABS, HYD	Sept. 17, 2012	8	CHEM 05	MCA 03
74	FINISAR, MALAYSIA	Sept. 18, 2012	4	EEE 01, MECH 03	-
75	TEACH FOR INDIA	Sept. 19, 2012	*		
76	TELCON CONST., B'LORE	Sept. 21, 2012	0	-	-
77	V A TECH WABAG, CHENNAI	Sept. 21, 2012	3	CIVIL 02, MECH 01	-
78	CATALYSER, INDORE	Sept. 24, 2012	*		
79	ESAB INDIA, CHENNAI	Sept. 24, 2012	0	-	-
80	ACCOLITE S.W., B'LORE	Sept. 26, 2012	2	CS 01	CS 01
81	SUBEX LTD, B'LORE	Sept. 26, 2012	1	-	MCA 01
82	SAP LABS, B'LORE	Sept. 26, 2012	5	I.T 04	I.T 01
83	ACCENTURE, B'LORE	Sept. 27, 2012	5	ECE 01, EEE03, I.T 01	-
84	HERO MOTOCORP., N.DELHI	Sept. 28, 2012	5	MECH 05	-
85	RENESAS MOBILE, B'LORE	Sept. 28, 2012	4	ECE 02, EE 01	ECE 01
86	SAMSUNG INDIA ELECTRONICS, NOIDA	Sept. 28, 2012	4	CS 02	CS 02
87	3D PLM S.W., B'LORE	Sept. 29, 2012	2	MECH 02	-
88	HIMALAYA DRUG, B'LORE	Oct. 01, 2012	1	CHEM 01	-
89	SONY INDIA, B'LORE	Oct. 03, 2012	2	EEE 01, I.T 01	-
90	SAMSUNG INDIA, B'LORE	Oct. 05, 2012	10	CS 02, I.T 02	CS 05, I.T 01
91	VEDANGA GROUP, GOA	Oct. 06, 2012	10	MIN 10	-
92	IBM-ISL, B'LORE	Oct. 07, 2012	4	-	CS 02, I.T 01, MCA 01
93	FIDELITY INVESTMENT, B'LORE	Oct. 08, 2012	1	I.T 01	-

94	AMADEUS S.W., B'LORE	Oct. 10, 2012	6	CS 01, I,T 03	MCA 02
95	M&M, MUMBAI	Oct. 11, 2012	3	MECH 02	MECH 01
96	ERICSSON, B'LORE	Oct. 12, 2012	1	I.T 01	-
97	HYUNDAI MOTOR, CHENNAI	Oct. 13, 2012	1	MECH 01	-
98	ABB LTD, B'LORE	Oct. 14, 2012	0	-	-
99	TATA STEEL, JAMSHEDPUR	Oct. 14, 2012	2	MECH 02	-
100	i-RUNWAY, B'LORE	Oct. 14, 2012	1	EEE 01	-
101	RELIANCE INDUSTRIES, MUMBAI	Oct. 17, 2012	14	CHEM 06, EEE 03, MECH 04, MET 01	-
102	AVAYA INDIA, B'LORE	Oct. 18, 2012	2	CS 01	MCA 01
103	EXETER GROUP, B'LORE	Oct. 19, 2012	1	EEE 01	-
104	EDUCATIONAL INITIATIVES, B'LORE	Oct. 19, 2012	*		
105	INTERGRAPH, HYD	Oct. 29, 2012	4	CIVIL 01, CS 01	CIVIL 01, SACA 01
106	RICOH, B'LORE	Oct. 29, 2012	1	EEE 01	-
107	SIEMENS TECH, B'LORE	Oct. 29, 2012	3	I.T 01	CS 01, I.T 01
108	WALMART, B'LORE	Oct. 30, 2012	0	-	-
109	ACG WORLDWIDE, PUNE	Oct. 31, 2012	1	MECH 01	-
110	FRACTAL ANALYTICS, MUMBAI	NOV. 02, 2012	5	CIVIL 01, I.T 01, MECH 03	-
111	VIZ EXPERTS, B'LORE	NOV. 03, 2012	0	-	-
112	RAJIV GAAANDHI UNIVERSITY, HYD	NOV. 03, 2012	5	-	ECE 03, MECH 01, MBA 01
113	BMRCL, B'LORE	NOV. 05, 2012	10	CIVIL 04, CS 02, EE 02, I.T 02	-
114	IVY COMPTECH, HYD	NOV. 05, 2012	1	-	CS 01
115	ABSOLUTE DATA, NOIDA	NOV. 07, 2012	4	CIVIL 02, CS 01, MIN 01	-
116	TESCO, B'LORE	NOV. 07, 2012	7	EEE 01, MECH 01	MCA 05
117	H U L, MUMBAI	NOV. 09, 2012	1	MECH 01	-
118	LSI INDIA, B'LORE	NOV. 09, 2012	3	ECE 02	ECE 01
119	HYDERABAD INDUSTRIES, HYD	NOV. 16, 2012	3	CHEM 01, MECH 02	-

120	TATA ELXSI, B'LORE	NOV. 20, 2012	6	-	MCA 06
121	ERNST & YOUNG, B'LORE	NOV. 21, 2012	6	ECE 02, I.T 01, MET 02	MCA 01
122	TAVANT TECH, B'LORE	NOV. 21, 2012	8	CS 01, I.T 01	MCA 06
123	MIDMAC, QATAR	NOV. 23, 2012	6	CIVIL 01, BEE 02, MECH 02	CIVIL 01
124	TRIMBLE INFO, CHENNAI	NOV. 24, 2012	0	-	-
125	MCF, M'LORE	NOV. 24, 2012	0	-	-
126	CITI GROUP, B'LORE	DEC. 06, 2012	1	-	MCA 01
127	ST ERICSSON, NOIDA	DEC. 08, 2012	0	-	-
128	ANZ SERVICES, B'LORE	DEC. 09, 2012	1	CIVIL 01	-
129	BOSCH LTD, B'LORE	DEC. 09, 2012	6	MECH 06	-
130	GODREJ & BOYCE, MUMBAI	DEC. 11, 2012	3	EEE 01, MECH 02	-
131	L&T CONSTRUCTION, CHENNAI	DEC. 16, 2012	3	CIVIL 03	-
132	JDA SOFTWARE, B'LORE	JAN. 03, 2013	6	ECE 01, EEE 02, I.T 01, MET 02	-
133	T C E, B'LORE	JAN. 03, 2013	7	CIVIL 03	CIVIL 04
134	EMC SOFTWARE, B'LORE	JAN. 04, 2013	2	CS 01	CS 01
135	IDEA CELLULAR, MUMBAI	JAN. 04, 2013	2	ECE 02	-
136	CORBORUNDUM, CHENNAI	JAN. 05, 2013	2	MECH 01, MET 01	-
137	TOTAL ENVIRONMENT, B'LORE	JAN. 06, 2013	6	CIVIL 04	CIVIL 02
138	GODREJ AGROVET, CHENNAI	JAN. 06, 2013	1	MECH 01	-
139	BANK OF AMERICA, B'LORE	JAN. 07, 2013	0	-	-
140	DOLCERA ITES, MUMBAI	JAN. 07, 2013	0	-	-
141	NEEV TECH, B'LORE	JAN. 08, 2013	4	ECE 01	I.T 02, MCA 01
142	JOHNSON CONTROLS, MUMBAI	JAN. 09, 2013	1	MECH 01	-
143	SOBHA DEVELOPERS, B'LORE	JAN. 10, 2013	3	CIVIL 03	-
144	GE INDIA TECH, B'LORE	JAN. 12, 2013	1	-	MECH 01

145	IBS SOFTWARE, TVM	JAN. 14, 2013	2	MET 01	MCA 01
146	SUDARSHAN CHEMICAL, MUMBAI	JAN. 14, 2013	0	-	-
147	SAAMA TECH, PUNE	JAN. 15, 2013	4	EEE 01, MECH 03	-
148	KPMG, B'LORE	JAN. 15, 2013	5	EEE 03, I.T 02	-
149	GE HEALTHCARE, B'LORE	JAN. 17, 2013	1	ECE 01	
150	STREAMNET, B'LORE	JAN. 18, 2013	6	CS 01, EEE 03	CS 01, I.T 01
151	PETROFAC, CHENNAI	JAN. 19, 2013	4	CIVIL 01, CHEM 01, MECH 01, MET 01	-
152	UNITED HEALTH, HYD	JAN. 21, 2013	6	ECE 01, I.T 01, MECH 03	I.T 01
153	MAGNETI MARELLI, NOIDA	JAN. 24, 2013	1	MECH 01	-
154	STUP CONSULTANTS, B'LORE	JAN. 25, 2013	*	-	
155	INFOTECH ENTERPRISES, B'LORE	JAN. 25, 2013	1	MECH 01	-
156	BHARAT FORGE, PUNE	JAN. 28, 2013	4	MET 04	-
157	G S STRETEGIES, B'LORE	JAN. 31, 2013	2	CS 01, ECE 01	-
158	CENTURY LINK, B'LORE	JAN. 31, 2013	2	EEE 01, MECH 01	-
159	PHOENIX, NAGPUR	FEB. 02, 2013	*		-
160	EXPICIENT S.W, B'LORE	FEB. 02, 2013	4	CS 01, ECE 01, I.T 01	SACA 01
161	ANGLO-EASTERN SHIP, MUMBAI	FEB. 06, 2013	*	CS 01, ECE 01, I.T 01	-
162	COWI INDIA, NOIDA	FEB. 08, 2013	5	CIVIL 02	CIVIL 03
163	BPL TELECOM, B'LORE	FEB. 08, 2013	*	-	
164	HOUSING.CO, MUMBAI	FEB. 09, 2013	1	CS 01	
165	TECHNIP INDIA, CHENNAI	FEB. 11, 2013	2	-	CIVIL 02
166	HINDALCO, CHENNAI	FEB. 12, 2013	3	ECE 01, EEE 01, MECH 01	-
167	ASAHI INDIA GLASS, CHENNAI	FEB. 14, 2013	5	CHEM 02, EEE 01, MECH 01, MET 01	-
168	ARYAKA NETWORKS, B'LORE	FEB. 19, 2013	0	-	-
169	BIOCON, B'LORE	FEB. 20, 2013	2	-	CHEM 02

170	MADRAS CEMENTS, CHENNAI	MAR. 04, 2013	*		-
171	IOCL, N. DELHI	MAR. 06, 2013	10	ECE 02, EEE03, MECH 05	-
172	ACE CREATIVE, B'LORE	MAR. 06, 2013	3	-	CHEMISTRY 01, PHYSICS 02

Training Slots – for the Academic Year 2012-13

Sl. No.	Branch	No. of Slots
01	Chemical Engineering	64
02	Civil Engineering	50
03	Computer Engineering	53
04	Electronics & Communication Engineering	27
05	Electrical & Electronics Engineering	68
06	Information Technology	24
07	Mechanical Engineering	153
08	Metallurgical & Material Engineering	63
09	Mining Engineering	115
	Total Number of Students	617

Number of Companies : 179	Number of Training Slots : 617
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17.0 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 2012-13 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 2012 admissions are:

- ◆ Number of seats for 2012-13, UG – 2027, M.Tech. – 364, MBA - 57
- ◆ Number of Institutions implementing DASA scheme (UG- 33), M.Tech.- 20, MBA- 12
- ◆ 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 2012

“Engineer” the reputed technical symposium of NITK, Surathkal was held on October 25,2012. Dr. B M Hegde, (Former Vice Cahncellor, Manipal University) as guest of Honour and Dr. Swapan Bhattacharya, Director, NITK as president.

17.3 MEMORANDA OF UNDERSTANDING (MOUs)

List of MoUs between NITK, Surathkal and other Universities/Organizations in 2012-13

- Karnataka State Bio fuel Development Board, Government of Karnataka, Bangalore on April 5, 2012 for establishment of information & Demonstration Centre at NITK, Surathkal for promoting R&D on Bio-Fuels in Dakshina Kannada District of Karnataka State.

MOUs between Foreign Countries in 2012-13

- MITACS INC, of Canada on Nov 7, 2012 .
- National Technical University of Ukraine “KYIV POLYTECHNIC INSTITUTE” on Nov 22, 2012 .

List of MoUs between NITK, Surathkal and other Universities/Organizations in 2013-14

- Mercedes-Benz Research and Development India Private Limited (MBRDI), Bangalore and NITK to enable MBRDI employees to enroll for Master and PhD 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

17.4 Scholarships / Assistanceship

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 Chemical Engineering**

Dr. Prasanna B.D., Ph.D. Department of Chemical Engg. Filed an Indian patent application (No. 5285/CHE/2012) on 18/12/2012 entitled “A process for production of an alcoholic beverage from cashew apple and raisins and the alcoholic beverage produced thereof”.

17.6 CONCESSIONS FOR SCs, STs, HANDICAPPED STUDENTS

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

<u>Undergraduate Course</u>	<u>SC</u>	<u>ST</u>	<u>Total</u>
I B.Tech	---	--	---
II B.Tech.	--	--	--
III B.Tech.	---	---	---
IV B.Tech.	---	---	--
Total	---	---	---

CONCESSIONS PROVIDED FOR STAFF - Nil

17.7 SC/ST CELL

The SC-ST Cell of NITK-Surathkal with the assistance of Centre for Research Education for Social Transformation, Govt. of Kerala (MoU signed on 6th May 2011) for the welfare of the students, is conducting regularly Professional Skill Enhancement Programme (PSEP) for pre final year B.Tech and final year M.Tech SC/ST/OBC/PWDs students and Self Enrichment Programme (SEP) for first year B.Tech SC/ST/OBC/PWD students. Professional Skill Enhancement Programme (PSEP) was conducted during 5th to 21st July 2012 and Self Enrichment Programme (SEP) was conducted between 24th to 28th October 2012.

To Develop the social skills and study strategies for the girls, the Cell for the first time conducted Women Enterprising Skill Training Programme (WEST) during 29th to 31st March 2013. The modules were handled by experts from various organizations like ComPAS Bangalore, NIMHANS Bangalore, NMAMIT NITTE, KMC Mangalore, MSME Govt. of India.

Professional Skill Enhancement Programme:

The SC-ST Cell arranged a seventeen days in house programme, on Professional Skill Enhancement Programme during 5th to 21st July 2012 for the 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. 40 students of pre-final year B.Tech & final year M.Tech students actively participated in the programme. The course content of the seventeen days programme include Understanding Personality, Teamwork, Leadership, Interpersonal Skills, Learning style, Decision making, CV writing, Cover letters, Interviews, Group Discussions, Presentation Skills, Communications Skills.

From the placement records of the institute for the academic year 2012 – 2013 it is evident that out of 40 students participated in PSEP, 16 of them got placement in reputed organizations and 6 students opted for further studies.

Self Enrichment Programme :

The SC-ST Cell arranged a five days orientation programme titled “Self Enrichment Programme” between 24th to 28th October 2012 for first year SC/ST/OBC/PWD students of NITK-Surathkal. The partial financial support for the programme was rendered by Technical Education Quality Improvement Programme, Phase-II (TEQIP-II) of NITK-Surathkal. Around 39 students actively participated in the programme. The programme was designed 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, Goal Setting and Motivation, Effective Presentation Skills, Leadership and Creativity and Team Work.

Women Enterprising Skill Training Program (WEST)

The SC-ST Cell arranged a three day workshop titled “Women Enterprising Skill Training Program” between 29th to 31st March 2013 for girl students of NITK- Surathkal. Around 38 students actively participated in the programme. The Programme included qualitative analysis of human brain, Psychometric test and Mapping Discussions, Neuro Linguistic Programming, Molding the entrepreneurial material, Developing the social capital in women, Entrepreneurial Motivation Techniques & Soft Skills, Analysis of the Five Elements of Brain.

Other activities of the SC/ST – Cell during the year 2012-2013 includes:

- Monitoring & Implementation of Reservation Roster

- Coordinating Scholarship Schemes for the benefit of the students belonging to SCs/STs

Central Sector Scheme of Top Class Education (2007 - 08 onwards)

MoTA: 5 per year (Parents income less than 2 lakhs)

MoSJE: 12 per year (Parents income less than 4.5 lakhs)

- Special Coaching 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.

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 Dakashina 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. 122 RTI Applications were received during the year 2011-12 (from 01.04.2011 to 31.03.2012)

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, dhayan 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)

Introduction:-

In 2002-03, the Government of India with the financial assistance from the World Bank launched a Technical Education Quality Improvement Programme (TEQIP) as a long-term Programme of 10-12 years, to be implemented in three phases for systemic transformation of the Technical Education System. The first phase of TEQIP commenced in March 2003 and ended in March 2009, covering 127 institutions in 13 states. The objective of TEQIP was to improve the infrastructure, equipments and faculty/staff development. The focus was more on under graduate programme. Funding was given to lead institute and many other institutes in the region were networked to the lead institute. Under this project NITK as a lead institute received Rs. 210 million.

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 MOU with MHRD for successful implementation of the project with 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 outlay under TEQIP-II programme, a sum of Rs. 20 million was received on 21-06-2011 and Rs. 41.9 million was received on 06-10-2012. With the above fund flow the targets achieved and those under progress up to the end of March 2013 are as under:

1. Procurement of Assets (including Books, LR's, software , Equipments and Furniture,	Rs. 7.144 million.
2. Providing Teaching and Research Assistantship	Rs. 2.295 million
3. Enhancement of R & D activities	Rs. 0.142 million
4. Faculty and Staff Development	Rs. 0.249 million
5. Enhanced interaction with Industry	Rs. 0.066 million
6. Academic support to weak students	Rs. 0.244 million
7. Incremental Operating Cost	Rs. 1.907 million

Some of the high end equipments procured under the project are Multimedia and HCI Lab Equipment (IT), Fermenter, Real Time data Acquisition system, FPGA Boards etc costing to a tune of Rs. 91.74 lakh. Purchase orders have already been sent to other packages costing about Rs. 81.52 lakh. In addition to the above, Letter of Acceptance (LOA) on procurement of equipments under National Competitive Bidding (NCB) method costing Rs. 94.19 lakh have also been sent to successful Bidders.

A sum of Rs. 50,000/- for delivering Expert Lecture by experts from Research Institutions and additional Rs. 50,000/- per delivery for expert Lecture by Experts from Industry, another Rs. 60,000/- per every faculty member for Research Interaction in India / abroad and Rs. 20,000/- for attending International conferences held in India by Research scholars, Rs. 5,000/- for filing of Patents, Rs. 8,000/- for publication by every faculty member in Peer Reviewed journals etc. were also been earmarked under this Project. Besides a sum of Rs. 1,50,000/- per programme is sanctioned to conduct short Term Training Programs (STTP) in all the Engineering Departments.

Under the above provisions,

(i) Dept. of Civil Engg., Dept. of Mechanical Engg., and Dept. of E&C Engg. have conducted 'Short time Training programme', 'All India Seminar' and 'Workshop' respectively.

(ii) Two 'Self enrichment programmes for academically weak students of B. Tech. & M. Tech have been conducted.

(iii) Personality Development and Enhancement of Language and Presentation skills for M. Tech students of E.& C. Engg. department has been conducted. Similar programmes will be conducted to cover post graduate students of all departments. This programme is being conducted with an aim of enhancing the employability potential of P.G. students.

(iv) Eight Faculty members from Chemical, Mechanical and Civil Engg. Departments and Dept. of Chemistry have participated and presented research papers in International conferences held in various places in India.

In addition, 16 Half Time Teaching Assistants (HTTAs) and 4 Post Graduate Research Assistants (PGRAs) were admitted to the Institution under the TEQIP-II project. Each HTTA is paid an assistantship of Rs. 15,000/- per month up to a three year period. Each PGRA is paid Rs. 25,000/- as Research Assistantship for the first 24 months and @ Rs. 28,000/- per month for the next 36 months.

The NPIU nominated Mentor visited this Institution during December 2012 and had interacted with all the concerned Nodal Officers, Departments, faculty members Non-Teaching Staff and students and submitted a comprehensive report to NPIU on 16th December 2012.

Annual financial accounts has been audited by a qualified Chartered Accountant and audit report thereon was sent to NPIU and accepted.

TEQIP-II Coordinator was deputed to attend a meeting on 26th and 27th September 2012 at India Habitat Centre, Lodhi Road, New Delhi to review the progress and accelerated implementation of TEQIP-II project.

The first Joint review Mission (JRM) meeting was held in the month of February 2013 to review the progress of TEQIP-II related programme/activities in which the progress achieved by this Institution was presented and discussed.

18.0 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, arranging endowment lectures and establishing MOU with different industries with well defined guidelines of interaction for mutual benefit. MOUs have been signed with industries like MRPL, Texas Instruments, National Instruments, IBM, and Robert Bosch. During 2012-13 MOU has been signed with CeNSE IISc Bangalore and Mercedes Benz R&D at Bangalore. Collaborative activities with M/s. VOLVO India Bangalore and Moog India Technology Centre Bangalore have also been started. The main content of MOU includes usage of facilities at either end. Few industries have also sponsored professorial chair, and established laboratories at NITK. IIP Cell has compiled the technical facilities in various departments in the form of a booklet "Technical Information Digest". This book has been sent to about 250 industries in Karnataka.

The IRG through Testing and Consultancy has been improving since last 3-4 years. The total revenue through Testing & Consultancy works for the year 2012-13 is Rs. 3.26 crores. Visit to local large and medium scale industries, technical talks by industrial people, demonstration of products by industry, inputs to students for improving their managerial skills by industrial experts are some of the other activities of the Cell. Emphasis is laid on importance of quality practical training for students and during the present year M.Tech students have been deputed for real life projects at different industries.

IIP Cell extended support to the training and placement department in providing adequate information about different industries so that more students are placed during campus recruitment. Presently, IIP Cell is establishing contacts with certain major industries who can associate with NITK to start joint PG programmes or joint consultancy and development works. 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 Chemical Engineering

Summer Internship Programme 2012 :-

Sl.No.	Name of Student	Title of the Project	Name of Guide	Period
1	Mr P. Aswin, B.Tech., Chemical Engg., Govt. Engg. College, Kozhikode, Kerala	Optimization of Photo- catalytic Degradation of Acid Blue-129 using TiO ₂ and Ag Doped TiO ₂ Nanoparticles	Vidya Shetty K., Ph.D.	May 31 st to July 17 th , 2012
2	Mr Mayank Agarwal, B.Tech., Biochemical Engg., Harcourt Butler Technological Institute, Kanpur (UP)	Synthesis and Chara- cterization of Thermo- responsive Poly(n-iso- propylacrylamide-co- vinylpyrrolidinone) Hydrogel (Smart polymer) for Controlled Drug Delivery	P.E. Jagadeesh Babu, Ph.D.	June 1 st to July 13 th , 2012

3	Ms Vedha Venkatachalam, B.Tech., Biotech.in VCEW, Tiruchengode, Taminadu,	Studies on Effect of System Properties on Partitioning of α Lactalbumin and β Lacto globulin in PEG /Tri-sodium Citrate Salt	Dr.I.Regupathi,	June 1 st to July 6 th , 2012
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Name of Industry/organization/institute	Nature of Collaboration (Academic, Research, Training. Etc.)	Period / Duration
Sartorius stadium Biotechnology Laboratory, Biotechnology Research and Training Center, University of North Carolina at Pembroke, 115 Livermore Drive, Pembroke, NC 28372, USA	Collaborative research work on : Process development for the production of Heterorhabditis bacteriophora, an entemopathogenic nematode	15 th May-23 rd July 2012,
National technical university of Ukraine "Kyiv polytechnic Institute	Collaborative research project on Development of probiotics for enhanced antioxidant availability	20-28 Oct 2012
ICGAR, Kalpakkam, Tamilnadu, I.I.C.T., Hyderabad; BARC, Trombay, Mumbai; NAL, Bangalore; NEERI, Nagpur; Agarkar Research Institute, Pune; NCL, Pune; Indian Instt. of Integrative Medicine, Jammu; C.F.T.R.I., Mysore; IIT Madras; BHEL, Bangalore; Environmental Dept, ISW, Bellary; Central Power Research Institute, Bangalore; J.M.S. Pvt.Ltd., Mysore ; Centre for Ecological Sciences, I.I.Sc., Bangalore; I.I.T., Bombay ; MCBI Dept., Bangalore; NCCS, Pune; Rajiv Gandhi Centre for Biotech., Thiruvanthapuram; Bioorganic Chemistry Lab., National Institute of Oceanography, Goa; ICGEB, New Delhi; IPC,Ghaziabad; CSIR – IHBT, Palampur H.P; IIT, Delhi; National Institute of Plant Genome Research, New Delhi; Jawaharlal Nehru University School of Life Sciences, New Delhi; National Institute of Immunology, New Delhi; Indian Institute of Technology, Raipur; CSIR-National Institute of Interdisciplinary Science & Technology, (NIIST), Thiruvananthapuram; Bihar State Pollution Control Board, Patna; The Singareni Collieries Company Ltd., & Environmental Protection Training & Research Institute(E{ITRI), Hyderabad; Bhabha Atomic Research Centre (BARC), Trombay, Mumbai; Central Tuber Crops Research Institute, thiruvananthapuram; Buhler (India) Pvt. Ltd, Bangalore; Vikram Sarabhai Space Centre; Carborundum Universal, Chennai; Indian Institute of Technology-Gandhinagar; BSIP, Lucknow (IAS 2012); Indian Institute of Technology Kanpur (SURGE 2012); University of New Brunswick, Fredericton, Canada; BIOCON, Bangalore; Max Planck	UG & PG students Summer Internship programme and PG students Major project work	Summer internship during May to July 2012 and PG students project work during July 2012 to May 2013.

Institut für Eisenforschung, Düsseldorf, Germany; Central Drug Research Institute (CDRI), Lucknow; JNCASR Summer Fellow, 2012; Yokogawa IA Technologies India Pvt. Ltd Tenure; Raman Research Institute (RRI), Bangalore; Acharya Institute of Technology, Bangalore.		
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Industry Collaborations:-

Name of Industry/organization/institute	Nature of Collaboration (Academic, Research, Training, Etc.)	Period / Duration
Fertilizers & Chemicals Travancore Limited, Udyogmandal, Kochi; Sequent Scientific Ltd., Baikampady, New Mangalore; Hindalco Industries Limited, Belgaum; The Dharamsi Morarji Chemical Co.Ltd., Roha; MCF, Panambur, Mangalore; Sandy Industries Ltd., Devasandra Industrial Area, Bangalore; Rashtriya Chemicals & Fertilizers Ltd., Chembur, Mumbai; Hindustan Petroleum Corporation Ltd., Visakhapatnam; Grasim Industries & Harihar Polyfibres, Kumarapatnam, Harihar; Hindustan Organic Chemicals Ltd., (HOCL), Ambalamugal, Kochi, Kerala; The Singareni Collieries Company Ltd., Hyderabad; Mangalore Refinery and Petrochemicals Ltd., (MRPL), Mangalore; Iyan Engineer's And Enviro Systems Private Limited, Secunderabad; KIOCL, Mangalore; Siddaganga Oil Extractions Pvt. Ltd., Tumkur; Yuvaraj Biobiz Incubator India Pvt.Ltd., Chennai;	UG & PG students summer & winter Industrial training. And also for Testing & Consultancy.	May to July 2012 & December 2012

Department of Electronics And Communication Engg.

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
DCU, Ireland	UG Project	2012-2013
Texas Instruments	UG Project	2012-2013
KMC, Mangalore	UG Project	2012-2013
Texas Instruments	PG Project	2012-2013
Intel, Bangalore	PG Project	2012-2013
Robert BOSCH, B'lore	PG Project	2012-2013
NAL, Bangalore	PG Project	2012-2013
DRDO	PG Project	2012-2013
ISRO	PG Project	2012-2013
AMD	PG Project	2012-2013
LEOS, ISRO, Bangalore	FSO Project	2012-13

Department of Electrical & Electronics Engg.

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
CPRI	Academic	-
MRPL	Earth Resistance Measurement	Sep-Oct 2012

Department of Mechanical Engg.

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Central Manufacturing Technology Institute, Bangalore	Academic and research in Design and Manufacturing	Started M.Tech Programme in Design and Precision Engg.
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	MBRDI, Academic and research in automobile Engineering	On going
Robert Bosch Engineering and Business Solutions	Academic and research in automobile Engineering	On going
ISRO satellite Centre, Bangalore		

Department of Mining Engg.

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Bangalore Metro Rail Corporation Limited	Technical assistance	2 Years
M/s. Mahanadi Coal fields	Training program for the executives	27 days
M/s. The Singereni Collieries Company Ltd.	Training program for the executives	27 days

Department of Metallurgical And Materials Engg.

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Mangalore Chemicals & Fertilisers	M. Tech. Project	From August, 2012 to July, 2013/ one year
Bharat Heavy Electricals Limited, Bangalore	-Do-	-Do-
Indira Gandhi Centre for Atomic Research	-Do-	-Do-
IPR, Gandhinagar, Gujarat	M.Tech. Project	August 2012 to June 2013

19.0 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 December 2013. (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.

19.02 Notable Achievements

Department of Applied Mechanics and Hydraulics

Past achievements of Department (Important ones in past 3 years)

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

Achievement during the period of report

Workshop Conducted

Sl. No.	Subject/Head of Information	Name/Title	Dates	No. of participants
1.	Workshop	Conservation of Water Resources of West Flowing Rivers of Coastal Karnataka	14 th -15 th December, 2012	120
2.	Workshop	Geoinformatics for Natural Resource Management	30 - 31, January 2013	55

Department of Chemical Engg.

Notable achievements: Achievements during year

Foreign visits made by Faculty Members :-

Sl.No.	Name of the staff	Date & Place of Visit	Purpose of Visit
1	Prasanna B.D, Ph.D.	15 th May-23 rd July 2012, UNCP, NC, USA	To carry out research at "Biotechnology Research and Training centre, University of North Carolina Pembroke, USA
2	Prasanna B.D, Ph.D.	20-28 Oct 2012. NTUU-KPI, Kieve Ukraine	To purse International collaborative research project funded by SASIU, Govt. of Ukraine & DST, Government of India,

GUEST LECTURES DELIVERED BY EXTERNAL EXPERTS DURING 2012-2013.

Sl.No.	Subject of the Guest Lecture	Lecture Delivered by (Name & Address)	Dates of Lecture
1	Non Linear Sequence from Science to Sustainable Wealth Creation (An Example in Solar Energy Development in India)	Dr. Ramakrishna R. Sonde, Ph.D. 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.	MG Subba Rau Lecture Series held on Monday, March 4 th 2013

GUEST LECTURES DELIVERED BY THE DEPT. FACULTY

Sl.No.	Subject / Topic of the Guest Lecture	Lecture Delivered by (Name & Address)	Place & Event of Lecture Delivered	Dates of Lecture
1	Wastewater treatment plant exposure and health	Gangamma S.	Municipal Corporation of Greater Mumbai	20 th Oct 2012
2	Airborne particulate matter and health	Gangamma S.	NITK Surathkal three day workshop on "Recent Trends in Monitoring, Control and Abatement of Air Pollution"	26 th -28 th Dec 2012
3	Airborne particulate matter and health-inflammation & regulation	Gangamma S.	Environmental Engineering and Management, IIT Kanpur	15 th March 2013
4	Airborne particulate matter induced health effects	Gangamma S.	NITK, Surathkal three day workshop on Cutting edge technology for diesel engine	20-22 nd March 2013
5	Gas - Liquid Contacting Equipment Design	I.Regupathi, Ph.D.	Govt. Engineering College Kozhikode, Series of Invited talks in the area of Chemical Engg. Equipment Design, Modelling and Simulation.	14 th March 2013 (9.30 am to 12.30 pm)

Recognitions/Awards received by Students :-

Ms. Pooja Nanda, M.Tech.(Research) student attended Novartis Biotechnology Leadership Camp (BioCamp 2012) held at Hyderabad during July 30 to August 1, 2012 and SELECTED THE WINNING TEAM MEMBER at the India edition and won a gift of a cheque Rs. 5,000/- and a book Magic Bullet authored by global chairman of Novartis Dr. Daniel Vasella

Ankita Khanna, Ph.D. Scholar SECURED BEST PAPER award in InDACon-2013, held at MNIT Jaipur, 21-22 February 2013, for presentation of paper entitled "Effect of Calcination Conditions on the Solar Photocatalytic Efficacy of Ag@TiO₂ for the degradation of an Azo Dye" authored by Ankita Khanna* and Vidya Shetty K

Sowmya S R, II year M.Tech (Industrial Pollution Control) SECURED 1ST PRIZE in Rasayan 2013 held at MSRIT on 12th April, for presentation of paper entitled "Toxic Acid yellow 17 dye degradation using advanced core-shell Ag@TiO₂ nanoparticles". authored by Sowmya S.R*, Ankita Khanna, Vidya Shetty K.

Sumi Maria Babu, II year M.Tech (Industrial Pollution Control) SECURED 1ST PRIZE in Bovision 2013 National Symposium held at Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala on Feb 4th 2013, for presentation of paper entitled "Biosynthesis of silver nanoparticles using *Cocos nucifera* husk extract" authored by Sumi Maria Babu*, Aishwarya Devadiga, Dr. Vidya Shetty K.

The following B.Tech. students awarded fellowship for their Internship programme:-

ANAND SRINATH G. Final year B.Tech awarded Indian Academy of Sciences Summer Research Fellowship for the project entitled on "synthesis and study of pi-conjugated Metalloles" at Indian Institute of Chemical Technology (IICT), Hyderabad.

ASHWINI NAIRY. Final year B.Tech awarded Indian Academy of Sciences Summer Research Fellowship for the project entitled on "Fluid mixing in lamellar and spiral microchannels" at National Chemical Laboratory, Pune.

ASHWINI NAIRY Final year B.Tech awarded Mitacs Globalink Research fellowship for the project entitled on "Utilization of hemicelluloses from the pre-hydrolysate liquor of kraft-based dissolving pulp production process" at University of New Brunswick, Fredericton, Canada during May 2012 July 2012

CHETANA J GADIYAR Final year B.Tech awarded DAAD Fellowship for the Project entitled on "Analysis of Cathodic Electrochemical Phosphatisation of the Aluminium Silicon Steel for Inactivated Samples" at Max Planck Institut für Eisenforschung, Düsseldorf, Germany. During May 2012 to July 2012.

DEEPIKA M Final year B.Tech awarded Indian Academy of Sciences Summer Research Fellowship for the project entitled on "Synthesis of intermediates used in the development of novel anti thrombotic moieties" at Central Drug Research Institute (CDRI), Lucknow during May 2012- July 2012

DHRUBA JYOTI DEKA Final year B.Tech awarded JNCASR Summer Research Fellowship for the project entitled on "Modeling near surface temperature inversion during daytime above the Arabian Sea during Monsoon" at JNCASR Summer Fellow, 2012

GAGAN N KANGOVI Final year B.Tech awarded Indian Academy of Sciences Summer Research Fellowship for the project entitled on " Polymer Nanoscaffolds for Drug Delivery" at Indian Institute of Science, Education and Research (IISER) – Pune during May-July 2012

PINGE SHUBAM DATTARAM Final year B.Tech awarded Indian National Academy of Engineering Fellowship and Visiting Student Program (RRI) for the project entitled "Novel Micro-Extensional Rheometer" at National Chemical Laboratory (NCL), Pune and Raman Research Institute (RRI), Bangalore

RISHAV MALLICK Final year B.Tech awarded Indian Academy of Sciences Summer Research Fellowship for the project entitled "Understanding and applying foraminifera as paleoclimatological proxy" at NIO Dona Paula, Goa.

Department Of Civil Engineering

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

- **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.

Department of Computer Engineering

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

- **International Conference** on "Advanced Computing, Networking and Security" during 16th - 18th December 2011. Co-ordinator: P. Santhi Thilagam, Ph.D.
- **Five days** AICTE MHRD Sponsored Summer School on "Next Generation Data Management", 13th June - 17th June 2011. Co-ordinator: P. Santhi Thilagam, Ph.D., Mr. Mahendra Pratap Singh
- **Five days** AICTE MHRD Sponsored STTP on "Simulation of Wireless Networks", during 20th- 24th June 2011. Co-ordinator: K. C. Shet, Ph.D., Mr. B. R. Chandavarkar.
- **One day** workshop for school teachers on "Information Security" on 04th February 2012, Co-ordinator: Mr. 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, Ph.D.

- **Three days Workshop on Unix Network Programming – 29th – 31st March 2010**
Co-ordinator: Dr. P. Santhi Thilagam.
- Dr. K. C. Shet and Dr. K. Chandrasekaran received: **"SHIKSHA RATTAN"**.

Students Achievements

- 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.
- 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, Coimbatore under the guidance of Dr. P. Santhi Thilagam.

Achievements during the period of report

Achievements up to 31 st March 2012	Achievements during 1 st April 2012 to 31 st March 2013
	<p>M.Tech.</p> <ul style="list-style-type: none"> ➤ Abhisehk Bansal(11IS01F) published a paper, name "Effectiveness of SIP messages on SIP server" in IEEE conf. on Information and Communication Technology (ICT-2013) on 11th April 2013. ➤ Dipesh M Raghuvanshi(11CS18F) published a paper, "On the Effectiveness of CoDel for Active Queue Management" in Third International Conference on Advanced Computing and Communication Technologies (ACCT) 2013, IEEEExplore, 6-7 April 2013, Rohtak. ➤ Dadhania Maulik Kumar Kishorebhai(11CS05F) published a paper, "Modified RED Algorithm to Improve the Performance of Network Traffic" in Third International Conference on Advanced Computing and Communication Technologies (ACCT) 2013, IEEEExplore, 6-7 April 2013, Rohtak. ➤ John Prakash Veigas(11CS07F) published a journal paper titled "Intrusion Detection as a Service (IDaaS) in an Open Source Cloud Infrastructure", in Cutter IT Journal, March 2013. ➤ Rahul Dutta (11CS19F) published a paper "A Scalable Cloud Platform using Matlab Distributed Computing Server Integrated with HDFS" at International Symposium on Cloud and Service Computing (ISCOS 2012) on 17th December 2012. ➤ John Prakash Veigas(11CS07F) and Nitesh Naik published a IEEE paper titled "IT Service Provisioning by Passing Hints in Module Interfaces", in "International Conference on Advances in Computing and Communications (ICACC)", August 2012. ➤ Rahul Dutta (11CS19F), Sathe Vanaja Vinayak(11IS18F) published a paper, "Image Secret Sharing with an Access Structure" in National Workshop on Cryptology, VIT Vellore on 8th August 2012.

<p>B.Tech.</p> <ul style="list-style-type: none">➤ IEEEExtreme Programming Contest 6.0: Team KodeKallas: Ananthatejas R (09CO12) VIII semester B.Tech. , Suhas G P, Shanshank S is ranked I in India with global rank of 91.➤ Ananthatejas Raghavan and Madhuri Shanbhogue received the Richard E Merwin scholarship from IEEE Computer Society.➤ Team comprising of Chandramouli Sharma(10CO21) VI semester B.Tech., Vivek Yadav, and Madhuri Shanbhogue(09CO47)VIII semester B.Tech., are 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.➤ Prof. V. Rajaraman's Cash award to Abhinit Modi(10CO26),VIII B.Tech.(CSE) 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.).➤ Raghuvanshi Dipesh Madhukar(11CS18F) was selected for Summer Research Fellowship Programme by Indian Academy of Science, Bangalore.

Department of Electronics And Communication Engineering Awards Received

Achievements during the period of report

- 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. Aparna P.
- 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) – University of Applied Sciences, from 1st to 30th November 2012.
- 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.
- Saeed Tulpule attended Summer Internship Programme at ECAM, France from 15th May to 31st July 2012.

Department of Humanities, Social Sciences and Management

Achievements during the period of report

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

Dr. Shashikantha K. and eight students of the MBA programme from the Department of HSSM participated in a faculty and students exchange programme in Switzerland. The programme was under the banner of 'Summer University' at School of Business and Engineering, Vaud (HEIG-VD), Switzerland from 2 to 20 July 2012 as part of MOU, between NITK with HEIG-VD, Switzerland.

Department of Information Technology

Achievements up to 31 st March 2012	Achievements during 1 st April 2012 to 31 st March 2013
-	Ten batches of UG (B.Tech) and One batch of PG (M.Tech) students have successfully completed their graduation in IT stream so far.
-	Around 90% placements in B.Tech during 2012-2013 and 70% placements in M.Tech during 2011-12.

Department of Mining Engineering

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

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 MGMI. 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 repute. The faculty of the Department is also holding important positions like Board of Directors of reputed Public sector undertakings.

Department Of Mechanical Engineering

- A new M. Tech Program in Design and Precision Engg. in collaboration with Central Manufacturing Technology Institute, Bangalore
- New 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
- Collaboration with MNCs to aid research, training and academic activities
- Deputed seven faculty members to pursue PhD at various IIT's.

Achievements during the period of report

Achievements during 1 st April 2012 to 31 st March 2013
➤ Awarded 10 PhD degree
➤ Published 37 papers in international Journals, 3 papers in national journals, 40 papers in international conferences and 6 papers in national conferences
➤ Secured external funded projects worth Rs 79.59 Lakhs
➤ conducted 3 day workshop on "Cutting Edge Technologies for Diesel Engine" on 20-22, March, 2013 for faculties in technical institute.
➤ AVL AST granted the Department with licenses for CFD software tools AVL BOOST and AVL FIRE for internal research and teaching activities.
➤ Six new faculty members joined the department
➤ The students of department fabricated and tested a racing car, participated in BAJAJ SAE India 2013, held at Pithampur, MP on 14-17 Feb, 2013
➤ The department has hosted a zonal round of a Robot Tryst-2013, a national level robotics championship

Department of Metallurgical And Materials Engineering

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

- Accreditation of two PG and one UG programmes for 5 years by NBA
- Produced 4 Ph.Ds.
- Secured Ministry of Steel Scholarship and Professor's Chair
- Published 87 research papers

Achievements during the period of report

Achievements up to 31 st March 2012	Achievements during 1 st April 2012 to 31 st March 2013
Total no. of Ph.Ds = 22	1
Total No. of Paper Published = 288	36

Addition(s) to Building Infrastructure

Department Of Applied Mechanics and Hydraulics

Dr. H. Ramesh, Assistant Professor, Dept of Applied Mechanics and Hydraulics, Served as Visiting Assistant Professor at Asian Institute of Technology, Bangkok, Thailand from January - April, 2013, under faculty secondment programme, MHRD, Govt of India.

Department Civil Engg.

- Proposed for the additional teaching block: Third floor to extended portion of the Department.

Department Of Computer Engg.

- 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.

Department Of Mechanical Engg

CAD/CAM Laboratory has been relocated to the New premises.

Department Of Metallurgical & Materias Engg.

Special talk from Industries/R&D

Sl. No.	Speaker	Topic	Date
1.	Mr. S. C. Balawat General Manager Automotive Axles Ltd., Mysore	The Role of a Metallurgist in Metal Working Industries	13 - 04 -2012
2.	Ravi K. Panagariya, Former Faculty Member, MNIT, Jaipur	Project Management	16-04-2013
3.	Ravi K. Panagariya, Former Faculty Member, MNIT, Jaipur	Production of Sponge Iron and Power Generation from Waste Heat	17-04-2013
4.	Ravi K. Panagariya, Former Faculty Member, MNIT, Jaipur	(a) Team Building (b) Recipes for Success	18-04-2013
5.	Ravi K. Panagariya, Former Faculty Member, MNIT, Jaipur	Production and Properties of Carbon and Graphite	19-04-2013
6.	Ravi K. Panagariya, Former Faculty Member, MNIT, Jaipur	Efficient use of Graphite Electrodes in Electric Arc Furnace Steel Making	20-04-2013
7.	Dr. Rameshwar Sah, Asst. General Manager R&D Department, JSW Steel, Hospet	Process Flow Ironmaking at JSW Steel	5-11-2013
8.	Mr. Debashish Mishra, Asst. General Manager R&D Department, JSW Steel, Hospet	Steelmaking and Continuous Casting	5-11-2013
9.	Dr. C. D. Madhusoodana DGM, BHEL, Bangalroe	Pore Engineering Ceramic and Advanced Materials	13 - 02 - 2013
10.	Dr. Ganesh Raikar Professor of Physics Chief Coordinator for M.Tech & Research SDM Coleege of Engg. & Technology	Materials Engineering and Nanotechnology in Magnetic Recording	05- 02 - 2013

Books published

Dept. Of Applied Mechanics and Hydraulics

Books

1. Kumar Raju and L. Nandagiri . Modeling Regional Actual Evapotranspiration using Satellite Data over Netravathi Basin. LAP Lambert Academic Publishing, ISBN 978-3-8454-0973-3, Paperback, 68 Pages.
2. B. L. McGlynn*, G. Blöschl, M. Borga,, H. Bormann, R. Hurkmans, J. Komma, L. Nandagiri, R.Uijlenhoet, T. Wagener: Contributing authors to Chapter 3 A data acquisition framework for prediction of runoff in ungauged basins in the book Run-off Prediction in Ungauged Basins: A Synthesis Eds. Günter Blöschl, Murugesu Sivapalan, Hubert Savenije and Thorsten Wagener, Cambridge Press, UK (to be released in May 2013)

Educational materials developed : (part of book)

1. Pruthviraj U, Unraveling the mysteries of Fixed wing Micro Air vehicles & bird-like flying Objects (ornithopters). [A brief report on the Experience of Mr Pruthviraj, NITK Surathkal in building & flying RC air vehicles]
2. Pruthviraj U, S S Vathul, Sohan S, Autonomous micro aerial vehicle for coastal zone management, special; issue on Micro & nano air vehicles (aerospace Engineering division, IEL) : published by National design and research forum, The Institute of Engineers (India), Page no: 33-85

CHEMICAL ENGINEERING

Sl. No.	Author(s)*	Title of the Book	Publisher
1.	HN Viswanatha, I Regupathi	Book Chapter on "Fish-Processing Industrial Effluent Characterization and Partitioning of Proteins Using Aqueous Two-Phase System" in "Prospects in Bioscience: Addressing the Issues"	Springer India
2.	Vidya Shetty K. and G.Srinikethan	Book Chapter on " Treatment of refinery effluents for phenol removal in pulsed plate bioreactor with immobilized cells of Nocardia hydrocarbonoxydans"" in "Waste Management for Sustainable Environment"	Lingaraj Patro(ed) Manglam Publishers, India, 2012
3.	Rajeswari M Kulkarni, G.Srinikethan and K Vidya Shetty	Book Chapter on "Biosorption of Nickel(II) from aqueous solution using Bacillus laterosporus" in "Prospects in Bioscience: Addressing the Issues",	Springer India,2012

Dept. Of Mathematical And Computational Sciences

Books published/written during the year:-

A book entitled "APES-USA : Academic Performance Evaluation of Students – Ubiquitous System Analyzed : Letter Grading System is inherently Unfair by its very Design and requires a complete redesign: The Problem is not Grade Inflation", authored by Prof K. P. Halemane was published by CreateSpace.com in October 2012.

Department Of Mechanical Engineering

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

Department Metallurgical And Materials Engg.

1. **Film and Nucleate Boiling Processes**, Ed. **K.N.Prabhu** and N.I. Kobasko, 2012, Pages: 434, ASTM International, PA, ISBN:Z978-0-8031-7520-4
<http://www.astm.org/BOOKSTORE/PUBS/STP1534.htm>
2. **Nanofluids**, Ed. **K.N.Prabhu**, 2012, Pages 196, ASTM International, PA,
<http://www.astm.org/BOOKSTORE/PUBS/STP1567.htm>

Department of Physical Education & Sports

Institute teams were selected, trained, coached and participated in different Taluk, District, State and National level tournaments/Competitions:-

1. Dasara Tournaments: Basketball (Men) District level Runners, Badminton (Women) & (Men) Runners-Up, TT (Men)-Runners-Up.
2. D K District Basketball Association cup Basketball tournament: Runners-Up.
3. 5th BSA Kumar Inter collegiate Basketball tournament conducted by Yenepoya University-Runners-Up.
4. All India Inter NIT Sports held at NIT Thiruchirapalli: Basketball Men & Women-Runners-Up, Handball (Men)-Runners-Up, Tennis (Men)-Runners-Up, and Table Tennis (Men)-Runners-Up.
5. All India Inter NIT Sports held at SVNIT Surat, Football (Men)-Runners-Up and Badminton (Men)-Runners-Up.
6. All India Inter NIT Sports held at NITK Surathkal during, 22nd to 24th March, 2013 Institute Hockey team – First place, Aquatics (Men)- Team Championship First place, Aquatics (Women)-Team Championship-First place and Aquatics Overall Championship First, Ball Badminton (Men & Women)- Second place, and in Athletics Men and Women team won several medals.
7. ‘Slam Dunk’ Basketball Tournament held during the National level cultural Festival ‘Incident’ for the first time our Institute Men team won the tournament.
8. In “REVELS” All India Inter Engineering Collegiate Tournaments organized by MIT, Manipal: Volleyball Women teams were Runners-Up.
9. DK District ‘B’ Division League Football Championship was won by our Institute team for the first time.

20.00 ASSOCIATED CENTRES

20.1 National Institute Of Technology Karnataka (STEP)

NITK-STEP is an entrepreneurial driven, independent, self-sustaining body in the complex of NITK. It caters to the promotion of innovators, techno entrepreneurs, creation and development of technology based companies, enriching innovation, entrepreneurship development and technology based skill enhancement through different support mechanisms and capitalizing on the potential for innovation and techno entrepreneurship in the region for wealth creation to the economy.

Its missions and some of the value adding support services provided to the stakeholders as innovators, entrepreneurs, technologists and financiers are:

Missions:-

- To create healthy start up units through Business Incubation & support to expanding companies
- To capitalize on the Intellectual base at academia to develop and grow competitive business units.
- To grow the spirit of Entrepreneurship & Entrepreneurial thinking through promotion of Entrepreneurship development, Faculty development and Technology based skill enhancement programs.
- To create healthy collaboration among Technologists, Entrepreneurs & Financiers for mutual commercial benefits.
- To reach out to young unemployed youths in the semi urban and rural locations of the region & improve employability through Skill Development Programs.
- To gear up as an important and growing "Out Reach Centre" to interface with innovators & funding bodies for speedy implementation of innovative projects of commercial significance.
- To constantly improve the quality of value added service to our clients and grow as a strong self sustaining entity

Support services to innovators, startups and expanding companies:

- Evaluation of business idea & Development of Business concept.
- Technology support for Product development on specific technology domains
- Infrastructure support for start-ups and expanding companies to test & validate the product/service concept and development of a portfolio of products in an expanding company to sustain competitive advantage.
- Patent filing support.
- Entrepreneurial training, Mentoring, Business forming & business development support
- Target market entry support on select basis
- Seed Capital Support to deserving units.

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

Analysis Of Plan And Non Plan Grants - 2012-13

	<u>Rs. in lakhs</u>
1) Non Plan grants	Rs.3,860.00 lakhs
2) General Plan	Rs.2,361.00 “
3) Project grants & Research Schemes	Rs. 446.52
AICTE grants -	Rs. 20.99
For Nodal Centre,	Rs. 3.09

Rs.6,691.60
=====

SOURCE OF FUNDS

- 1) Ministry of Human Resource Development, New Delhi.
 - Non Plan grants
 - Plan grants
 - Project grants

EXPENDITURE POSITION FOR LAST THREE YEARS

Year	Plan & OBC Plan	Non-Plan	Total Rs. in lakhs
2010-11	5,706.40	4,640.85	10,347.25
2011-12	4,224.94	5,249.38	9,474.32
2012-13	7,031.75	6,475.97	13,507.72
Total :	16,963.09	16,366.20	33,329.29

FINANCE AND ACCOUNTS DETAILS

Balance Sheet as at 31.03.2013

Particulars	Schedule No.	(Amount - Rs.)	
		Current Year	Previous Year
<u>Fund and Liabilities</u>			
Corpus/Capital Fund	1A	2,50,57,47,552	2,57,77,28,548
Capital Fund of Projects and Earmarked funds	IB	23,61,39,916	17,41,88,404
Earmarked/Endowment funds	2	77,03,93,939	53,87,34,673
Secured Loans and Borrowings	3	--	--
Current Liabilities and Provisions	4	25,76,81,952	28,10,00,141
TEQIP Project -Phase I	14	18,42,37,765	18,42,37,765
TEQIP Project-Phase II	15	5,85,98,044	1,91,14,676
Total		4,01,27,99,168	3,77,50,04,207
<u>Assets</u>			
Fixed Assets	5(A)&(B)	2,20,81,49,351	2,18,87,28,327
Investments	6	81,33,05,888	44,33,35,906
Current Assets, Loans, Advances, etc.	7	74,85,08,120	93,95,87,533
TEQIP Project Phase - I	14	18,42,37,765	18,42,37,765
TEQIP Project - Phase II	15	5,85,98,044	1,91,14,676
Total		4,01,27,99,168	3,77,50,04,207

Income and Expenditure Account for the year ended 31.03.2013

(Amount - Rs.)

PARTICULARS	SC.NO.	CURRENT YEAR	PREVIOUS YEAR
<u>INCOME</u>			
Grants/subsidies	8	38,62,38,249	38,86,30,207
Fees/subscriptions	9	20,40,14,622	17,47,49,662
Revenue Receipts	10	7,70,47,970	6,85,98,145
Other Income	11	39,32,190	23,98,944
Other Research Projects		1,63,55,520	1,40,47,865
Total (A)		68,75,88,551	60,84,24,823
<u>EXPENDITURE</u>			
Establishment expenses	12	57,80,27,924	47,55,75,464
Other administrative expenses etc.	13	18,38,78,236	19,15,93,170
Depreciation	5B	23,35,25,138	23,49,31,570
Total (B)		99,54,31,298	90,21,00,204
<u>BALANCE</u>		30,78,42,747	29,36,75,381
(Excess of expenditure over income)(A-B)			

CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

Receipts & Payments for the year ended 31.03.2013

RECEIPTS		Current Year	Previous Year	PAYMENTS		Current Year	Previous Year
<u>Opening Balances:</u>				<u>Expenses</u>			
(a) Cash in hand	1,35,585		1,14,866	(a) Establishment Expenses	47,17,13,003		39,86,06,925
(b) Bank balances				(b) Administrative Expenses	20,36,51,546	67,53,64,548	22,07,64,677
(i) in current accounts	15,34,55,411		18,39,57,943				
(ii) Savings accounts	27,06,17,162	42,42,08,158	29,61,46,293	<u>Payments made against Funds for various projects:</u>		81,58,48,734	1,19,14,52,775
<u>Grants Received:</u>				<u>Expenditure on Fixed Assets & Capital Work -in - progress:</u>			
(a) From Govt. of India & other		67,86,67,128	72,65,90,780			23,30,76,789	26,15,25,832
<u>Income on Investments</u>		1,58,79,163	1,73,53,565	<u>Other Payments:</u>		43,61,51,503	12,35,70,082
<u>Interest received :</u>		1,02,39,415	61,87,420	<u>Any other Payments:</u>		1,75,92,85,138	75,00,04,237
<u>Other Income:</u>		27,18,97,155	23,33,47,880	<u>Closing Balances:</u>			
<u>Any other receipts:</u>		2,58,44,16,460	1,90,64,33,939	(a) Cash in hand		80,336	1,35,585
				(b) Bank balances			
				(i) In current accounts		1,47,15,776	15,34,55,411
				(ii) Savings accounts		5,07,84,655	27,06,17,162
TOTAL		3,98,53,07,479	3,37,01,32,686	TOTAL		3,98,53,07,479	3,37,01,32,686