

1 THE INSTITUTE

1.1 HISTORICAL BACKGROUND

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

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

1.2 LOCATION

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

1.3 CAMPUS

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

2 GOVERNANCE & ADMINISTRATION

2.1 ADMINISTRATION

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

COUNCIL, BOG AND OTHER COMMITTEES

COUNCIL OF NITs

1.	Minister of HRD, Government of India	Chairman
2.	Education Secretary, Ministry of HRD, Government of India	Member
3.	The Chairperson of National Institute of Technology Karnataka, Surathkal	Member
4.	Director of National Institute of Technology Karnataka, Surathkal	Member
5.	Chairman, UGC	Member
6.	Chairman, All India Council for Technical Education	Member
7.	Director, General, Council for Scientific and Industrial Research	Member
8.	Secretary, Department of Bio-Technology, Government of India	Member
9.	Secretary, Department of Atomic Energy, Government of India	Member
10.	Secretary, Department of Information Technology, GOI	Member
11.	Secretary, Department of Space, Government of India	Member
12.	Not less than three but not more than five persons to be nominated by the Visitor, at least one of whom shall be a 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 till 24.07.2014
2	Ms. Vanitha Narayanan, Managing Director, IBM India Private Limited Embassy Golf Links Business Park, Block A, Off Indiranagar, Koramangala Intermediate Ring Road Bangalore – 560 071	Chairperson from 31.10.2014
3	Sri Mudda Kedarnath, Advisor – Aditya Birla Group, #17, Shankar Nilaya,	Member till 24.07.2014

8th Main , 18th Cross,
Upper Palace Orchard,
Sadashivnagar,Bangalore-560080.

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|----|---|------------------------|
| 4 | P.Dayanand Pai,
Managing Director,
Century Building Industries Private Limited,
Palace Road,Bangalore -560 052. | Member till 24.07.2014 |
| 5 | Additional Secretary,
Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education Bureau
Shastri Bhavan, New Delhi – 110 001 | Member |
| 6 | Joint Secretary and Financial Advisor,
Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education Bureau
Shastri Bhavan, New Delhi – 110 001 | Member |
| 7 | 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. | Member till 24.07.2014 |
| 8 | Padma Bhushan Prof. (Dr.) B.M.Hegde,
Former Vice- Chancellor, Manipal University,
Manjunath, Pais Hills,
Bejai- Mangalore- 575004. | Member till 24.07.2014 |
| 9 | Gopal Mugeraya, Ph.D.
Professor, Dept. of Chemical Engineering,
NITK, Surathkal. | Member till 21.09.2014 |
| 10 | Badekai Ramachandra Bhat, Ph.D.
Professor, Department of Chemistry,
NITK, Surathkal. | Member from 20.10.2014 |
| 11 | Sri Vinay Kumar,
Associate Professor,
Dept. of Computer Science & Engineering,
NITK, Surathkal. | Member |
| 12 | Swapan Bhattacharya, Ph.D.
Director,N.I.T.K. SURATHKAL. | Member |
| 13 | K.Ravindranath
Registrar, N.I.T.K., SURATHKAL | Secretary |

FINANCE COMMITTEE

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|---|---|--------------------------------|
| 1 | Sri Sushil Chandra Tripathi,
Former Secretary, Ministry of HRD,
House No: 27, Sector 15- A,
Noida – 201301(Uttar Pradesh) | Chairman till 24.07.2014 |
| 2 | Ms. Vanitha Narayanan,
Managing Director,
IBM India Private Limited
Embassy Golf Links Business Park,
Block A, Off Indiranagar,
Koramangala Intermediate Ring Road
Bangalore – 560 071. | Chairperson from
31.10.2014 |
| 3 | Sri Mudda Kedarnath,
Advisor – Aditya Birla Group,
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Upper Palace Orchard,
Sadashivnagar, Bangalore-560080. | Member till 24.07.2014 |
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Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education
Bureau Shastri Bhavan, New Delhi – 110 001 | Member |
| 5 | Joint Secretary and Financial Advisor,
Ministry of Human Resource Development,
Dept. of Higher Education, Technical Education Bureau
Shastri Bhavan, New Delhi – 110 001 | Member |
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| 7 | Badekai Ramachandra Bhat, Ph.D.
Professor, Department of Chemistry,
NITK, Surathkal. | Member from 20.10.2014 |
| 8 | Swapan Bhattacharya, Ph.D.
Director,
N.I.T.K. SURATHKAL. | Member |
| 9 | K.Ravindranath
Registrar
N.I.T.K., Surathkal | Member Secretary |

BUILDING AND WORKS COMMITTEE

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|----|--|----------|
| 1. | Swapan Bhattacharya, Ph.D.
Director,
N.I.T.K., Surathkal,
Post Srinivasnagar-575 025. | Chairman |
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| 2. | K Uday,
Principal Chief Architect,
PW, P and IWTD, State PWD
K R Circle, Bangalore – 560 001 | Member |
| 3. | M C Narasimhan, Ph.D.
Dean (P&D),
NITK, Surathkal, Mangaluru – 575 025 | Member |
| 4. | Vellaichamy V
Superintending Engineer (Civil), CPWD,
Mysore Central Circle, T Narasipura Road,
Siddarthnagar, Mysore – 570 011 | Member |
| 5. | Kedar Ram
Superintending Engineer (Ele), CPWD
Bangalore Central Electrical Circle,
Kendriya Sadana, Koramangala, Bengaluru – 560 034 | Member |
| 6. | K Ravindranath
Registrar
NITK, Surathkal,
Post Srinivasnagar,
Mangalore-575 025 | Member Secretary |

OTHER COMMITTEES

SENATE

Swapan Bhattacharya, Ph.D.	...	Chairman
K Ravindranath	...	Secretary

Members

S. Parasuraman - External Member
Pahlada - External Member
V.Shubha - External Member
A. Kandaswamy, Ph.D.
A. Mahesha, Ph.D.
A. Nityananda Shetty, Ph.D.
A. Vittal Hegde, Ph.D.
A. Chitharanjan Hegde, Ph.D.
A.H. Sequeira, Ph.D.
A.O. Surendranathan, Ph.D.
A.U. Ravi Shankar, Ph.D.
G. Srinikethan, Ph.D.
G.Umesh, Ph.D.
Gopal Mugeraya, Ph.D.
H.D. Shashikala, Ph.D.
John D'Souza, Ph.D.
K. Chandrasekaran, Ph.D.
K. N. Prabhu, Ph.D.
K. Rajendra Udupa, Ph.D.
K.S. Babu Narayan, Ph.D.

A.V. Adhikari, Ph.D.
Ananthanarayana V.S. , Ph.D.
Annappa, Ph.D.
Arun M, Ph.D.
B. Ramachandra Bhat, Ph.D.
Ch. S.N. Murthy, Ph.D.
D. Venkata Reddy, Ph.D.
D.Krishna Bhat, Ph.D.
D.V.R. Murthy, Ph.D.
Dwarakish G.S. , Ph.D.
G. K. Shiva Kumar, Ph.D.
G. Ram Mohana Reddy, Ph.D.
G.C. Mohan Kumar, Ph.D.
Gangadharan K.V. , Ph.D.
H. Suresh Hebbar, Ph.D.
Jagannath Nayak, Ph.D.
K.B.Kiran, Ph.D.
K. K. Appu Kuttan, Ph.D.
K. Panduranga Vittal, Ph.D.
K.N. Lokesh, Ph.D.

Kasturi V. Bangera, Ph.D.	K. Swaminathan, Ph.D.
Keshava Prasad Halemane, Ph.D.	Katta Venkataramana, Ph.D.
M. Govinda Raj , Ph.D.	Kiran G.Shirlal, Ph.D.
M.C. Narasimhan, Ph.D.	M.B. Saidutta, Ph.D.
M.S. Bhat, Ph.D.	M.K. Nagaraj, Ph.D.
Murulidhar N.N, Ph.D.	Muralidhar Kulkarni, Ph.D.
N.K. Udayashankar, Ph.D.	N. Lakshman, Ph.D.
P. Mohanan, Ph.D.	Narendranath S, Ph.D.
R. Shivashankar, Ph.D.	Prasad Krishna, Ph.D.
S. Shrihari, Ph.D.	Ravikiran Kadoli, Ph.D.
S.M. Hegde, Ph.D.	S. Sumam David, Ph.D.
Santosh George, Ph.D.	S.M. Kulkarn, Ph.D.
Sitaram Nayak, Ph.D.	Shrikantha S Rao, Ph.D.
Subhas C. Yaragal, Ph.D.	Subba Rao, Ph.D.
U. Sripati, Ph.D.	T.P. Ashok Babu, Ph.D.
V. Rama Sastry, Ph.D.	Udayakumar R.Y , Ph.D.
Vidya Shetty, Ph.D.	Varghese George, Ph.D.
Sri Jora M Gonda, Ph.D.	Vijay Desai, Ph.D.
Smt. Anusuya Chakari, Ph.D.	Sri P.G. Mohanan
Mr. Karthik Sreenivasan... Spl. Invitee	Mr. Akash Omer Spl. Invitee

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

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

QUARTERS ALLOTMENT COMMITTEE

1.	Swapan Bhattacharya, Ph.D., Director from 1.8.2012	President
2.	A Kandasamy, Ph.D., from 18.1.2013	Chairman
3.	Gopal Mugeraya, Ph.D.BOG Member till 25.11.2013	Member
4.	Vinay Kumar, BOG Member from 25.11.2013	Member
5.	M K Nagaraj, R. E. i/c from 9.7.2014	Member
6.	K Ravindranath, Registrar fom 9.03.2015	Member
7.	Laxminidhi T, Ph.D.	Member
8.	C.Vairavanathan, Asst. Executive Engineer	Member
9.	H.D. Shashikala, Ph.D.	Member
10.	Basavaraju Manu, , Ph.D. from 21.5.2014	Member Secretary

INSTITUTE GRIEVANCE COMMITTEE

1.	A Nithyananda Shetty, Ph.D., from 30.1.2013	Chairman
2.	K.R. Udupa, Ph.D., Professor, Dept. of Met. & Mat. Engg.	Member
3.	A.C. Hegde, Ph.D., Asst. Professor, Dept. of Chemistry	Member
4.	N.S.V. Shet, Ph.D., Dept. of E&C Engg.	Member
5.	Pushpalatha, Foreman, Dept. of E&C Engg.	Member
6.	Shashikala D.K., Supdt., Purchase Section	Member
7.	K. Varija, Ph.D., Asso. Professor, Applied Mechanics	Member
8.	K Ravindranath, Registrar, from 12.11.2012	special Invitee
9.	Ram Mohan Y, Dy. Registrar (A/cs)	special Invitee

SECURITY COMMITTEE

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

LIBRARY ADVISORY COMMITTEE

1.	D V R Murthy, Ph.D.	Chairman
2.	Anasuya C Chakari	Secretary
3.	Iranna M Shettar	Library
4.	Arun Kumar Thalla	Civil
4.	Amba Shetty, Ph.D.	Applied Mechanics and Hydraulics
5.	Anish S, 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.	S B Arya, Ph.D.	Metallurgical And Materials Engg.
10.	Jeny Rajan, Ph.D.	Computer Engg.
11.	Ch. S. N. Murthy, Ph.D.	Mining Engg.
12.	B R Shankar, Ph.D.	MACS Dept.
13.	Partha Prathim Das, Ph.D.	Physics
14.	A C Hegde, Ph.D.	Chemistry
15.	Bijuna C Mohan, Ph.D.	Humanities
16.	Sowmya Kamath	Information Technology

SPORTS ADVISORY COMMITTEE

1.	Dean (Students' Welfare)	Chairman
2.	Dean (P & D)	Member
3.	Dean (F.W.)	Member
4.	Dean (AA & IR)	Member
5.	Chief Warden	Member
6.	Dy. Registrar (A/cs.)	Member
7.	Resident Engineer	Member
8.	Nithyananda Shetty	Member
9.	Vijay Desai	Member
10.	K.B.Kiran	Member
11.	Doddamani B.M	Member
12.	Jagannath Nayak	Member
13.	Prasanna B.D	Member
14.	Sam Johnson. P	Member
15.	Hemanth Kumar	Member
16.	Ram Prasad Choudhary	Member
17.	Bijuna Mohan	Member
18.	Kalpana Bhat	Member
19.	Students' Council President	Member
20.	Girls Representatives	Member
21.	R.C. Convener	Member
22.	All Captains	Members
23.	Physical Director/Asst. P D	Member-Secretary

NITK HEALTH CARE COMMITTEE

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

COMPLAINTS COMMITTEE

1.	Dr. Devatha	Member
2.	Dr. Aruna	Member
3.	Mr. Yogesh	Member
4.	Mrs. Parvathi	Member
5.	Mrs. Anusya	Member
6.	Mrs. Manjula V Prasad, Secretary, Urja, Udupi	NGO Member

3 DIVISIONS & DEPARTMENTS

I. Division of Civil Engineering Systems

Departments:

- Applied Mechanics & Hydraulics (AM)
- Civil Engineering (CV)
- Mining Engineering (MN)

II. Division of Electrical, Electronics & Computing System

Departments:

- Computer Engineering (CO)
- Electronics & Communication Engineering (EC)
- Electrical & Electronics Engineering (EE)
- Information Technology (IT)

III. Division of Mechanical & Chemical Systems

Departments:

- Chemical Engineering (CH)
- Mechanical Engineering (ME)
- Metallurgical & Materials Engineering (MT)

IV. Division of Basic Sciences, Humanities, Social Sciences & Management Systems

Departments:

- Chemistry (CY)
-
- Humanities, Social Sciences & Management (HU)
- Mathematical & Computational Sciences (MA)
- Physics (PH)

4 ACADEMIC PROGRAMMES

4.1 PROGRAMMES OFFERED

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

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

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

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

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

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

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

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

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

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

4.2 ACADEMIC CALENDAR

Sl. No.	Academic Year	Programmes	Admission Commenced on	Admission closed on
1.	2014-15	B.Tech.	14.07.2014	21.08.2014
2.	2014-15	M.Tech./M.Tech. by Research	30.06.2014	13.08.2014
3.	2014-15	MCA	17.07.2014	14.08.2014
4.	2014-15	M.B.A.	19.05.2014	14.08.2014
5.	2014-15	M.Sc. (Physics & Chemistry)	16.06.2014	21.07.2014
6.	2014-15	Ph.D.	14.07.2014	28.07.2014
	(July Session)			
	December Session	Ph.D.	24.12.2014	19.01.2015

5 ADMISSION POLICIES

5.1 ADMISSION PROCEDURE

B. Tech.:-

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

M.Tech -GATE/Scholarship seats:-

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

After CCMT allotment of seats, the vacant and unfilled seats were filled in Spot admission on 28.07.2014 at NITK, Surathkal for the GATE candidates on merit basis.

M.Tech. (Sponsored Seats/Research):-

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

M.C.A.:-

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

M.B.A.:-

Selection was based CAT score and performance in the qualifying exam and Interview.

M.Sc (Chemistry & Physics):-

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

Ph.D. Programme:

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

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

6 ADMISSIONS FOR 2014-15

6.1 The number of candidates admitted are as follows:

I. B.Tech.

1	Admission through JEE (Main) Rank	724
2	G.O.I. Nominee- through Ministry of External Affairs (Education & Welfare)	06
3	DASA Scheme	106
Total		836

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	523
2	Sponsored candidates	06
3	Admission under Indian Navy Sponsored	01
4	Admission under DASA Scheme	04
5	QIP candidates	03
6	L&T Sponsored Candidates	30
Total		567

M.Tech. (By Research)

1	GATE qualified with Scholarship	14
2	Non Scholarship	08
3	Internal Registrants	02
4	External Registrants	04
Total		28

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. Agartala. A Total 89 candidates admitted were as follows:-

OP	46
OBC	25
SC	12
ST	06
Total	89

IV M.B.A.:

Selection of candidates were made on the basis of CAT 2013 among candidates applied to NITK Surathkal, Group Discussion and Interview. A Total 36 candidates were admitted as follows:-

OP	32
OBC	02
SC	02
ST	00
Total	36

V. M.Sc (Chemistry & Physics)

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

i. M.Sc (Chemistry)

OP	13
OBC	07
SC	03
ST	02
Total	25

ii M.Sc (Physics)

OP	13
OBC	07
SC	00
ST	02
Total	22

VI. Ph.D. Programme:

OP	76
OBC	29
SC	13
ST	07
QIP	02
Sponsored	01
Non Scholarship/Non Sponsored	
Non Sponsored	01
Admission Under Visvesvaraya Ph.D. Scheme	05
Total	134

External Registrants (Part Time)

OP	11
OBC	04
Total	15

A total number of 836 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

B.Tech. Students Strength for the year 2014-15.

B.Tech I Year	SC			ST			OBC			DASA			MEA			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
Civil Engg	13	1	14	5	2	7	18	5	23	7	6	13	1	0	1	36	9	45	80	23	103
Mechanical Engg.	20	0	20	10	0	10	37	0	37	22	1	23	0	0	0	65	3	68	154	4	158
Electrical & Electronics Engg.	10	4	14	6	0	6	20	6	26	10	4	14	1	2	3	33	14	47	80	30	110
Electronics & Communication Engg.	9	5	14	4	3	7	21	4	25	12	5	17	1	0	1	35	12	47	82	29	111
Chemical Engg.	5	2	7	4	0	4	6	6	12	5	4	9	0	0	0	14	5	19	34	17	51
Metallurgical & Materials Engg.	4	3	7	2	2	4	10	2	12	0	0	0	0	0	0	13	8	21	29	15	44
Mining Engg.	6	0	6	4	0	4	11	1	12	1	0	1	0	0	0	18	1	19	40	2	42
Computer Engg.	7	7	14	6	0	6	20	4	24	11	4	15	1	0	1	28	18	46	73	33	106
Information Technology	8	5	13	3	2	5	14	13	27	6	5	11	0	0	0	24	20	44	55	45	100
Total	82	27	109	44	9	53	157	41	198	74	29	103	4	2	6	266	90	356	627	198	825

Branch (II Year B.Tech.)	SC			ST			OBC			DASA			MEA			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
Civil Engg	13	1	14	6	1	7	17	5	22	8	6	14	1	0	1	33	5	38	78	18	96
Mechanical Engg.	19	1	20	9	0	9	38	1	39	18	0	18	1	0	1	68	1	69	153	3	156
Electrical & Electronics Engg.	14	0	14	4	2	6	24	3	27	7	4	11	0	1	1	32	14	46	81	24	105
Electronics & Communication Engg.	12	2	14	5	2	7	20	5	25	13	3	16	0	1	1	37	11	48	87	24	111
Chemical Engg.	6	1	7	3	0	3	7	2	9	4	4	8	0	0	0	19	3	22	39	10	49
Metallurgical & Materials Engg.	6	0	6	3	1	4	6	5	11	0	1	1	0	0	0	16	3	19	31	10	41
Mining Engg.	7	0	7	4	0	4	11	0	11	0	0	0	0	0	0	18	1	19	40	1	41
Computer Engg.	11	2	13	7	0	7	21	4	25	11	5	16	0	1	1	33	13	46	83	25	108
Information Technology	5	9	14	5	1	6	20	7	27	5	5	10	0	0	0	28	16	44	63	38	101
TOTAL	93	16	109	46	7	53	164	32	196	66	28	94	2	3	5	284	67	351	655	153	808

Branch (III Year B.Tech.)	SC			ST			OBC			DASA			GOI			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
Civil Engg	10	2	12	5	2	7	22	3	25	8	5	13	1	0	1	37	5	42	83	17	100
Mechanical Engg.	16	1	17	8	1	9	38	1	39	13	1	14	2	0	2	70	3	73	147	7	154
Electrical & Electronics Engg.	12	2	14	5	1	6	24	2	26	11	0	11	1	1	2	35	12	47	88	18	106
Electronics & Communication Engg.	10	4	14	5	2	7	25	0	25	13	1	14	0	1	1	42	3	45	95	11	106
Chemical Engg.	3	3	6	3	1	4	11	1	12	5	2	7	0	0	0	18	5	23	40	12	52
Metallurgical & Materials Engg.	7	0	7	4	0	4	10	1	11	0	0	0	0	0	0	14	5	19	35	6	41
Mining Engg.	6	1	7	3	0	3	11	1	12	0	0	0	0	0	0	17	1	18	37	3	40
Computer Engg.	10	3	13	5	1	6	19	6	25	10	3	13	0	2	2	39	6	45	83	21	104
Information Technology	13	1	14	6	1	7	24	3	27	5	4	9	0	0	0	34	12	46	82	21	103
TOTAL	87	17	104	44	9	53	184	18	202	65	16	81	4	4	8	306	52	358	690	116	806

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	12	2	14	7	1	8	22	1	23	11	0	11	1	0	1	1	0	1	43	5	48	97	9	106
Mechanical Engg.	17	1	18	10	1	11	35	0	35	14	0	14	2	0	2	0	0	0	70	1	71	148	3	151
Electrical & Electronics Engg.	12	2	14	6	0	6	20	4	24	7	6	13	1	0	1	0	0	0	41	6	47	87	18	105
Electronics & Communication Engg.	10	3	13	6	1	7	21	4	25	14	0	14	0	2	2	0	0	0	44	3	47	95	13	108
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	6	1	7	9	1	10	0	0	0	0	0	0	0	0	0	16	1	17	41	3	44
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
Information Technology	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	98	14	112	53	6	59	164	27	191	70	13	83	5	3	8	1	0	1	326	37	363	717	100	817

M.Tech. Students Strength for the year 2014-15**M.Tech. Students Strength for the year 2014-15**

M.Tech (I Year)	SC			ST			OBC			QIP			DASA			Sponsored			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	T	M	F	To	M	F	To	M	F	To
Structural Engg.	3	1	4	2	0	2	5	2	7	0	1	1	0	0	0	1	0	1	7	4	11	18	8	26
Geotechnical Engg.	1	1	2	1	0	1	2	1	3	0	0	0	0	0	0	0	1	1	2	5	7	6	8	14
Environmental Engg.	3	1	4	2	0	2	3	4	7	0	0	0	0	0	0	0	1	1	5	6	11	13	12	25
Transportation Systems Engg.	3	1	4	1	0	1	5	2	7	0	0	0	0	0	0	0	0	0	7	6	13	16	9	25
Construction Technology & Mgt.	4	0	4	1	0	1	6	1	7	0	0	0	0	0	0	25	5	30	11	1	12	47	7	54
Marine Structures	4	0	4	1	0	1	5	2	7	0	0	0	0	0	0	0	0	0	10	2	12	20	4	24
Water Resources Engg. & Management	2	0	2	0	1	1	2	2	4	0	1	1	0	0	0	0	0	0	4	3	7	8	7	15
Remote Sensing & GIS	3	0	3	0	1	1	4	3	7	0	0	0	0	0	0	0	0	0	7	6	13	14	10	24
Thermal Engg.	2	0	2	1	0	1	4	0	4	0	0	0	1	0	0	0	0	0	7	0	7	15	0	15
Mechatronics Engg.	4	0	4	2	0	2	7	0	7	0	0	0	0	0	0	0	0	0	11	1	12	24	1	25
Manufacturing Engg.	2	0	2	1	0	1	3	1	4	0	0	0	0	0	0	1	0	1	5	2	7	12	3	15
Design and Precision Engg.	2	0	2	1	0	1	3	0	3	0	0	0	0	0	0	1	0	1	6	1	7	13	1	14
Power & Energy Systems	4	0	4	1	1	2	5	2	7	0	0	0	0	0	0	0	0	0	7	6	13	17	9	26
VLSI Design	3	1	4	2	0	2	3	3	6	0	0	0	1	0	1	0	0	0	9	2	11	18	6	24
Communication Engg.	3	1	4	1	1	2	5	2	7	0	0	0	1	0	1	1	1	2	9	4	13	20	9	29
Chemical Plant Design	1	0	1	0	0	0	1	3	4	0	0	0	0	0	0	0	0	0	3	3	6	5	6	11
Industrial Pollution Control	0	0	0	0	0	0	4	3	7	0	0	0	0	0	0	0	0	0	5	7	12	9	10	19
Industrial Biotechnology	1	2	3	1	0	1	2	5	7	0	0	0	0	0	0	0	0	0	4	9	13	8	16	24
Process Metallurgy	2	0	2	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	6	1	7	11	2	13
Materials Engg.	4	0	4	2	0	2	7	0	7	0	0	0	0	0	0	0	0	0	11	0	11	24	0	24
Nanoscience & Nanotechnology	0	2	2	1	0	1	3	0	3	0	0	0	0	0	0	0	0	0	4	2	6	8	4	12
Computer Science & Engg	4	0	4	1	1	2	5	2	7	0	0	0	1	0	1	0	0	0	7	5	12	18	8	26
Computer Science & Engg. - Information Security	3	0	3	1	1	2	7	0	7	0	0	0	0	0	0	0	0	0	10	2	12	21	3	24
Computational Mathamatics	0	0	0	1	0	1	3	4	7	0	1	1	0	0	0	0	0	0	8	5	13	12	10	22
INFORMATION TECHNOLOGY	2	0	2	2	0	2	6	1	7	0	0	0	0	0	0	0	0	0	7	5	12	17	6	23
TOTAL	60	10	70	26	6	32	103	44	147	0	3	3	4	0	4	29	8	37	172	88	260	394	159	553

M.Tech (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	T	M	F	To	M	F	To	M	F	To
Structural Engg.	4	0	4	2	0	2	5	2	7	0	0	0	0	0	0	0	0	0	0	1	1	11	1	12	22	4	26
Geo-Technical Engg.	1	1	2	1	0	1	2	2	4	0	0	0	0	0	0	0	0	0	1	0	1	2	4	6	7	7	14
Environmental Engg.	2	2	4	1	0	1	4	3	7	0	0	0	0	0	0	0	0	0	0	0	0	8	4	12	15	9	24
Transportation Systems Engg.	3	0	3	1	1	2	3	4	7	0	0	0	0	0	0	0	0	0	0	0	0	8	5	13	15	10	25
Construction Technology & Mgt.	4	0	4	1	0	1	7	0	7	0	0	0	0	0	0	0	0	0	1	0	1	12	1	13	25	1	26
Marine Structures	4	0	4	1	0	1	7	0	7	0	0	0	0	0	0	0	0	0	1	0	1	11	1	12	24	1	25
Water Resources Engg. & Management	1	1	2	1	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6	6	6	12
Remote Sensing & GIS	1	0	1	0	0	0	4	3	7	0	0	0	0	0	0	0	0	0	0	0	0	7	5	12	12	8	20
Thermal Engg.	2	0	2	0	0	0	4	0	4	0	0	0	1	0	1	1	0	1	0	1	1	7	0	7	15	1	16
Mechatronics Engg.	3	0	3	1	0	1	6	0	6	0	0	0	1	0	1	0	0	0	1	0	1	11	2	13	23	2	25
Manufacturing Engg.	2	0	2	1	0	1	3	1	4	0	0	0	0	0	0	0	0	0	1	0	1	7	0	7	14	1	15
Design and Precision Engg.	0	0	0	1	0	1	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6	11	0	11
Power & Energy Systems	1	2	3	1	0	1	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	10	2	12	18	4	22
VLSI Design	4	0	4	2	0	2	5	1	6	0	0	0	0	0	0	0	0	0	0	0	0	9	1	10	20	2	22
Communication Engg.	2	1	3	2	0	2	4	2	6	0	0	0	0	0	0	0	1	1	0	0	0	9	1	10	17	5	22
Chemical Plant Design	1	0	1	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	4	3	7
Industrial Pollution Control	1	0	1	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	3	11	14	7	12	19
Industrial Biotechnology	0	1	1	0	0	0	3	4	7	0	0	0	0	0	0	0	0	0	0	0	0	2	10	12	5	15	20
Process Metallurgy	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7	9	0	9
Materials Engg.	4	1	5	1	0	1	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	13	1	14	23	2	25
Nanoscience & Nanotechnology	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8	10	0	10
Computer Science & Engg	4	0	4	2	0	2	5	1	6	1	0	1	0	0	0	0	0	0	0	0	0	7	5	12	19	6	25
Computer Science & Engg. - Information Security	3	0	3	2	0	2	6	1	7	0	0	0	0	0	0	0	0	0	0	0	0	8	3	11	19	4	23
Systems Analysis & Computer Applications	4	0	4	1	1	2	3	0	3	0	0	0	1	1	2	0	0	0	0	0	0	10	4	14	19	6	25
INFORMATION TECHNOLOGY	3	1	4	1	0	1	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0	6	3	9	15	6	21
TOTAL	55	10	65	23	2	25	99	30	129	1	0	1	3	1	4	1	1	2	5	2	7	187	69	256	374	115	489

M.Tech Research	SC			ST			OBC			SPON			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	T	M	F	To	M	F	To
CIVIL ENGG : Structural Engg.	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	2
Geo-Technical Engg.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Transportation Systems Engg.	0	0	0	0	0	0	0	1	1	0	0	0	2	0	2	2	1	3
Construction Technology & Mgt.	0	0	0	0	0	0	1	0	1	0	0	0	0	2	2	1	2	3
APPLIED MECHANICS & HYDRAULICS:- Marine Structures	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Water Resources Engg. & Management	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Remote Sensing & GIS	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	2	1	3
MECHANICAL ENGG :- Thermal Engg.	1	0	1	0	0	0	1	0	1	0	0	0	3	0	3	5	0	5
Mechatronics Engg.	0	0	0	0	0	0	0	0	0	1	0	1	2	2	4	3	2	5
Manufacturing Engg.	0	0	0	0	0	0	1	0	1	0	0	0	3	0	3	4	0	4
Design and Precision Engg.	0	0	0	0	0	0	2	0	2	1	0	1	1	0	1	4	0	4
ELECTRICAL & ELECTRONICS ENGG:- Power & Energy Systems	0	0	0	0	0	0	0	0	0	1	0	1	3	0	3	4	0	4
ELECTRONICS & COMMUNICATION ENGG:- VLSI Design	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	4	0	4
Communication Engg.	0	0	0	0	0	0	1	0	1	0	0	0	1	1	2	2	1	3
CHEMICAL ENGG:- Chemical Plant Design	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5	3	2	5
Industrial Pollution Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Industrial Biotechnology	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
Materials Engg.	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
Nanoscience & Nanotechnology	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
MINING:- Rock Exavation Technology & Mgt.	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
COMPUTER ENGG:- Computer Science & Engg	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2	1	2	3
Computer Science & Engg. - Information Security	1	0	1	0	0	0	0	0	0	0	0	0	1	1	2	2	1	3
TOTAL	2	0	2	0	0	0	8	2	10	3	0	3	30	17	47	43	19	62

MCA Students Strength for the year 2014-15

Year	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I Year	4	7	11	3	3	6	15	10	25	29	17	46	51	37	88
II YEAR	11	3	14	4	3	7	22	1	23	38	9	47	75	16	91
III YEAR	9	4	13	4	1	5	20	5	25	28	12	40	61	22	83
TOTAL	24	14	38	11	7	18	57	16	73	95	38	133	187	75	262

MBA Students Strength for the year 2014-15

Year	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	1	1	2	0	0	0	1	1	2	27	6	33	29	8	37
II YEAR	1	0	1	1	0	1	1	2	3	17	6	23	20	8	28
TOTAL	2	1	3	1	0	1	2	3	5	44	12	56	49	16	65

M.Sc(Chemistry) Students Strength for the year 2014-15

YEAR	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	2	1	3	1	1	2	3	4	7	2	10	12	8	16	24
II YEAR	0	0	0	1	1	2	0	5	5	2	10	12	3	16	19
TOTAL	2	1	3	2	2	4	3	9	12	4	20	24	11	32	43

M.Sc(Physics) Students Strength for the year 2014-15

YEAR	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	0	0	0	2	0	2	2	5	7	2	11	13	6	16	22
II YEAR	2	0	2	0	0	0	4	3	7	4	8	12	10	11	21
TOTAL	2	0	2	2	0	2	6	8	14	6	19	25	16	27	43

Ph.D. Students Strength

Branch	SC			ST			OBC			QIP			TEQIP			OTHER*			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
Civil	4	1	5	2	0	2	5	1	6	2	0	2	0	1	1	0	0	0	19	17	36	32	20	52
App. Mechanics	3	0	3	0	0	0	2	1	3	1	0	1	0	1	1	2	0	2	30	6	36	38	8	46
Mechanical	10	0	10	2	0	2	13	2	15	3	0	3	1	0	1	1	0	1	66	4	70	96	6	102
E&E	6	0	6	2	0	2	3	1	4	0	0	0	0	0	0	0	0	0	20	4	24	31	5	36
E&C	1	0	1	2	0	2	4	0	4	1	1	2	1	0	1	0	0	0	14	6	20	23	7	30
Chemical	2	3	5	0	1	1	2	1	3	1	1	2	0	0	0	0	0	0	9	14	23	14	20	34
Metallurgy	3	0	3	1	0	1	5	1	6	0	0	0	0	0	0	0	0	0	18	5	23	27	6	33
Mining	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0	2	0	2	10	1	11	15	1	16
Computer	3	1	4	0	1	1	1	1	2	2	2	4	0	0	0	0	0	0	10	5	15	16	10	26
Information Technology	2	0	2	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	8	2	10	12	2	14
Physics	0	0	0	0	0	0	7	1	8	0	0	0	0	0	0	0	0	0	22	10	32	29	11	40
Chemistry	0	0	0	2	0	2	6	5	11	0	0	0	0	0	0	0	0	0	13	9	22	21	14	35
MACS	1	0	1	1	0	1	1	3	4	0	0	0	0	0	0	0	2	2	10	7	17	13	12	25
Humanities	0	3	3	1	0	1	3	1	4	0	0	0	0	0	0	0	0	0	8	9	17	12	13	25
Total	37	8	45	14	2	16	53	18	71	11	4	15	2	2	4	5	2	7	257	99	356	379	135	514

6.3 ADMISSION STATISTICS Undergraduate Programmes – B.Tech.
Particulars of sanctioned intake and admissions made during 2014-15

Sl. No.	Courses offered	Sanctioned intake			Total	Admissions made to Undergraduate Programmes								Total Admis- sion
		Normal Intake	G.O.I. Nominees*	D.A.S.A. (Direct Admission of Students Abroad)		Normal Intake					G.O.I. Nominees*	D.A.S.A. (Direct Admission of Students Abroad)		
						SC	ST	OBC	PWD	OP				
1	Civil Engineering	92	3	16	111	14	7	23	3OP 1OBC	43	1	13	105	
2	Mechanical Engineering	139	3	24	166	18	9	38	2OP 2SC 1 ST	67	-	24	161	
3	Electrical & Electronics Engg.	93	4	14	111	14	6	26	2OP	45	3	14	110	
4	Electronics & Communication Engg.	93	3	17	113	14	7	24	1OBC	47	1	17	111	
5	Chemical Engg.	46	2	9	57	7	4	11	1OBC	19	-	9	51	
6	Metallurgical & Materials Engg	46	-	2	48	7	4	12	-	21	-	-	44	
7	Mining Engg.	46	-	01	47	6	4	12	-	19	-	1	42	
8	Computer Engg.	92	2	16	110	14	7	23	2OP 2OBC	44	1	16	109	
9	Information Technology	93	-	12	105	13	6	26	2OP 1OBC	43	-	12	103	
TOTAL		740	17	111	868	107	54	195	20	348	6	106	836	

* 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. 2014-15
Details of Male & Female admissions – coursewise and categorywise

Sl. No.	Programme	OP		OBC		SC		ST		GOI Nominee		DASA (Direct Admission of Students Abroad)		Total		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
1	Civil Engg.	34+3PD	9	18+1PD	05	13	1	5	2	1	-	07	06	82	23	105
2	Mechanical Engg.	64+2PD	3	38	-	18+2PD	-	9+1PD	-	-	-	23	01	157	04	161
3	Electrical & Electronics Engg.	31+2PD	14	20	6	10	4	6	-	1	2	10	04	80	30	110
4	Electronics & Communications Engg.	35	12	20+1PD	4	9	5	4	3	1	-	12	05	82	29	111
5	Chemical Engg.	14	5	5+1PD	6	5	2	4	-	-	-	05	04	34	17	51
6	Metallurgical & Materials Engg.	13	8	10	2	4	3	2	2	-	-	-	-	29	15	44
7	Mining Engg.	18	1	11	1	6	--	4	-	-	-	01	-	40	02	42
8	Computer Engg.	27+1PD	17+1PD	19+2PD	4	7	7	6	1	1	-	12	04	75	34	109
9	Information Technology	23+1PD	20+1PD	13+1PD	13	8	5	4	2	-	-	07	05	57	46	103
	Total	259+9PD	89+2PD	154+6PD	41	80+2PD	27	44+1PD	10	4	2	77	29	636	200	836

PD: Persons with disability

ADMISSION STATISTICS - POST GRADUATE PROGRAMMES
M.Tech. Programme - Particulars of Intake and Admissions during 2014-15

Sl. No.	Name of the Programme	Intake	Admitted					Out of the total admissions –Number of candidates admissions under category							
			Gate (scholarship seats)	sponsored + QIP seats + DASA	Total			SC		ST		OBC		PWD	
					M	F	Total	M	F	M	F	M	F	M	F
1.	Structural Engg.	27+1*	26	1 (Sponsored)+1QIP (Regular)	20	8	28	3	1	2	-	5	2	1(OC)	-
2.	Geotechnical Engg.	15+1**+1*	13	1 (Sponsored)	6	8	14	1	1	1	-	2	1+1 (SPO)	-	-
3.	Environmental Engg.	27+1*	26	1 (Sponsored)	14	13	27	3	1	2	-	3	3	-	1(OB)
4.	Transportation Engg.	27+1*	26	-	17	9	26	3	1	2	-	5	2	-	-
5.	Construction Technology & Management	27+1*+30(L&T)	24	30 (L&T-Sponsored)	22+25(L&T)	2+5(L&T)	24+30(L&T)	4	-	1	-	6	1	-	-
6.	Marine Structures	27+1**+1*	24	-	20	4	24	4	-	1	-	5	2	-	-
7.	Water Resources Engineering & Management	15+1*	14	1 (QIP-(Regular)	8	7	15	2	-	-	1	2	2	-	-
8.	Remote Sensing & Geographic Information Systems	27+1**+1*	24	-	14	10	24	3	-	-	1	4	3	-	-
9.	Design and Precision Engg.	15+1*	14	1 (Sponsored)	14	1	15	2	-	1	-	4+1(Spo)	-	-	-
10.	Manufacturing Engg.	15+1*	14	1 (Sponsored)	12	3	15	2	-	1	-	3+1(SP o)	1	-	-
11.	Mechatronics Engg.	27+1*	26	-	25	1	26	4	-	2	-	7	-	1(OC)	-
12.	Thermal Engineering	15+1**+1*	14	1 (DASA)	15	-	15	2	-	1	-	4	-	-	-
13.	Power & Energy Systems	27+1*	26	-	17	9	26	4	-	1	1	5	2	-	-
14.	VLSI Design	27+1**+1*	23	1 (DASA)	18	6	24	3	1	2	-	3	3	-	-
15.	Communication Engg.	27+1**+1*	26	1 (DASA)+ 1 (SPo) 1 (NAVY Spon)	20	9	29	3	1	1	1	5	2	1(OC)	-
16.	Chemical Plant Design	15+1*	12	-	6	6	12	1	-	1	-	1	3	-	-
17.	Industrial Pollution Control Engg.	27+1*	20	-	10	10	20	-	-	-	-	4	3	-	-
18.	Industrial Biotechnology	27+1*	24	-	8	16	24	1	2	1	-	2	5	-	-

Sl. No.	Name of the Programme	Intake	Admitted					Out of the total admissions – Number of candidates admissions under category							
			Gate (scholarship seats)	sponsored + QIP seats + DASA	Total			SC		ST		OBC		PWD	
					M	F	Total	M	F	M	F	M	F	M	F
19.	Computational Mathematics	27+1*	21	1 QIP (Regular)	12	10	22	1 (QIP)	-	1	-	3	4	-	-
20.	Materials Engg.	27+1*	26	-	26	-	26	4	-	2	-	7	-	-	-
21.	Process Metallurgy	15+1**+1*	13	-	11	2	13	2	-	-	-	3	1	-	-
22.	Nanotechnology	15+1*	13	-	9	4	13	-	2	1	-	3	-	-	-
23.	Computer Science & Engg.	27+1**+1*	25	1(DASA)	18	8	26	4	-	1	1	5	1	-	1(OB)
24.	Computer Science & Engg. – Information Security	27+1*	25	-	21	4	25	3	-	1	1	7	-	1(OC)	-
25.	Information Technology	27+1*	24	-	18	6	24	2	-	2	-	6	1	1(OC)	-
	TOTAL	579+8**+25**+30 (L&T)=642	523	6 Sponsored +1 Indian Navy Sponsored+3 QIP +4 DASA +30 L&T=44	406	161	567	60+1 QIP	10	28	6	104+2 (Spo)	42+1(spo)	5	2

** Sanctioned seats for DASA candidates.

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

The above intake of M.Tech. excluding the intake of QIP allotted by AICTE and two seats of Indian Navy Sponsored (one seat each in Mechanical Engg & E&C Dept)

L&T – Additional seats reserved for L&T Sponsored candidates.

PWD: Persons With Disabilities.

M.TECH. PROGRAMME (BY RESEARCH) 2014-15

Intake

OC	OCPWD	OBC	OBCPWD	SC	SCPWD	ST	STPWD	Total
24	01	13	01	07	01	3	0	50

Admission mde for the year 2014-15

Sl. No.	Name of the Programme	No. of candidates admitted		Total number of candidates admitted		
		Gate Scholarship Seat	Non-Scholarship Seat	Male	Female	Total
1	Structural Engg.	1(OC)	-	-	1	1
2	Geotechnoloical Engg	1(OC)	-	1	-	1
3	Transportation Engg.	---	1OBC 1OC (IR)	1	1	2
4	Construction Technology & Management	1(OC)	1OC +1OBC	1	2	3
5	Remote Sensing & Geographics Information Systems	1(OC)	1(OC)	1	1	2
6	Thermal Engg.	1(OC)+1(OBC)	-	2	-	2
7	Manufacturing Engg.	1(OC)	1(IR- OBC)	2	-	2
8	Mechatronics Engg.	-	2 OC(ER- SPO)	2	-	2
9	Design & Precision Engg.	1 (OBC)	1(OC-ER- SPO)	2	-	2
10	VLSI Design	1 (OC)	1(ER-SPO)	2	-	2
11	Communication Engg.	1(OC)+1OBC	-	2	-	2
12	Power & Energy Systemes	1 (OC)	1(OC)- NSP	2	-	2
13	Nanotechnology	-	1(OC)	1	-	1
14	Materials Engg	-	1 OC	-	1	1
15	Computer Science & Engg	1 (OC)	-	1	-	1
16	Computer Science & Engg (Inforamtion Security	1 (SC)	-	1	-	1
17	Rock Excavation Technology & Management	-	1 (OC)	1	-	1
	Total	14 10 (OC)+3 (OBC) +1(SC)=14	6(OC)+ 2(OBC)+ 2 (IR) + 4 ER=14	22	06	28

ER-SPO – External Registrants (Sponsored)

IR – Internal Registrants

NSP= Non Sponsored

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

Particulars of Admissions during 2014-15

Sl. No.	Programme	Intake	Total admitted			Out of the total admissions – Number of candidates Admissions under category							
			Boys	Girls	Total	SC		ST		OBC		PWD	
						M	F	M	F	M	F	M	F
1	Master of Computer Applications (MCA)	92+1**	52	37	89	5	7	3	3	15	10	-	-
2	Master of Business Administration (MBA)	64+5*+1**	29	7	36	1	1	-	-	1	1	-	-
3	M.Sc. (Chemistry)	27+1**	8	17	25	2	1	1	1	3	4	-	-
4	M.Sc. (Physics)	27+1**	6	16	22	-	-	2	-	2	5	-	-
	Total	210+5*+4**=219	95	77	172	8	9	6	4	21	20	-	-

* Seats reserved for DASA candidates

** Additional seats for the international students under ICCR Scheme
PWD – Persons With Disabilities

Ph.D. PROGRAMME

Particulars of Intake & Admissions made during 2014-15

Intake for the year 2014-15

OC	OCPWD	OB	OBPWD	SC	SCPWD	ST	STPWD	Total
74	02	39	01	21	01	11	01	150

Details of Admissions made during 2014-15

Sl No.	Name of the Department	Admitted Full time Programme				Admitted Under External Registrants (Part Time)		Out of the total Full time scholars, Number of Candidates belonging to the category of									
		Fellowship Holder		Other category-Non Fellowship+ QIP+ Sponsored and Admissions under Visvesvaraya Ph.D Scheme				OC		OB		SC		ST		OTHERS (Nonfellowship/ QI.P/Sponsored and Admissions under Visvesvaraya Ph.d. Scheme).	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	Civil Engg	7+5*	3+3*	-	-	1OC	--	5+1*	1+3*	2+1*	1	2*	1	1*	-	-	-
2	Applied Mech. & Hydraulics	3+3*	-	-	-	1OB	10C	2+3*		1	-	-	-	-	-	-	-
3	Mechanical Engg	12+8*	1	1 (SP)+ 1QIP	-	4OC	-	9+3*	1	2+3*	-	1+1*	-	1*		1(SP) + 1QIP	
4	Electrical & Electronics Engg	5+2*	2*	2**	-	-	10C	3+1*	1*	1*	1*	1	-	1	-	10C**+ 1SC**	
5	Electronics & Communication Engg	7	2+1*	2**	1**	-	-	4	2+1*	1	-	1		1		10C**+ 1	1OC*

																OB**	*
6	Chemical Engg	3+2*	1+3*	-	-	-	-	2+1*	1+2*	1*	-	1	-	-	0+1*	-	-
7	Metallurgical & Materials Engg	8+2*	1*	-	-	-	-	4+1*	-	1+1*	1*	2	-	1	-	-	-
8	Mining Engg	1+1*	1	-	-	-	-	1	1	-	-	1*	-	-	-	-	-
9	Computer Science & Engg	1+3*	1	-	1QIP	-	-	1*	1	1*	-	1+1*	-	-	-	-	1QIP
10	Information Technology	3+2*	-	-	-	-	-	2+2*		1			-	-	-	-	-
11	Physics	1+3*	2+1*	1NSP	-	1OC+2OB	-	1+2*	2	1*	1*	-	-	-	-	1NSP	-
12	Chemistry	1+3*	1+2*	-	-	1OC+1OB	-	2*	1+1*	1+1*	1*	-	-	-	-	-	-
13	Mathematical & Computational Sciences	2*	1+3*	-	-	-	2OC	1*	1*	-	1+2*	-	-	1*	-	-	-
14	Humanities, Social Science & Management	3	2+3*	-	-	-	-	2	2+2*	1	1*	-	-	-	-	-	-
	Total	55+36*	15+19*	3+4**	1+1**	11	4	35+18*	12+11*	10+10*	2+7*	7+5*	1	3+3*	1*-	3+4**	1+1**

*Admissions made during December Session 2014

** Admissions under "Visvesvaraya Ph.D. Schme" during Decembe 2014

SP= Sponsored. NSP = Non Sponsored – Non fellowship. QIP = Admitted Under AICTE QIP Schme

Student's Total Strength

<u>Programme</u>	<u>Strength</u>
1. Undergraduate	3256
2. Post Graduate (Including MCA/M.Tech./M.Tech – by research MBA/M.Sc.)	1517
3. Ph.D. Programme	514

Total	5287
	=====

7 EVALUATION AND EXAMINATION

7.1 EDUCATION SYSTEM

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

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

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

7.2 EXAMINATION & EVALUATION PROCEDURE

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

8 EXAMINATION RESULTS FOR 2013-2014**B.Tech. Examination Details**

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 & below 6	CGPA below 5			
1.	Civil Engineering	97+3*	70	14	9+3*		96	96.00	19+1*
2.	Mechanical Engineering	148+5*	97	27	13+2*	1+3*	143	93.46	22+3*
3.	Electrical And Electronics Engineering	112+3*	75	23	12+2*	2+1*	115	100.00	19+2*
4.	Electronics And Communication Engineering	105+10*	75	20	7+2*	8*	112	97.39	15+4*
5.	Chemical Engineering	48+1*	29	8	7+1*		45	91.84	6+1*
6.	Metallurgical And Materials Engineering	43+1*	27	8+1*	6		42	95.45	9
7.	Mining Engineering	34+1*	23	9+1*			33	94.29	10+1*
8.	Computer Engineering	105+4*	68	22+1*	10	1+3*	105	96.33	18+2*
9.	Information Technology	101+2*	57	24	16+1*	2+1*	101	98.06	17+2*
							792		
	*- Repeaters								

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

Sl.No	Branch	Total No. Appeared	No. of students passed in			Total Pass	Percentage of passes	No. of SC/ST candidates passed
			CGPA above 7 & below 10	CGPA above 6 & below 7	CGPA above 5.50 & below 6			
1.	Construction Technology & Management	24	24			24	100.00	5
2.	Structural Engineering	25	21	4		25	100.00	6
3.	Geotechnical Engineering	12	11	1		12	100.00	2
4.	Environmental Engineering	21	16	3	1	20	95.24	6
5.	Transportation Systems Engineering	21	19	2		21	100.00	4
6.	Marine Structures	19	17	2		19	100.00	4
7.	Remote Sensing & Geographic Information System	13	12			12	92.31	2
8.	Water Resources Engineering & Management	13+1*	11	2	1*	14	100.00	2
9.	Manufacturing Engineering	14	13		1	14	100.00	3
10.	Mechatronics Engineering	24+3*	18+1*	5+2*	1	27	100.00	5
11.	Thermal Engineering	11	10	1		11	100.00	3
12.	Power & Energy Systems	22	12	7	3	22	100.00	6
13.	VLSI Design	27+1*	18	6	3+1*	28	100.00	6
14.	Communication Engineering	27+1*	19+1*	6	1	27	96.43	6
15.	Chemical Plant Design	8+1*	5	1	1+1*	8	88.89	2
16.	Industrial Biotechnology	23	14	7	2	23	100.00	3
17.	Industrial Pollution Control	22	11	6	3	20	90.91	3
18.	Process Metallurgy	12	9	3		12	100.00	2
19.	Materials Engineering	23+1*	16	7	1*	24	100.00	4
20.	Nanotechnology	11	9	1		10	90.91	2
21.	Systems Analysis & Computer Applications	23	22	1		23	100.00	4
22.	Computer Science and Engineering	27	23	3	1	27	100.00	6
23.	Computer Science and Engineering - Information Security	27+1*	19	8+1*		28	100.00	6
24.	Information Technology	25	19	4	2	25	100.00	6
25.	Master of Computer Applications	89	69	18	2	89	100.00	19
26.	Master of Business Administration	43	36	7		43	100.00	10
27.	Master of Science (Chemistry)	19	8	9	1	18	94.74	
28.	Master of Science (Physics)	23	15	4	3	22	95.65	5

*- Repeaters

Ranks secured by the B.Tech. Examination held in April/May, 2014

Sl.No. Name of the Branch Name of the Rank Holder

Sl. No.	Branch	Name of the Student
1	Chemical Engineering	Pavan N
2	Civil Engineering	Arjun Narayanan
3	Computer Engineering	Chetan Dugar
4	Electronics & Communication Engineering	Akshay B Pattabi
5	Electrical & Electronics Engineering	Abhishek Raghu Malali
6	Information Technology	Anirudha R C
7	Mechanical Engineering	Karthik N S
8	Metallurgical & Materials Engineering	U Pranav Nayak
9	Mining Engineering	Chiranth M Hegde

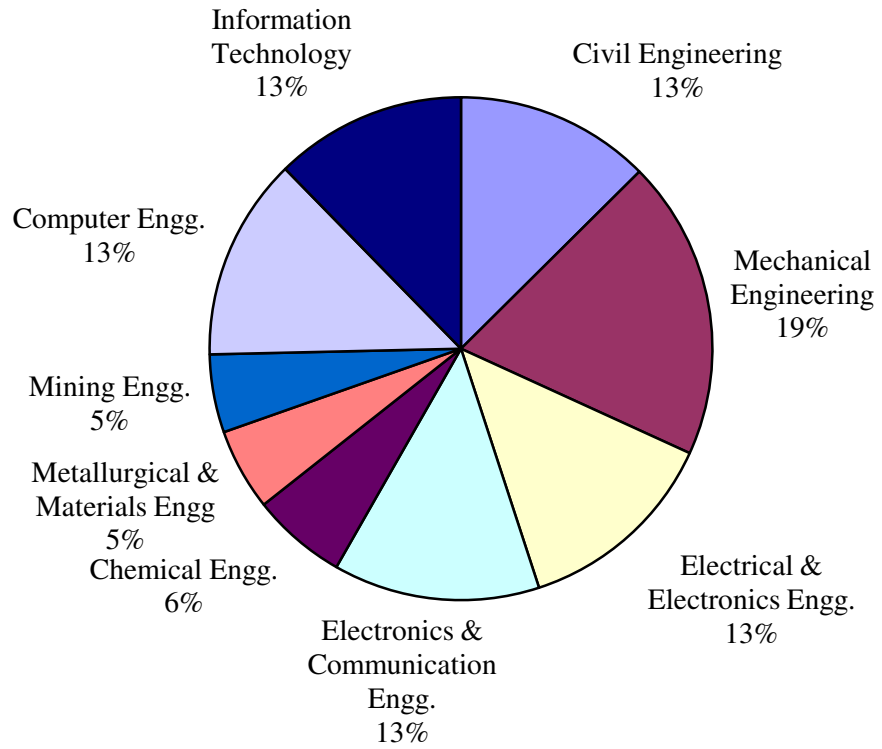
Ranks secured by the M.Tech. students of the Institute in the Examination held in April-May, 2014

Sl. No.	Branch	Name Of The Student
1	Marine Structures	<u>Parvathi S</u>
2	Remote Sensing & Geographic Information System	Irshan Verma
3	Water Resources Engineering & Management	<u>Priya Philip</u>
4	Chemical Plant Design	<u>Sruthy C</u>
5	Industrial Biotechnology	<u>Anisha Kurup</u>
6	Industrial Pollution Control	<u>C Maheswari</u>
7	Construction Technology & Management	<u>Khadeeja Henna P</u>
8	Environmental Engineering	<u>Sudeeptha G</u>
9	Geotechnical Engineering	<u>Reeba Mary Varghese</u>
10	Structural Engineering	Sunil D V
11	Transportation Engineering	<u>Sharon Jacob</u>
12	Computer Science & Engineering	Murali K

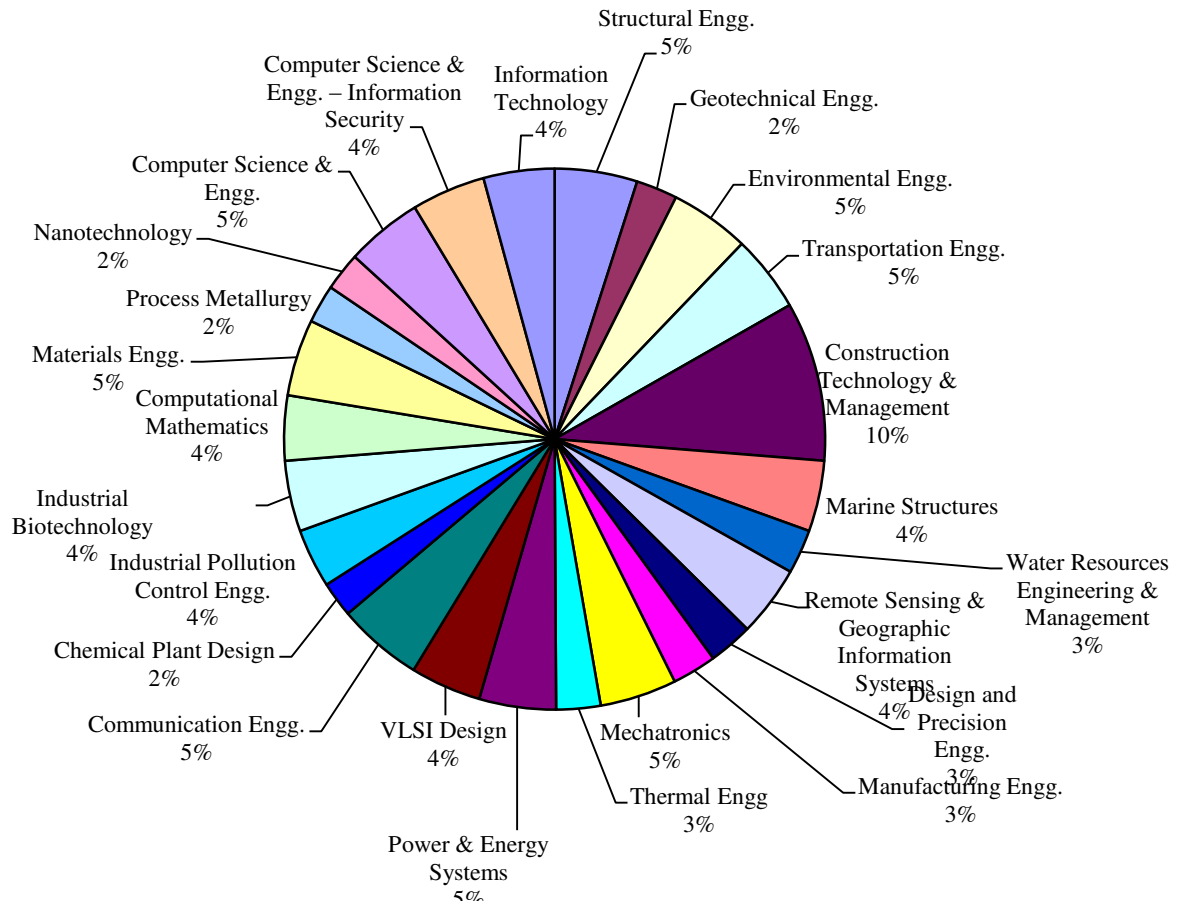
13	Computer Science & Engineering – Information Security	Sarath Chandra Prasad Gingupalli
14	Power & Energy Systems	<u>Ritty Raju</u>
15	Communication Engineering	Pradip Kumar Barik
16	VLSI Design	Shetty Dheeraj Muddhu
17	Information Technology	Ravi Mittal
18	Systems Analysis & Computer Applications	Rajarshi Bhowmik
19	Manufacturing Engineering.	Deore Kunal Mohan
		Geo Davis
20	Mechatronics Engineering	<u>Sivaranjani J</u>
21	Thermal Engineering	Chetan Kumar B V
22	Materials Engineering	Nair Krishnadev Radhakrishnan
23	Nanotechnology	Moab Rajan Philip
24	Process Metallurgy	<u>Swati Agarwala</u>

Ranks secured by the MCA/MBA/M.Sc.(Chemistry) students of the Institute in the Examination held in April/May, 2014

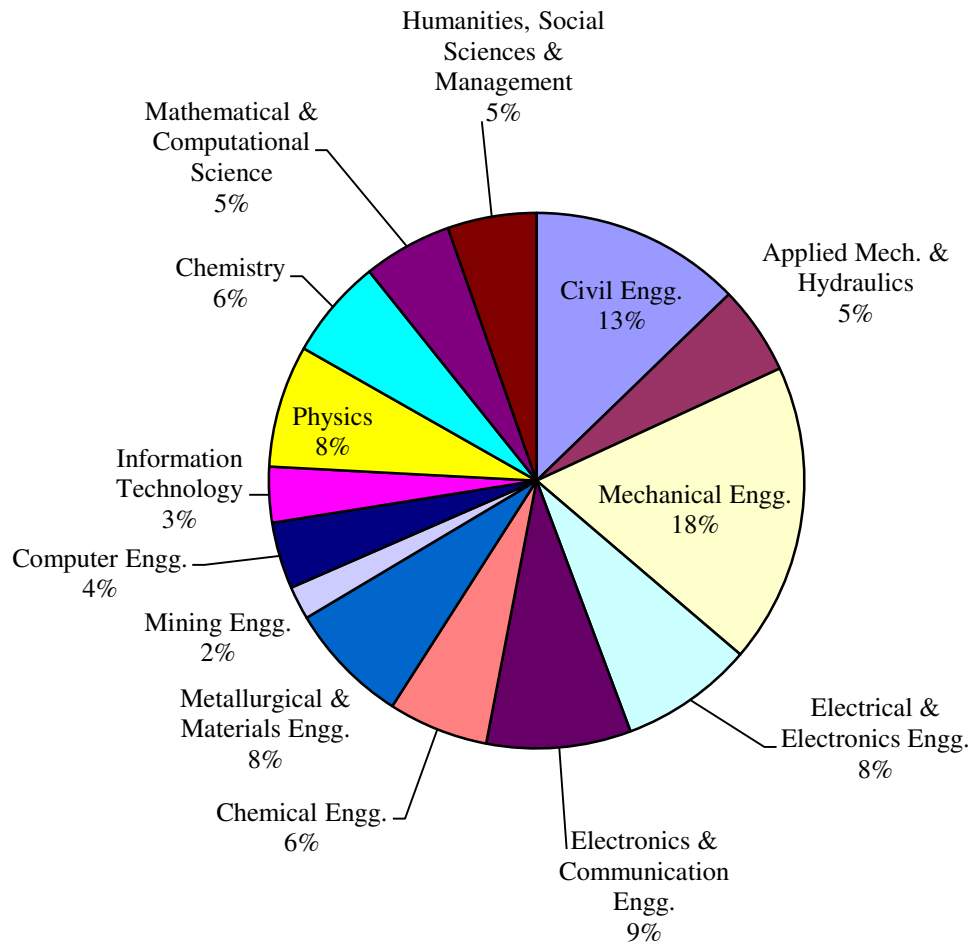
Sl. No.	Branch	Name Of The Student
1	Master of Computer Applications	Koustubh Sarkar
2	Master of Business Administration	<u>Sayelee Gupta</u>
3	M.Sc. Chemistry	<u>Pearl Zynia Fernandes</u>
4	M.Sc. Physics	<u>Amrutha S V</u>



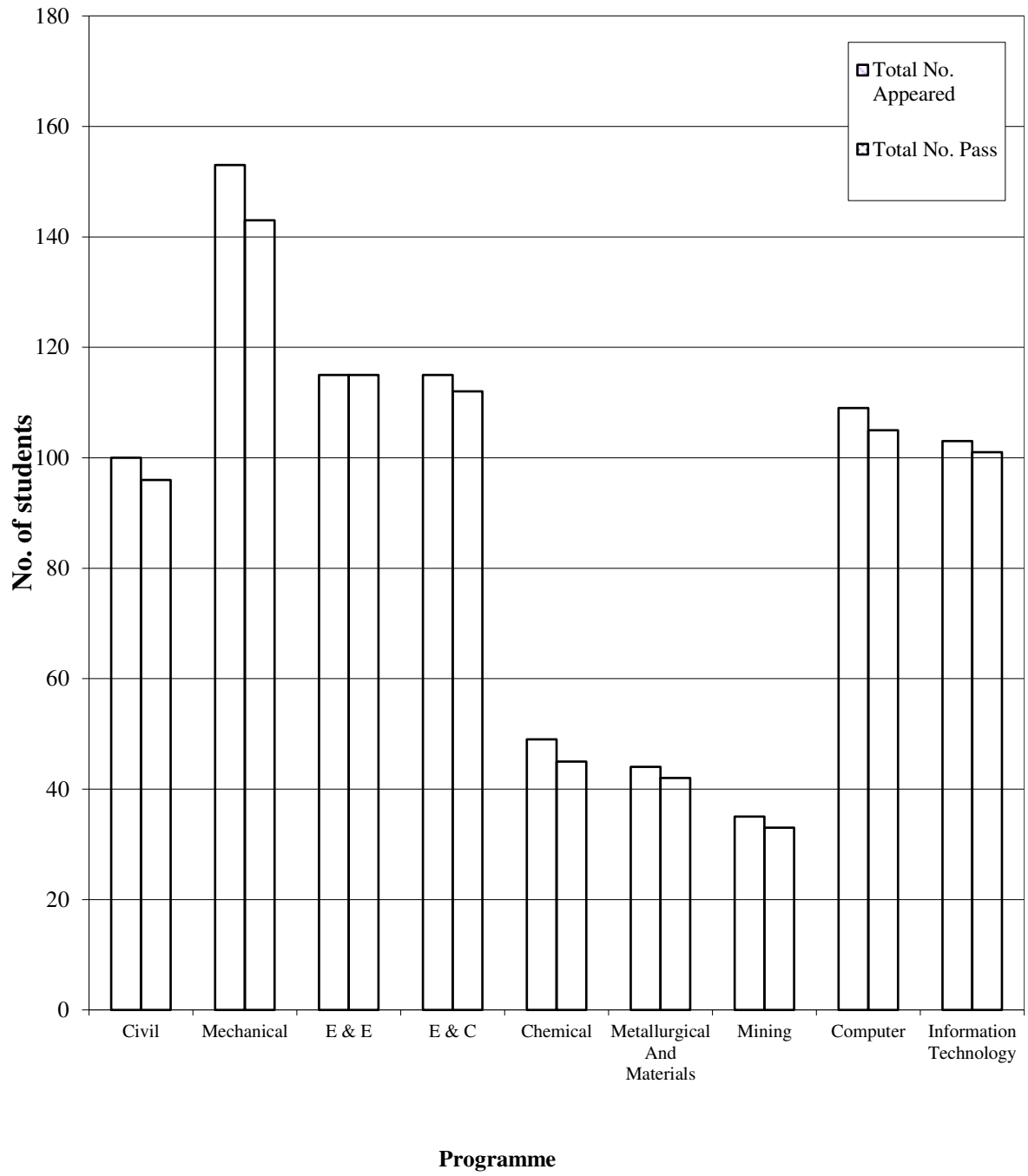
Pie - chart showing discipline wise B.Tech. admissions 2014-15



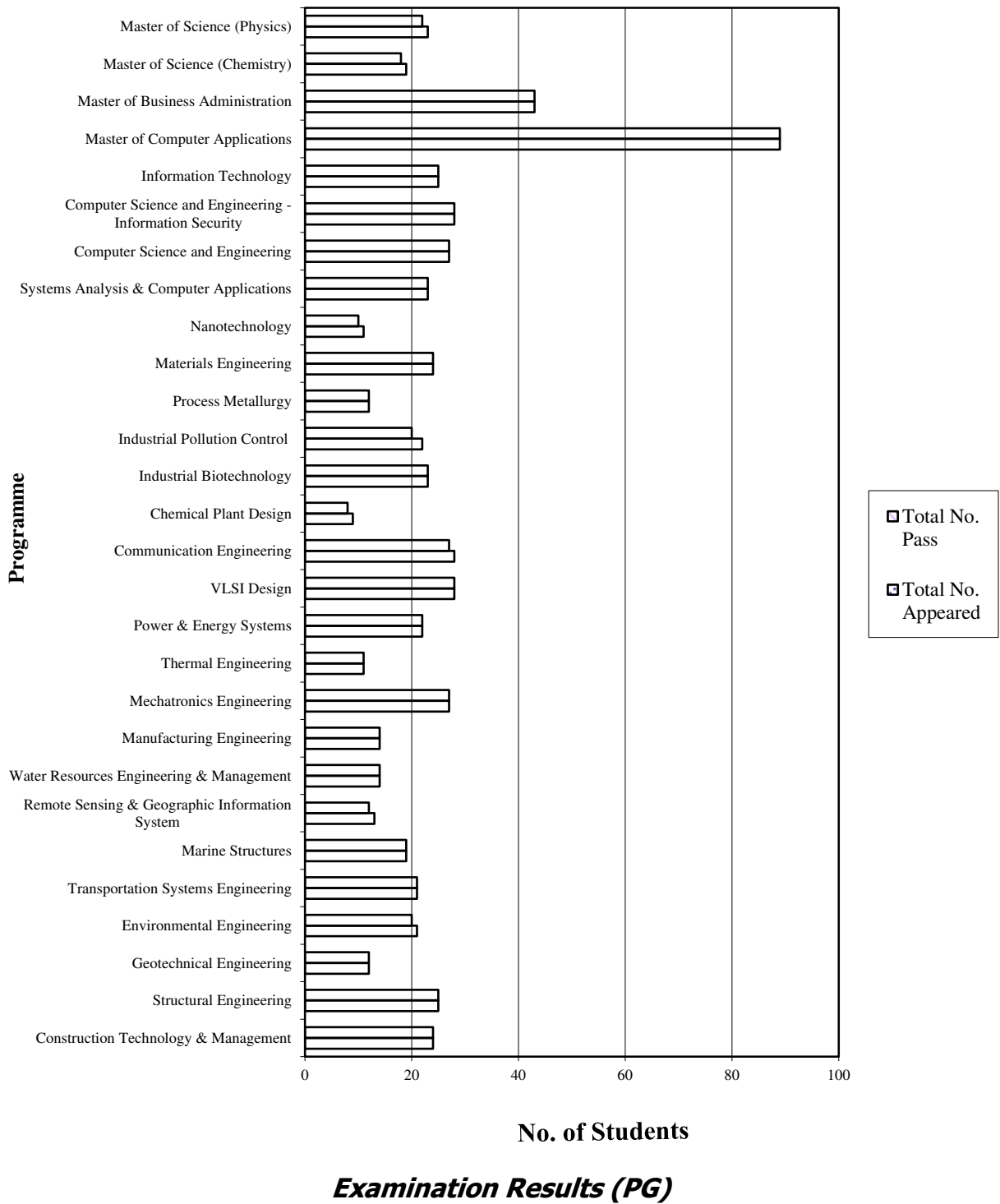
Pie - chart showing discipline wise M.Tech. admissions 2014-15

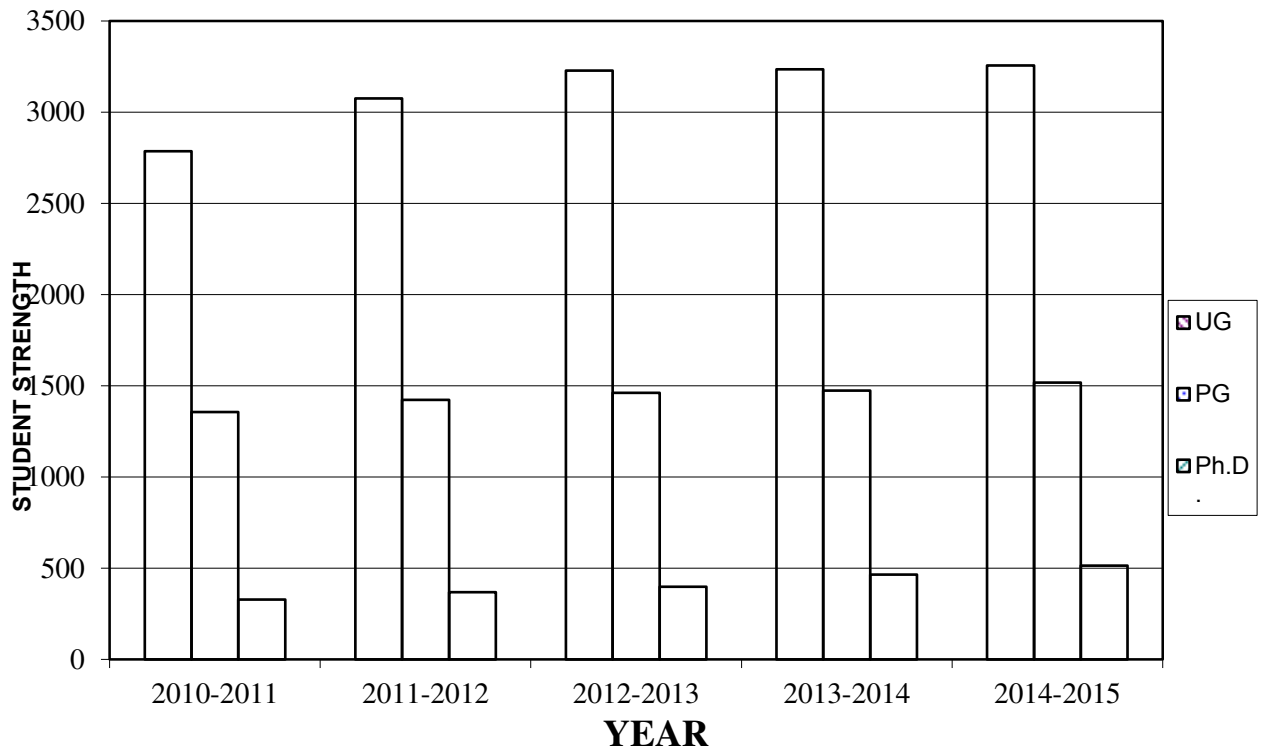


Pie - chart showing discipline wise Ph.D. admissions 2014-15

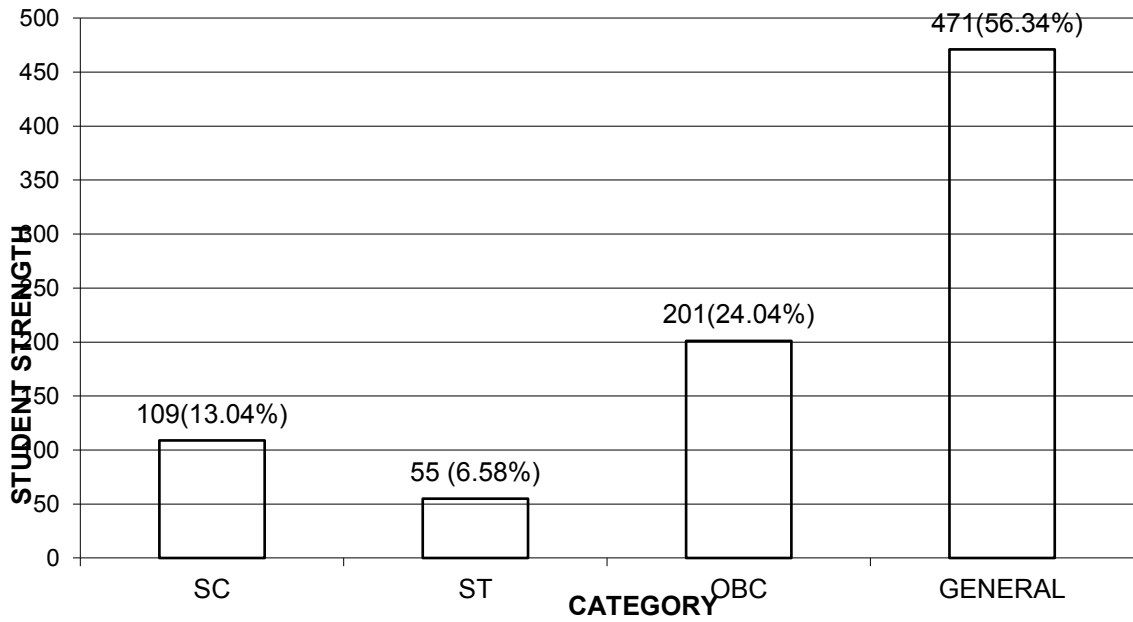


Examination Results (UG)

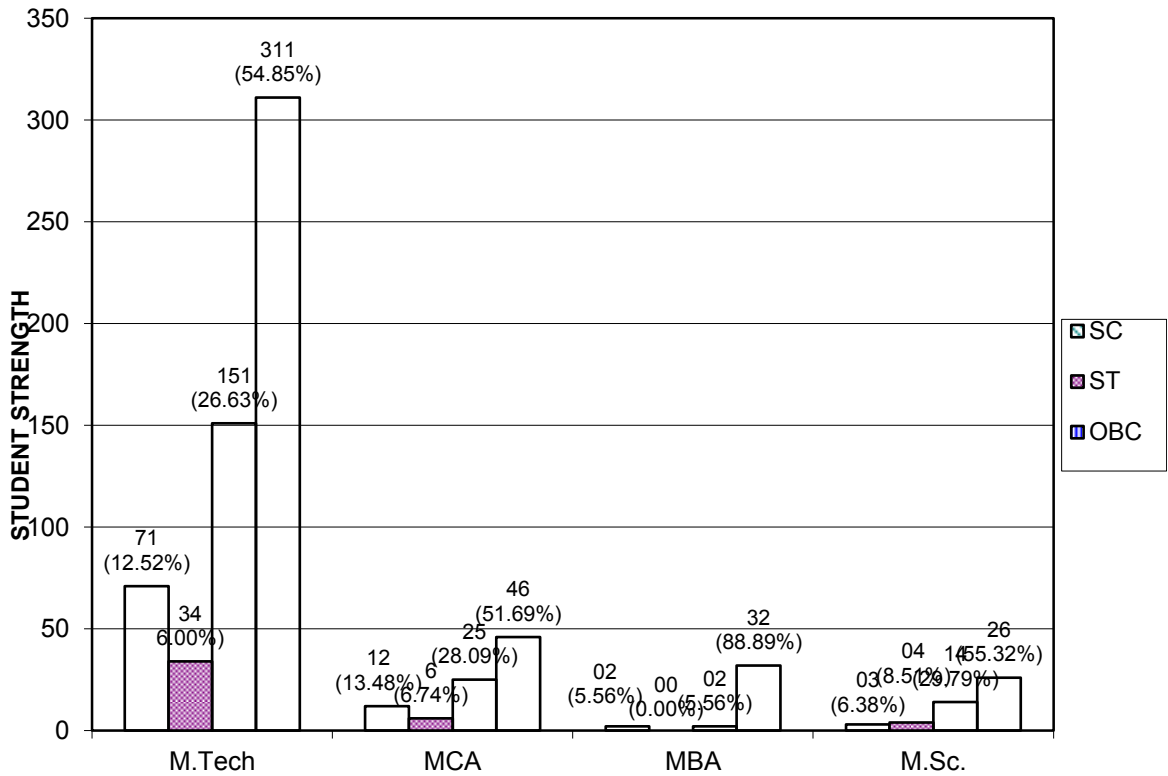




Growth in Enrolment of UG/PG/Ph.D. students during the last Five years 2010-2014



Category wise details of UG admissions 2014-15



Category wise details of PG admissions 2014-15

9 Ph.D PROGRAMMES & DOCTORATES AWARDED

Ph.D. PROGRAMMES – EXISTING & PROPOSED

Department of Applied Mechanics And Hydraulics

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

Department of Chemical Engineering

	Specialisation
Existing	Process Development, Particulate system, Biotechnology, Environmental Engg., Transfer Operation, Industrial Biotechnology, Energy, Electrochemical Applications, Process Modeling & Simulation

Department of Civil Engineering

	Specialization
Existing	Construction Technology and Management Environmental Engineering Geology and Earth Sciences Geotechnical Engineering Structural Engineering Transportation Engineering Engineering Geology and Groundwater

Department of Computer Engineering

	Specialization
Existing	Computer Networks, Software Engineering, Distributed Computing, Data Mining, Information Security, High Performance Computing, Computer Vision, Cloud Computing, Image Processing, Speech Processing, Mobile computing
Proposed	Big data analytics, Bio informatics

Department of Chemistry

	Specialization
Existing	Organic Chemistry 1) Synthetic organic chemistry 2) Conducting polymers 3) Medicinal chemistry 4) Liquid crystal 5) Organic solar cells - Dye Sensitized Solar Cells Single crystal growth and crystallographic studies, Homogenous and heterogeneous catalysis, Carbon based materials for energy storage and sensor applications, Membrane technology, Medicinal Chemistry, Nanomaterials
Proposed	1) Tandem solar cells 2) OLED materials 3) New heterogeneous catalysts for trans-esterification

Department of Electronics And Communication Engineering

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

Department of Electrical And Electronics Engineering

	Specialization
Existing	Power Systems, Distributed Generation, Energy systems, Power Electronics and Drives, Renewable energy, High Voltage Engineering, Flexible AC transmission system(FACTS), Control Systems, power system protection, Smart grid & Sensor Networks.

Department of Humanities, Social Sciences and Management

	Specialization
Existing	3
Proposed	7

Department of Information Technology

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

Department of Mathematical And Computational Sciences

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

Department of Mechanical Engineering

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

Department of Mining Engineering

	Specialization
Existing	Rock Mechanics and Ground Control, Drilling and Blasting, Mine Planning Environmental Management
Proposed	M.Sc / M.Sc. (Tech) qualifications

Department of Metallurgical And Materials Engineering

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

Department of Physics

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

DOCTORATES AWARDED

Department of Applied Mechanics and Hydraulics:-

	No. Awarded
Upto 31 st March 2013	48
During period 1 st April 2013 to 31 st March 2014	08

Name of the candidate	Title of the thesis	Year of Award	Guide (s)
Shwetha P	Characterization of Soil Hydraulic Properties in the Pavanje River Basin Karnataka, India	2014	K.Varija, Ph.D
Sachin Dadu	Hybrid Wavelet Transform – Neural Network Approach for Short Term and Long Term Time Series Flow Forecasting	2014	Paresh Chandra Deka, , Ph.D
Harish.N	Damage Level Prediction Of Non-Reshaped BERM Breakwater Using Soft Computing Techniques	2014	Subba Rao, , Ph.D Sukomal Mandal (NIO GOA), , Ph.D
Prashanth.J	Parametric Studies On Stability Of Reshaped BERM Breakwater With Concrete Cubes As Armor Unit	2014	Subba Rao, , Ph.D Kiran .G. Shirlal, , Ph.D
Raju.A	Development of CONTRAST ENHANCEMENT ALGORITHMS for Costal Applications using satellite images	2014	G. S. Dwarakish, , Ph.D D. Venkat Reddy, , Ph.D
Binny Gopal	Measurement and Prediction of Top Soil Chemical Properties using HYPER SPECTRAL Data	2014	Amba Shetty, , Ph.D
Pruthviraj U.	Numerical Simulation of 2D Flow Field For Perforated Plates In Free Stream And Fences	2015	M.K.Nagaraj, , Ph.D & Subas C. Yaragal, , Ph.D
Keerthi Lakshmi	Evaluation of a satellite based evapotranspiration model in a humid tropical region	2015	Lakshman N. , Ph.D

Department of Chemical Engineering

	No. awarded (including those for which viva has been successfully completed)
Upto 31 st March 2014	20
During period 1 st April 2013 to 31 st March 2015	07

**Ph.D. Degree awarded during period 1st April 2014 to 31st March 2015 :-
(for period of report only)**

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Ms.Pavithra Kumari	Studies In The Adhesion Of Candida To Buccal Epithelial Cells	June 2014	Gopal Mugeraya, Ph.D & G. Srinikethan, Ph.D
Mr.Ayare Atul Balwant	Source Apportionment And Chemical Characterization Of Suspended Particulate Matter At Kolhapur City	July, 2014	G. Srinikethan, Ph.D
Ms. Ankita Khanna	Photocatalytic degradation of Azo dyes using Ag@TiO ₂ Core-Shell Structured Nanoparticles	September 2014.	Vidya Shetty K., Ph.D
Mrs. Dilna Damodaran	Mycoremediation Of Heavy Metal Contaminated Soil Using Mushrooms -	October, .2014.	B. Raj Mohan, , Ph.D & Vidya Shetty K., Ph.D
Mrs. Rajeshwari M. Kulkarni	Biosorption Of Nickel(Ii) And Cadmium(Ii) On Bacterial And Yeast Biomass	February, 2015	G. Srinikethan, Ph.D & Vidya Shetty K., Ph.D
Mr. Gop Kumar	Studies On Microbial Biotrans-formations For The Synthesis Of Stereo selective New Pharmaceutical Drug Precursors And Their Pharmacological Evaluation	February, 2015.	Gopal Mugeraya, , Ph.D
Ms. Sogra Fathima B.	Studies on Isolated Endophytic Fungi from Nothapodytes Foetida for Production of Camptothecin and other Products of Certain Biotechnological Interest	February, 2015	Raj Mohan B., , Ph.D

Department of Civil Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	42
During period 1 st April 2014 to 31 st March 2015	08

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Mr. Jayamohan Jayaraj,	Behaviour of Prestressed Reinforced Granular Bed overlying Soft soil	(Thesis Defended July 2014) 2014	R. Shivashankar, , Ph.D
Mrs. Jisha, S. V.	Structural Response Variation in Tall RC Chimneys incor- porating Flexibility of Soil	(Thesis Defended Dec.2014) 2015	B. R. Jayalekshmi, Ph.D & R. Shivashankar, Ph.D
Vinayak Patki	Water Quality Assessment in Distribution Systems using Artificial Intelligence	12.09.2014	S.Shrihari, , Ph.D & B Manu, , Ph.D
Poornachandra Pandit	Effect of corrosion on the flexural behavior of reinforced concrete beams	2014	K.Venkataramana, ,Ph.D
Akshatha Shetty	Effect of reinforcement corrosion on the bond strength of RC members	2014	Katta Venkataramana, , Ph.D & K S Babu Narayan. , Ph.D
A.Raju	Remote Sensing, Satellite Digital Image Processing and GIS)	2014	Dearakish, , Ph.D and Venkat Reddy.D, Ph.D
Honnanagoudar, S.S	Studies On Aquifer Characterization And Sea Water Intrusion Vulnerability Assessment Of Coastal Dakshina Kannada District,Karnataka	2015	D.Venkat Reddy, ,Ph.D &A.Mahesha, , Ph.D
Manjunatha L.S.	Use of Stabilized Iron Ore Tailings For Bulk Fill Construction and Replacement For Fine Aggregates in Concrete	Thesis defended on 23.02.2015	Sunil B.M., Ph.D
Naveenkmar D T	Stress, Free Vibration and Buckling Analyses of FGM Plates - Analytical solutions Using Higher - Order Refined Theories	Thesis defended on 16.03.2015	K swaminathan, Ph.D.

Department of Computer Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31st March 2014	15
During period 1st April 2014 to 31st March 2015	02

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Ganesh Reddy Karri	A Multi-Layer Security Framework For Hybrid Wireless Mesh Networks	18 th July 2014	P. Santhi Tilagam, , Ph.D

Panduranga Rao M.V	Study of Scheduler for real time & embedded System domain	17 th January 2015	K. C. Shet, , Ph.D
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Department of Chemistry

	No. awarded
Upto 31st March 2014	32
During period 1 st April 2014 to 31 st March 2015	10

(For period of report only)

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Pradeep Kumar	Studies on corrosion inhibition of 18% Ni M 250 grade maraging steel under welded condition in acidic media	2014	A. Nityananda Shetty, Ph.D
Nandini K	Study on corrosion behavior and corrosion inhibition of magnesium alloy ZE41	2014	A. Nityananda Shetty, Ph.D
Ahipa T N	Synthesis, characterization and mesomorphic properties of new pyridine derivatives	2014	A. VasudevaAdhikari, Ph.D
Sandhyarani	Transition metal complexes as catalysts for organic synthesis.	2014	B.Ramachandra Bhat, Ph.D
Aparna PI	Transition metal complexes as catalysts for the C-C cross coupling reactions.	2014	.B.Ramachandra Bhat, Ph.D
Aravindra LS	Carbon nano materials for Supercapacitor		B.RamachandraBhat, Ph.D and Udaya Bhat, Ph.D
Vijayaganapathi Ramesh Karanth	Molecular interactions of cyclic alanylalanine and Glycine Betaine in Aqueous Metal Chloride Solutions	2014	D. Krishna Bhat, Ph.D
H S SreekanthaJois	Physico-chemical properties of some polymer blends	2014	D. Krishna Bhat, Ph.D
Ganesh BM	Preparation and characterization of polysulfone based polymeric membranes for desalination and heavy metal removal	2014	Arun M. Isloor, Ph.D
Madhuprasad	New synthetic receptors for molecular recognition of anions and their practical applications	2014	Darshak R. Trivedi, Ph.D

Department of Electrical And Electronics Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	11
During period 1 st April 2014 to 31 st March 2015	05

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Shashidhara Mecha Kotian	Performance of Synchronous Machine Models in Series-Compensated Power Systems, and Design of Subsynchronous Damping Controllers Employing Dynamic Phasor-Based Models of SVC and TCSC.	2015	K.N. Shubhanga, Ph.D
K Chandrasekaran	A New Approach of Tuning Channel-Base-Current-Function, and Severity of Lightning-Return-Stroke: A Study	2015	G. S. Puneekar, Ph.D
S. B. Karajgi	PV & MSW as Distributed Generation Resources: Modeling, Analysis and Benefit Quantification	2014	Udaykumar R. Y, Ph.D
Mritunjaya Kappali	Solar Photo Voltaic Water Pumping System	2014	Udaykumar R.Y., Ph.D
Anant Jaivant Naik	Integration of Grid Connected Photovoltaic System with Active Power Filtering Functionality	2014	Udaykumar R. Y, Ph.D

Department of Electronics And Communication Engineering

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Rajendra Acharya U	'Analysis & Handling of HRV Data' Area: Bio-medical Signal Processing	December 2001	P. Subbanna Bhat, Ph.D
Sathish Kumar	Performance enhancement of Optical CDMA Networks and Hybrid Multiplexed Optical Communication Systems	August, 2004	K. N. Hari Bhat, Ph.D, G Umesh, Ph.D.
Jagadish Nayak	Automated detection of eye abnormalities and patient data handling	February 2009.	M S Bhat, Ph.D., P Subbanna Bhat, Ph.D.
Ganesh	Algebraic structure based on mixed radix system and Chinese remainder theorem for the generation of key sequences and	February 2011	K N Hari Bhat, Ph.D., Sripati U, Ph.D.

	their application in stream cipher system		
Om Prakash Verma	Image Processing using soft computing and evolutionary algorithms	2011	Muralidhar Kulkarni, Ph.D.
Aparna P	A development of an efficient video coding based on distributed source coding	March 2012	Sumam David S, Ph.D.
Ramesh Kini M	Development of a dynamically reconfigurable processor core architecture for DSP Kernels'	September 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	November 2012.	U Sripati, Ph.D. B Shankarananda, Ph.D
Rajesh Shetty	Design and construction of algebraic codes for enhancing information integrity in data storage systems'	May 2013	U Sripati, Ph.D.
Sooryakrishna	Modeling, analysis and optimization of interconnects in deep submicron regime	August 2013	M S Bhat, Ph.D.

During period 1st April 2014 to 31st March 2015

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Savitha H M	Energy Efficient Error Control Techniques for OFDM Systems with their Applicability to Power Line and Wireless Communication Channels	April 2014	M. Kulkarni, Ph.D
Lwaa Faisal Abdulameer	Analysis and Design of Reliable and Secure Chaotic Communication System for Optical and Wireless Linkers	August 2014	U Sripati, Ph.D M Kulkarni, Ph.D
Vasanth M.H	Low Power Integrated Continuous-Time Transconductance-Capacitor Filters targeted to operate on 0.5v Supply Voltage	October 2014	Laxminidhi T, Ph.D
Rekha S	Integrated Active-RC Continuous Time Filters for Low Voltage and Low Power Applications	November 2014	T Laxminidhi, Ph.D
Geetha Prakash	Rateless Codes for Transmission over Free Space Optics using Stochastic Models based on Scintillation Theory and their Application to Optical Wireless Sensor Networks	December 2014	M Kulkarni, Ph.D U Sripati, Ph.D
K S Shivaprakash	Energy Efficient Data Communication over Resource Constrained Wireless Sensor	February 2015	M Kulkarni, Ph.D

	Networks		
Bini A A	Image restoration and enhancement using partial differential equations	February 2015	M S Bhat, Ph.D

Department of Humanities, Social Sciences and Management

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	13
During period 1 st April 2014 to 31 st March 2015	3

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
C. Somashekar	Resource - Based View and Sustainable Competitive Advantage: An Investigation Among the Cellular Mobile Operators.	Awarded on 28th May, 2014	K.B. Kiran, Ph.D
Sukanya Shetty	Factors Affecting Investment Decision Making of Urban Individual Investors in India	Awarded on 10th October, 2014	K.B. Kiran, Ph.D.
Rajesh M.	An Assessment of Factors Affecting the Performance of Micro Finance Institutions.	Awarded on 2nd February, 2015	K.B. Kiran, Ph.D.

Department of Information Technology

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	7
During period 1 st April 2014 to 31 st March 2015	3

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Roopalakshmi	Content Based Video Copy Detection, Tracking and Identification of Movie Pirates	April 2014	G. Ram Mohana Reddy, , Ph.D
Bayyapu Neelima	Communication and Computation Optimization of Concurrent Kernels and Sparse Matrix Vector Multiplication on Graphics Processing Unit	February 2015	G. Ram Mohana Reddy, Ph.D., Prakash S Raghavendra, K.B., Ph.D

Alwyn Roshan Pais	Generation of Super-Resolution Video Object Planes	February 2015	G. Ram Mohana Reddy, Ph.D John D'Souza, Ph.D Subhasis Chaudhuri, Ph.D
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Department of Mathematical And Computational Sciences

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	28
During period 1 st April 2014 to 31 st March 2015	4

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
K Karuna Kamath	Pseudorandom Numbers And Elliptic Curves Over Finite Fields	2014	B.R. Shankar, Ph.D
Ganala Santoshi	Some Efficient Mobile Sensor Node Traversal Algorithms	2015	R. J. D'Souza, Ph.D
Prameela Kolake	New Aspects of Domination and Complementation in Graphs	2015	Shyam S. Kamath, Ph.D
Rekha G Pai	Entrance Region Flow of Time-Independent Non-Newtonian Fluids in Various Channels	2015	A Kandasamy, Ph.D

Department of Mechanical Engineering

	No. awarded (including those for which viva has been successfully completed)
Upto 31st March 2014	53
During period 1st April 2014 to 31st March 2015	6

Name of the candidate	Title of thesis	Year of award	Guide(s)
Manoj Kumar (ME10F11)	Effect of Biodiesel Blends on Selective catalytic reduction system to Reduce NOx Emissions in Diesel Vehicles	2015	P. Mohanan, Ph.D
Sonage Basgonda Kallappa (ME09P12)	Augmentation of forced convection heat transfer through tube by using nano-fluids.	2015	P. Mohanan, Ph.D
Madhusudhan	Some Studies on Process parameters in Centrifugal casting	2014	Narendranath, P. Mohanan, Ph.D and G.C. Mohan Kumar, P. Mohanan, Ph.D

Rajshekhar Lalbondre	Machinability Studies on Carbon and Alloy Steels using Face Turning	2014	Prasad Krishna, P. Mohanan, Ph.D and G.C. Mohan Kumar, P. Mohanan, Ph.D
Saravanabavan	Experimental investigation and analysis of Maize Natural fiber composites	2014	G.C. Mohan Kumar, P. Mohanan, Ph.D
N. Jegadeeswaran	Studies On The Role Of HVOF Coating To Combat Erosion And Hot Corrosion In Turbine Alloys	2014	Ramesh M R., P. Mohanan, Ph.D and Udaya Bhat, Ph.D.

Department of Metallurgical and Materials Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	25
During period 1 st April 2014 to 31 st March 2015	10

Name of Candidates	Title of Thesis	Year of Award	Guide (s)
Rajath Hegde	Synthesis and characterization of mechanically alloyed nanostructured Al-Fe	2014	A. O. Surendranathan, Ph.D.
Sathyanarayan	Study on Wetting Behaviour, Microstructure evolution and Solder Joint reliability of Lead – Free Solders Alloys Solidified on Metallic Substrates	2014	K. Narayan Prabhu, Ph.D.
Raghavendra Hebbar	Development of Austempered Ductile Iron as a Grinding Media Material in the Ball Mill: Microstructural Aspects and Influence of Surface Coating	2014	K. L. Bhat, Ph.D. & K. Rajendra Udupa, Ph.D.
James Valder	Processing of Commercial Purity Titanium, Aluminium and Al-5Zn-1Mg Alloy by Equal Channel Angular Extrusion	2014	A. O.Surendranathan, Ph.D.
Rijesh M.	A Study on Stress Analysis of Containerless Backward Extrusion of Al-Zn-Mg Alloys	2014	A. O. Surendranathan, Ph.D.
N. Jegadeeswaran	Study on the role of HVOF coating to combat hot corrosion, oxidation and erosion in turbine components	2014	Udaya Bhat K., Ph.D.
Ramesh G.	Wetting kinetics, kinematics and Heat Transfer Characteristics of Liquid Quenchants for Heat Treatment – A Study	2015	Narayan Prabhu, Ph.D.
T. Senthil	Some Studies on Electrospinning of Poly(Styrene-co-acrylonitrile)	2015	Anandhan Srinivasan, Ph.D.
B. Shivamurthy	Structure-Property Relationship of Glass Fabric/Epoxy Composites Containing Some Micro and Nano Fillers	2015	Anandhan Srinivasan, Ph.D. & Udaya Bhat K., Ph.D.

Rajeev P.	Experimental investigation on corrosion mitigation of oil well steel using organic inhibitors	2015	A. O. Surendranathan, Ph.D.
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Department of Physics

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2014	11
During period 1 st April 2014 to 31 st March 2015	4

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Shelar Vikas M.	Studies on laser induced fluorescence in subsonic & supersonic jets using	2014	G. Umesh, Ph.D. G. Ramachandran, , Ph.D.Mysore
Sadananda Kumar N.	Study of Doping in Zinc oxide thin films grown by spray pyrolysis technique,	2014	Kasturi V. Bangera, Ph.D., G. K. Shivakumar, Ph.D.
G Venkateshwara Rao	Synthesis, Characterization and various properties of CaO-P ₂ O ₅ ; CaO-CaF ₂ -P ₂ O ₅ Glasses with Silver nanoparticles	2015	H. D. Shashikala, Ph.D.
Santhosh Kumar A	Preparation, Characterization and application of ZnO and TiO ₂ based nanostructures	2015	H.S. Nagaraja, Ph.D.

10.0 HUMAN RESOURCES

10.1 STAFF POSITION

	Number
a) Teaching Staff	
Professors	69
Associate Professors	34
Assistant Professors	123
Other staff, A.P.D. & System Manager}	02
contract Faculty	02

	230
b) Non-Teaching Staff	
Administrative Officers	14
Technical supporting staff	66
Non-technical supporting staff	112

	192

THE STAFF

(A) Administration Staff (Teaching)

Director: (Head of the Institution)

Swapan Bhattacharya, Ph.D. from 1.8.2012

Dean (Academic)

(Mrs) Sumam David, Ph.D. till 30.9.2014
Katta Venkataramana, Ph.D. from 1.10.2014

Dean (Planning and Development)

M C Narasimhan, Ph.D. from 1.2.2014

Dean (Faculty Welfare)

A Kandasamy, Ph.D. from 18.1.2013

Dean (Alumni Affairs & Institutional Relations),

M B Saidutta, Ph.D. from 15.5.2013

Dean (Student's Welfare)

Uday Kumar R Y, Ph.D. from 8.10.2013

Dean (Research & Consultancy)

K Chandra Sekaran, Ph.D. from 1.9.2013

ACADEMIC STAFF (TEACHING)

Department of Applied Mechanics And Hydraulics

Professors:

S. Ganapathi Mayya, Ph.D. (I.I.Sc. Bangalore)retired 31.12.2014
A. Vittal Hegde, Ph.D. (Mangalore University)
N. Lakshman, Ph.D., (I.I.Sc., Bangalore)
M.K. Nagaraj, Ph.D. (I.I.Sc., Bangalore)
Subba Rao, Ph.D. (Mangalore University), HOD
G.S. Dwarakish, Ph.D. (Anna University)
Mahesh A, Ph.D. (IIT Bombay)
Kiran G. Shirlal, Ph.D. (NITK)

Associate Professors

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

Assistant Professor:

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

Department of Chemical Engineering

Professors:

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

Associate Professor:

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

Assistant Professors:

S. Gangamma, IIT, Bangalore
Jitendra Pal S., QIP at IIT Delhi
Prasanna B.D., M.E. (Ph.D. NITK)
Regupathi, Ph.D., (Anna University, Chennai)
P.E. Jagadeeshbabu, Ph.D. (Anna Univ. Chennai)
Noyel Victoria, Ph.D. (IIT Madras)
Keyur Raval, Ph.D. (Aachen Den University)
D.Ruben Sudhakar, Ph.D. (IIT Madras)
B. Ashraf Ali, Ph.D. (IIT Madras)

Jagannathan T K, Ph.D. (IIT Madras)

Department of Civil Engineering

Professors:

R. Shivashankar, Ph.D. (A.I.T. Bangkok)

K.N. Lokesh, Ph.D. (Geology) (Gulbarga University) HOD from 3.9.2014

M.C. Narasimhan, Ph.D. (IIT Madras)

Katta Venkataramana, Dr.Eng. (Kyoto University, Japan), HOD till 2.9.2014

A.U. Ravi Shankar, Ph.D (Univ. of Roorkee)

D. Venkata Reddy, Ph.D. (Geology) (Osmania University)

K. Swaminathan. Ph.D. (I.I.T. Bombay)

Varghese George, Ph.D. (I.I.T. Bombay)

S. Shrihari, Ph.D. (Univ. of Roorkee)

Seetharama Nayak, Ph.D. (I.I.Sc. Bangalore)

Subhas C. Yaragal, Ph.D. (IISc., Bangalore)

K.S. Babunarayan, Ph.D. (NITK)

Associate Professor:

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

Assistant Professor :

Sunil B.Malegole, Ph.D. (NITK)

Prashanth M.H., M.Tech. (NITK) as QIP deputation at IISc

Basavaraj Manu, Ph.D. (IIT, Bombay)

Raviraj H. Mulangi, M.E. (RGPV-Bhopal), QIP, IISC

Suresha S N, Ph.D. (NITK)

Arun Kumar Thalla (IIT Rourkee)

Gangadhar Mahesh, Ph.D. (Hongkong)

A S Balu, Ph.D. (IIT Madras)

C Rajasekaran, (IIT Madras)

C.P. Devatha, Ph.D. (IIT Roorkee)

A. Gowri, Ph.D. (IIT Madras)

Anjana Bhai, Ph.D. (IIT, Madras)

Department of Computer Engineering

Professors:

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

Associate Professor

K. Vinayakumar, Ph.D.

Shanthi Thilagam, Ph.D. (NITK)

Vani M., M.Tech. (NITK, Surathkal)

Annappa, Ph.D (NITK, Surathkal) HOD

Assistant Professor:

Alwyn Roshan Pais, Ph.D. (NITK)

Saumya A. Hegde, M.Tech. (NITK)

B.R. Chandavarkar, M.Tech. (VTU, Belgaum)

Mahendra Patap Singh, M.Tech. (Karunya University) – on QIP IIT, Kharagpur

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

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 till 10.8.2014
B. Ramachandra Bhat, Ph.D. (Mangalore Univ.) HOD from 11.8.2014
Krishna Bhat, Ph.D. (Mangalore Univ.)

Associate Professors:

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

Assistant Professors :

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

Department of Electronics And Communication Engineering

Professors:

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

Associate Professors:

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

Assistant Professors:

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

Department of Electrical And Electronics Engineering

Professors:

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

Associate Professors:

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

Assistant Professor :

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

Department of Humanities, Social Sciences & Management

Professor

A.H. Sequeira, Ph.D., (Mysore University) HOD from 2.9.2014
K.B.Kiran, Ph.D. (Mangalore Univ.)

Associate Professor:

Shashikantha K., Ph.D. (University of Hyderabad) HOD till 1.9.2014

Assistant Professor:

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

Department of Information Technology

Professor

Ananthanarayana V.S., Ph.D. (I.I.Sc. Bangalore) HOD
G. Ram Mohan Reddy, Ph.D. (Edinburgh, 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)
Jaidhar C D, Ph.D. (NIT, Tiruchirapalli)
Nagamma Patil, Ph.D. (IIT, Roorkee)

Department of Mathematical & Computational Sciences

Professors:

Keshava Prasad Halemane, Ph.D. (Carnegie-Mellon Univ. U.S.A.)
Robert John D'Souza, Ph.D. (I.I.T. Delhi) retired on 31.1.2015
A. Kandaswamy, Ph.D. (I.I.T. Bombay)
Suresh M. Hegde, Ph.D. (Delhi Univ.)
Santhosh George, Ph.D. (Goa University)
Murulidhar N.N., Ph.D. (I.I.T. Bombay) HOD

Associate Professors:

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

Assistant Professors:

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

Department of Mechanical Engineering

Professors:

K.K. Appu Kuttan, Ph.D (I.I.T. Madras) on deputation to MANIT, Bhopal as Director from 27.9.2011
P. Mohanan, Ph.D. (I.I.T. Delhi)
T.P. Ashok Babu, Ph.D. (I.I.T. Delhi)
G.C. Mohan Kumar, Ph.D. (IIT, Chennai)
H. Suresh Hebbar, Ph.D. (I.I.T. Delhi)
Prasad Krishna, Ph.D., (Univ. of Michigan, Ann Arbor, USA) HOD till 21.1.2015

Satyabodh M Kulkarni, Ph.D. (I.I.Sc., Bangalore)
Gangadharan K.V., Ph.D. (I.I.T., Madras) HOD from 22.1.2015
Ravi Kiran Kadoli, Ph.D. (IIT, Madras)
Vijay Desai, M.E. (Ph.D. NITK)
Narendranath S., Ph.D. (IIT, Kharagpur)
Shrikantha, Ph.D. (NITK) from 11.3.2015

Associate professors

Y. Suresh Kumar, M.E. (Mysore Univ.)
Srikantha M., Ph.D. (NITK) till 10.3.2015
S.M. Murigendrappa, Ph.D. (I.I.T., Bombay)

Assistant Professors

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

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

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

Associate Professor:

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

Assistant Professor:

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

Department Of Metallurgical & Materials Engineering

Professors:

K. Rajendra Udupa, Ph.D. (I.I.Sc. Bangalore)
A.O. Surendranathan, Ph.D. (Mangalore University)
K. Narayana Prabhu, Ph.D. (Mangalore Univ.)HOD till 19.4.2014
Jagannatha Nayak, Ph.D. (NITK) HOD from 20.4.2014

Associate Professor:

P. Laxshminarayana Reddy, Ph.D. (I.I.T. Bombay) VRS from 15.7.2014
Udaya Bhat, Ph.D. (I.I.Sc., Bangalore)
Anandan Srinivasan, Ph.D. (I.I.T., Kharagpur)

Assistant Professor:

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

Department of Physics

Professor:

G.K. Shivakumar, Ph.D. (Sardar Patel Univ., Gujarat)
G. Umesh, Ph.D. (I.I.T. - Delhi) on deputation (CUK) till 31.12.2014
Kasturi V Bangera, Ph.D. (Mangalore Univ.)
H.D. Shashikala Ph.D (Osmania Univ.)
Udayashankar N.K., Ph.D. (I.I.Sc. Bangalore) HOD

Associate Professor:

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

Assistant Professors:

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

ADMINISTRATIVE AND OTHER STAFF

Registrar i/c:

Ravindranath K., M.A. (Mangalore University) till 8.3.2015 (Registrar from 9.3.2015)

Assistant Registrars

Kamlabh Kumar Singh, (M.Sc.,M.S., MBA), 1.7.2013

Soumen Karmakar, (MBA), 8.7.2013

Bansod Pritam Ramesh, (M.Com, MBA) 10.3.2014

Gaurav Chowdhury, (MBA), 11.3.2014

Deputy Registrar (Accounts):

Ram Mohan Y, M.Com. (Mysore), LL.B. (Mangalore University)

Chandra Shekara Shetty, Internal Audit Officer on contract basis from 17.10.2007

Resident Engineer i/c :

M.K.Nagaraj, Ph.D. w.e.f. 9.7.2014

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:

Narendranath S, Ph.D. from 1.4.2014

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/Security Officer 10.3.2015:

Manohar Karanth

Chief Vigilance Officer:

K Rajendra Udupa, Ph.D. from 24.2.2014

Central Public Information Officer (CPIO):

K. Ravindranath, Dy. Registrar(Academic)

OTHER SECTIONS

Department of Training & Placement

Professor:

Lakshman N, Ph.D. from 1.4.2014

Industry Institute Partnership Cell
Professor I/c.:

Full Time Officer:

G S Dwarakish, Ph.D.

SC/ST Cell

B M Doddamani, Ph.D. from 16.5.2013

Physical Education

Physical Director:

Vacant

Assistant Physical Director Sr. Scale:

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

SAS Officer

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

Manoj, MPEd (Mangalore University) 11.3.2015

Library

Librarian:

Vacant from 17.5.2011

Asst. Librarian:

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

Iranna M Shettar (M.Lisc., M. Phil) 26.3.2014

Central Computer Centre

Chairman / System Manager:

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

Scientific Officer:

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

NITK - Science & Technology Entrepreneurs' Park

Director:

Suresh Bhat, B.E., M.B.A., P.G.D.C.A. till 30.6.2014

K B Kiran, Ph.D. incharge from 1.7.2014

R&D Centre on Clay Roofing Tiles

Faculty Incharge:

K Chandrasekaran, Ph.D. from 1.4.2014

**NTMIS - Nodal Centre - Karnataka State
Project Officer I/c.:**

B M Doddamani, Ph.D.

**Centre for Continuing Education
Chairman**

S M Hegde, Ph.D., from 1.4.2014

**Dakshina Kannada Nirmithi Kendra
Cordinator:**

K.S Babu Narayan, Ph.D.

Project Manager:

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

NON-ACADEMIC STAFF (NON-TEACHING)

Sl.No	Name of the Posts	In Position as on 31-03-2014
1	Registrar	1
2	Dy. Registrar (A/C's)	1
3	Asst. Registrar (Admin)	1
4	Asst.Registrar (Accounts)	1
5	Asst.Registrar (Academic)	2
6	Medical Officer	2
7	Senior Scientific Officer	1
8	Assistant Librarian	2
9	SAS Officer	2
10	Security Officer	1
11	Senior Superintendent	1
12	Superintendent	3
13	Senior Secretary	1
14	Junior Assistant	15
15	Senior Assistant	32
16	Asst.Selection Grade-II	1
17	Asst.Selection Grade-I	7
18	Senior Stenographer	1

19	Stenographer (SG - II)	4
20	Technical Assistant	3
21	Senior Technical Assistant	7
22	Technical Assistant (SG- II)	1
23	Assistant Engineer	12
24	Assistant Executive Engineer	19
25	Executive Engineer	3
26	Work Assistant	5
27	Senior work Assistant	1
28	Work Assistant (SG - II)	1
29	Technician	1
30	Senior Technician	10
31	Technician (SG-II)	3
32	Attendant	30
33	Senior Attendant	15
34	Senior Security Guard	2
Total		192

11.0 FACILITIES/AMENITIES

11.1 Hostels

The Institute reopened on 23/07/2014 for Under-graduate and Post-graduate studies as per Academic Calendar for the year 2014-15. All the students including foreign students are accommodated in the hostels as per the following details:

	Male	Female	Total No. of Hostellers
Undergraduate Programmes	2629	544	3173
Postgraduate Programmes (M.Tech)	620	253	873
PhD	175	54	229
M.B.A	47	18	65
M.Sc.	24	48	72
MCA	177	72	249
Total	3672	989	4661

Male students are accommodated in Eleven Hostel Blocks. First year UG students are accommodated in I Block, II Block and VII Block Hostels. Second year UG students are accommodated in III Block, IV Block and V Block Hostels. Third and Fourth UG students are accommodated in Mega Hostels. PG students are accommodated in PG Block, V Block, VII block, VIII Block and Mega Hostel Blocks and PhD students are accommodated in VII Block Hostel and Mega Hostel block. There are four hostels for Lady Students with total accommodation capacity is 794 Nos. The remaining students were accommodated in common halls of girls hostel blocks and in MS building.

There are 11 messes operating in various hostel blocks to cater the needs of inmates. Out of which two vegetarian messes are running in girl's hostel and 8 vegetarian messes and one non-veg mess are running in boy's hostel. All the messes are provided with necessary infrastructure to cater to the different food habits of the students drawn from various parts of the country. The messes are managed by the active participation of the Mess Managers in preparation of the menu and other issues related to the management of the messes. Monthly mess bill accounts were audited by verifying the mess cards, extra milk and stock sheets, cash and credit guest registers, purchase registers, mess issue register, mess bill calculation registers, petty cash book with vouchers and other records connected with monthly mess bill. Rationalization method was adopted to avoid the rate difference problem of various messes. Three groups of messes were made. They are as follows

- Girls hostel and International Hostel
- Hostel Block One , Two, Three, Five, PG, Eighth, and Mega Hostel
- Fourth Block Non-Veg mess

Rate per day of each group will remain uniform. Total mess membership varies in every month. Out of the 11 messes, VII block mess, PG block mess, Mega Hostel Mess and Non-Veg messes are managed by the contractors.

Reading Room Committee

Reading room in the Hostel is provided with books and periodicals of different languages. A separate section of the reading Room has been functioning in V Block hostel. This section is managed by a separate elected students committee. The reading room committee organized CRRESCNDO 2015 during March 20-22, 2015 in a grand manner.

Recreation committee

The Recreation Committee constituted by election, looks after the sports activities of the residents of the hostels and provides indoor game facilities. The recreation committee organized flood light cricket, basket ball and foot ball tournaments during February-March 2015. Overall Reading Room and Recreation committee have done their job in a commendable manner. The Cable TV facility existing in the campus has been extended to all the hostels. All the Hostel Rooms (Boys and Girls) have connected with Internet facilities.

During the year under report, Medical Relief to the tune of Rs.26523/- has been sanctioned to students of the hostel blocks as per the recommendation of the Block Warden and Institute Resident Medical Officers, for their hospitalization in nearby Surathkal/Mangalore hospitals for treatment. This amount is met out of the fund created under "Self Sustaining Medicare Scheme" which is created by collecting Rs.35/- per student per semester.

Students advisory Committee is formed in each block for effective- interaction between the Wardens and students. To improve the accounting process, computerization of accounts have already been initiated. To receive feedbacks related to messes online feedback system is initiated. For maintenance related issues a online room condition form and online complaint registration system is initiated. All the accounts of the hostels are duly audited by a Chartered Accountant.

Prof. Narendranath S. is working as a Professor in-charge Hostel Affairs NITK Hostels.

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

Narendranath S. , Ph.D.	- Professor in-charge Hostel Affairs
Sri. Vasudeva M.	- Warden (Finance)
Basavaraju Manu, Ph.D.	- Warden, I Hostel Block
M.N. Satyanarayan, Ph.D.	- Warden, II Hostel Block
C. Rajasekaran, Ph.D.	- Warden, III Hostel Block
Jaidhar C. D. , Ph.D.	- Warden, IV Hostel Block
Paresch Chandra Deka , Ph.D.	- Warden, V Hostel Block
Biju R. Mohan , Ph.D.	- Warden, PG Hostel Block
Patipati Srihari, Ph.D.	- Warden, VII Hostel Block
P Sam Johnson, Ph.D.	- Warden, VIII Hostel Block
Debashisha Jena, Ph.D.	- Warden, Mega Hostel Tower II
Shashidhar G Koolagudi, Ph.D.	- Warden, Mega Hostel Tower II
Ramprasad Choudhary, Ph.D.	- Warden, Mega Hostel Tower III
Shashibhushan Arya, Ph.D.	- Warden, Mega Hostel Tower III
Jagadeeshbabu P.E. , Ph.D.	- Warden, Mega Hostel Tower I
Dattatraya Narayan Gaonkar , Ph.D.	- Warden, Mega Hostel Tower I
Bijuna C. Mohan, Ph.D.	- Warden, Girls Hostel I, II, III Block
C.P. Devatha, Ph.D.	- Warden, Girls Hostel IV 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 function of the hostel activities.

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

11.2 CENTRAL COMPUTER CENTRE

CCC provides the campus backbone services with about 20 kms of 12 core OFC using 1 Gbps and 10 Gbps backbone to the different buildings and broad band to the residences.

The data centre acts as an integration hub of OFC/backbone. It houses the 155 Mbps Internet connection to BSNL, the Gbps link to the National Knowledge Network (Internet bandwidth about 330 Mbps), associated networking equipments and sufficient hardware to handle the critical backbone network services. Additional bandwidth is recommended.

Main servers are connected to the data centre network. Critical services are accessible from inside and outside the network. CCC Uses Blade servers with VMWare and the old servers are being migrated to the virtual platform.

Departments, residences (through the broadband), directorate (and administrative net), guest houses, and hostels are individually connected to the core switch.

At present, the hostel networks are integrated into the academic network of NITK sharing the Internet bandwidth of the Institute. The hostels have a total of 3000 nodes which will increase to approximately 5000 nodes.

The academic LAN is about 2000 nodes at present. However, this is likely to go up once the new building are included.

CCC LAN

CCC augments the academic departments needs through its own modest LAN of 62 nodes (Ground floor) and 84 nodes (First floor).

The ground floor hall is used for the first year computational practice laboratory and is available for other activities only after the lab-hours. The first floor hall is available for general purpose computing and browsing. The computers of CCC are used to support First year Computational Practice Labs, General Purpose Learning and Internet access, On-Line tests (training and placement) and various co-curricular and other student activities.

Facility Management

The network infrastructure facility management of NITK is outsourced. Comprehensive on site AMC is available for the Network switches. There is a helpdesk number 0824-2473085. There is also a rate contract with the firm to facilitate any immediate need of network alternations within a limit. Tender system if the purchase cost is above Rs. One lakh.

Power

The facility has a 200 KVA Diesel generator that was established in 1994 and two 20KVA and one 15 KVA online UPS systems procured later for providing backup power during the changeover. Two 15 KVA UPS systems provide the power backup to the CCC LAN. The 33 KV electrical substation established recently has increased the power availability significantly resulting in better availability of campus LAN.

CCC's Goals

1. To render 24x computer and network services reliably
2. To reduce the wastage of Internet Bandwidth

3. To expand the DATA Centre facilities.

4. To become the Nodal Centre of an integrated IT service platform for NITK that meets the user expectations.

11.3 LIBRARY

The Institute has a modern Central Library and continues to offer automated library services to its clientele. This Library functions as an important and vital component of the Institute information systems. Located centrally in the main building area of the Campus and it can accommodate more than 500 students/users at a time. The collection of books is 1,35,000 including Book-Bank books, online e-Books subscribes 413 print journals for all the disciplines. We have access to 8000 plus online Journals through INDEST. This year we have purchased 420 online full text journals from Taylor & Francis Database Vendors. The total area is 2758.56sq.meters including the extended floors as an additional space for reading hall.

The Central Library has received “**Highest User Award for IEL online (IEE Explore)**” in 2014 amongst INDEST-AICTE Consortium Level 2 member’s category.

GENESIS AND GROWTH:

NITK Central Library established in the year 1960 is provided with modern facilities and offers automated library services to its clientele comprising of about 6000 users namely undergraduate and postgraduate students, research scholars, faculty members and supporting staff of various departments of the institute. NITK library also gives the facility of institution membership to educational institutes and industries located in and around Mangalore. This Library is located in an independent building with a carpet area of 2759 sq meters in the centre of the Campus and it can accommodate more than 500 students/users at a time. At present, the library has a collection of around 1,35,000 books besides subscribing to around 413 National and International Print Journals.

INFRASTRUCTURE:

The Central Library has Wi-Fi connectivity with more 25 personal computers in Digital Library section. The Library day-to-day operations are automated and issue and return of all the books are done through computers. The computer terminals provided at the counter near entrance and can be used to gain information regarding status of any document and other particulars of any book/collection. The Library activities have been computerized using the LIBSYS software. A bar coded system of issue and returning books is currently in use.

LIBRARY AUTOMATION PROGRAMME:

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

Up-to-date information about Books, Periodicals, and Back Volumes of periodicals are available on OPAC in the computer. All computers are under LAN System.

ON-LINE SERVICES:

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

DIGITAL LIBRARY:

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

SOME OF THE SERVICES AVAILABLE IN THE DIGITAL LIBRARY ARE:

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

BOOK-BANK:

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

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

The following facilities have already been introduced in the Library:

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

Borrowing Privileges and Renewal:

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

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

Services provided by the Library:

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

Other Activities:

- a. For fresher of U.G. and P.G. courses, Library conducted orientation classes in the beginning of the academic year.

- b. The Library is publishing list of "New Arrivals" Bimonthly & sending the same to all Faculty members through e-mail.
- c. The Library provides practical training to the Diploma students of Library Science from the Government Polytechnic for Women, Mangalore and Apprentice Training programme is also conducting.
- d. Library is also providing the SDI Service (Selective Dissemination of Information) on the various on-going Research Projects sponsored by the NITK, D.S.T., C.S.I.R. and other Research Organization etc. Under-Graduates, Post-Graduates and Research Scholars are also making use of these services for their project works. Seminars and Information Retrieval Services by using Computer.
- e. Services to Industries, Educational Institutions, Government Establishments, the neighboring Govt. Departments, Educational Institutions and Industries are using this Library services quite often.
- f. Membership fee Rs.1,000/- per card and maximum of Rs.5,000/- (5 cards) introduced to the industries and several industries are members to this Library.
- g. The Library has an Inter Library Loan facility with leading Institutions and G.O.I. Establishment.
- h. Member of National Information Center for Machine Tools and Production Engineering (NICMAP), CMTI, Bangalore.

Publications:

Conference

Sl. No.	Title of Paper	Conference Name, Place, Dates, Page Number	Author (s)
1	Knowledge Management in Libraries of Technical Institutes: An Overview	ICBKC 2015 (International Conference on Building Knowledge Centers – 2015) January 1-2, 2015 NMAM Institute of Technology, Nitte, IndiaI	Iranna Shettar

11.4 LABORATORIES

Department of Applied Mechanics And Hydraulics

Name of the lab.	Major equipments/facilities
Hydraulics Laboratory	Flow Measuring Units Pumps , Water meters Calibration Devices Hydraulic Machines Pressure Gauges Valves Tilting flume Pipe bursting unit Ultrasound flow meter Basic Hydrology Unit
Strength of Materials Laboratory	U.T.M 5 T, 40 T, 100 T, 200 T (Electronic) Hardness Testing M/c Torsion Testing M/c

Marine – Geotechnical Laboratory	Triaxial Apparatus Marine Soil Investigation Consolidation Apparatus Direct Shear Apparatus Photo Elastic Bench Corrosion Measurement Voltage system
Wave Mechanics Laboratory	Regular Wave Flume [50 X 0.71 X 1.1 m] – 2 No.s Digital Storage Oscilloscope with software Wave probe with software
Hydraulic measurement Laboratory	Ultrasonic Testing Kit Pen Type pH meter TDS meter Electronic Balance Conductivity meter Turbidity meter Spectrophotometer
Remote Sensing & GIS Laboratory	Computer systems : 20 No.s Printer, scanner Procom –II Stereoscopes Ground truth Radiometer Digital Planimeters Aerial & Satellite Photographs ARCPAD GPS Softwares : ERDAS- Imagine, PC ARCINFO Master Lab. Kit , Geomedia Professional. Distance measurement equipment
Computer Laboratory	Computer systems : 15 No.s Laser printer

Department of Chemical Engineering

Name of Laboratory	Major Equipment/Facilities
Chemical Reaction Engineering & Process Control & Simulation Laboratory	High Pressure high temperature gas liquid phase reactor
Heat Transfer Lab	Respirable dust sampler APM460BL & Thermoelectrically cooled gaseous sampling, , Shell and Tube Heat Exchanger, Electrically Heated Boiler, Spray Tower, Parallell Flow /Counter Flow / Double Pipe Heat exchanger, Pool Boiling Heat Transfer Apparatus, Forced Convection Heat Transfer, Natural Convection Heat Transfer, Stefan boltzman apparatus, Thermal conductivity of insulalting

	Powders, Horizontal Condenser & Vertical Condenser Steam , P .M 2.5 /10 Micron Fine Dust sampler, Quartz Emersion reactor, Air pre heater, Nitrate Anylyser, Bench top Fermentor, Peristaltic pump with digital Display, Eddy Current Drive with Brake, Ozone Anylser, pyrolysis Plant, Stirred Cell Membrane Unit
Particulate Technology lab.	ozone Generator-L4g,
Momentum Transfer Lab	Micro Wave Ashing System,
Mass Transfer Lab	Liquid Extraction in Packed Bed, Vertical Tube Evaporator, Packed Distillation Column, Absorption in Packed Tower, Fluidized Bed Dryer (With air circulation), Wetted Wall Column (with air circulation), Batch Crystallizer, Forced Draft Tray Dryer,
Testing and consultancy/Technical analysis Lab	Ozone Generator, Ozone analyser, High temperature gas-liquid phase reactor UV-VIS Spectrophotometer, Gas chromatograph, B.O.D. Incubator, C.O.D. Digester, Microscope, Iso-kinetic Stack Monitoring kit, Digital nephelometer (turbidity meter, High Pressure high Flow Gas Purification & Control panel Zero air, 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
Advance Instrumentation Lab	HPLC , GC-MS, Nanodrop Spectrophotometer, Atomic absorption spectrophotometer with Graphite Furnace and hydride generator, Compound Microscope, TOC analyser, Program Temperature Control System, Electrochemical Workstation, cell, carbon electrode, DO Probe & DO Transmitter, 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 Spectrophoto meter, Ion Chromatography; Horizontal laminar flow work station; Membrane Testing system; Distillation Unit; Incubating Orbital Shaker;
Industrial Biotechnology Lab	Biosafety Cabinet, CO2 Incubator, Incubator - Electronic orbitek LT, Incubator - Electronic orbitek Refirgerated LE, Microwave Oven, Laboratory Centrifuge, Infra -red TN Turbidity Meter, Autoclave (vertical), Micro controlled Spectrophoto meter, UV VIS Spectrometer, Cryostat bath, Deep freezer,
Environmental Immunology Laboratory	Ultra Sonic Water Bath, Deep freezer 2 nos ups 2kva, PM 2.5 mini volume sampler, Co2 Incubator, Refirgerated Centrifuge, High volume sampler, Micro plate reader, Meteorological Station, mini autoclave, ppendrof Centrifuge, Trinocular inverted microscope,
Project/Research lab.	RTC Basic Magnetic Stirrer, Eppendorf Centrifuge, Refrigerated Centrifuge, Refrigerated Heating Bath Circulator, Homogenizer, Digital Refractometer, Surface Tension analyser, Temperature Controlled controlled digital density meter, High Speed Refgerated

	Centrifuge, Muffle furnace, Static Mixure, Bacterial incubator. Horizontal laminar flow work station, Dry Bath with Heating BlockMembrane Testing system , Rotary shaker –Lead, Distillation Unit, Micro centrifuge Spinwin MC-02, Incubating Orbital Shaker 2 Nos,, Biological safety Cabinet, Rotating Disc Counter, ELCD Detector, Digital Viscometer, 6 stage Microbial Impactor, Eppendorf Centrifuge, Dosing pump with Pump head
Fermentation lab.	Table top high speed cooling centrifuge,
Departmental Computer Lab.	Dell / HP Computers, Software- Design Expert 8 Standalone perpetual & Academic Licence, Physical CD (DVD Media Kit), UNISIM software for Design, ANSYS Academic Research CPD Software Version 14.5 Latest,

Department of Civil Engineering

Name of Laboratory	Major Equipment/Facilities
Civil Engineering Material Testing Laboratory	3000 kN Compression Testing Machine Vee-Bee Test Apparatus, Rebound Hammer, Los Angeles Testing Machine
Earthquake Engineering Laboratory	Mini Shake Table, Accelerometers, Models of Beams & Buildings, Soil-Structure Interaction Study system. Computational facility for seismic response simulation and dynamic soil-structure interaction studies.
Environmental Engineering Laboratory	UV Spectro-photometer Voltametry, Gas Chromatograph HPLC, Ion selective electrode meter, Kjeldahl nitrogen distillation apparatus, Flame Photometer.
Geotechnical Laboratory	Tri-axial loading facility, Rock cutting facility, Nuclear Density Gauge, Permeability Test apparatus.

Transportation Engineering Laboratory	50 kN and 20 kN Fatigue Testing Machines, Gyrotory Compactor, Brookfield Rotational Viscometer, Immersion Wheel Tracking Device, Modified Marshall Test Setup, Pavement Core Drilling Device, Portable Pendulum Type Skid Resistance Tester, Portable Axle Load Weighing Pads, Portable Falling weight deflectometer & Ground Probing Radar (MHRD-TAT Project) Mini ROMDAS, Asphalt Mixers of Capacity 5 litre and 20 litre capacity. Asphalt Theoretical Density Tester. Wheel Rut Shaper and Wheel Rut Tester
Structures Laboratory	In-situ Ion Migration Tester, Muffle Furnace, Flexural loading system., Compression Testing Machine, Loading Frames, RCPT Test Apparatus, Corrosion Monitoring Unit
Survey Stores	Total Station, Auto Levels, Theodolites, Dumpy Levels

Department of Computer Engineering

Name of Laboratory	Major Equipment/Facilities
Core Computing Lab	Brand: Dell Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS. Brand: Lenovo, Lenovo Thinkcentre, Intel Dual Core 3GHZ, 1GB RAM, 140 GB HDD, 17" TFT Monitor. OS: Windows XP/Ubuntu Linux, Number of Systems: 50(45+05) Used for conducting regular UG Lab classes.
Software Engineering Lab	Brand: Dell Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS, Number of Systems: 32, Used for conducting regular UG Lab classes.
Intel E-commerce & Internet Technology Lab	BrandDell Optiplex 9020MT, 4 th Generation Intel Core i7-4770 quad-core, 16GB DDR3 RAM , 1 TB SATA HDD, DVD RW, NVIDIA Getforce GTX 645, 1 GB Graphics card, 21" wide TFT monitor with Windows 8.1 Professional OS, Number of Systems: 13, Used for conducting regular UG Lab classes.
Research Lab	Brand: Dell, Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7 /Ubuntu OS, Number of Systems: 05, Ph.D. /Research Work

Name of Laboratory	Major Equipment/Facilities
Cloud Computing Lab	Brand: Dell, Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS. Brand: Dell Precision T1650, Intel Core-i7-3770, 3.9 GHz , 8GB DDR3 RAM, NVIDIA Quadro 2000 graphics with 192 CUDA Core, 19" Wide LCD TFT Monitor with Windows 7 Professional/Ubuntu OS, Number of Systems: 15 (12+3), Used for Ph.D./ Research Work.
Distributed Computing Lab	Brand: Dell Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS, Number of Systems: 05, Used for PhD/Research Work
Secure Software Systems Lab	Brand: Lenovo Thinkcentre M90, Intel core-i7, 870 2.93GHZ, 4C/8T, 8GB DDR3 RAM, 1TB SATA HDD, 18.5" TFT Monitor, OS: Windows 7 professional/ Ubuntu OS. Brand: Lenovo Lenovo Thinkcentre M90, Intel core-i7, 870 2.93GHZ, 4C/8T, 4GB DDR3 RAM, 500 GB SATA HDD, 18.5" TFT Monitor, OS: Windows 7 professional/Ubuntu OS, Number of Systems: 53(30+23). Used for First year M.Tech (CSE, CSE-IS) students.
Information Security Lab	Brand: Dell Optiplex 9010DT, Intel Core-i7, 3770, 3.4 Ghz, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/ Ubuntu OS, Number of Systems: 25, Used for second year M.Tech.(IS) Project students.
PG Project Lab -1	Brand: Dell Optiplex 9010DT, Intel Core-i7, 3770, 8GB DDR3 SDRAM, 500 GB SATA HDD, 18.5" LCD TFT Monitor with Windows 7/Ubuntu OS, Number of Systems: 25. Used for second year M.Tech. (CSE) Project Work.
PG Project Lab -II	Brand: Acer, Intel Core i5 750, 8MB L2 Cache, 4GB RAM, 500 GB SATA HDD, 19" wide TFT monitor with Windows 7 Professional, Number of Systems: 20, Used for conducting regular UG Lab classes. Number of Systems: 10. Used for second year M.Tech.(CSE) Project Work.
Image and Speech Processing Lab	Brand : Lenovo Thinkstation - Workstation, Intel Xeon E5-2650 v2 8 core, 2.6 Ghz upto 3.4 Ghz, 23" wide TFT monitor LED backlight, F&D A521, 2.1 Speakers with Windows 8 Professional with Ubuntu 13.10, Number of Systems: 20. Used for Ph.D./Research Work.
Digital Electronics Lab	Digital IC Trainer Kit, Digital IC Tester and other accessories for UG hardware lab class.
Data Centre/IBM Open Power Lab	SERVER CLASS SYSTEMS (Total Servers: 09)

Name of Laboratory	Major Equipment/Facilities
	<p>Brand: DELL Power Edge T630 - 3 No.(s) Hexa Core Intel Xeon E5-2620 v3 processor based Tower server, 15 MB cache, 64 GB DDR4 RDIMM RAM, 1.2 TB X 4=4.8TB HDD SAS RAID5 with 512MB cache, DVD RW, 2 redundant 750W power supply with hot swap, 4X1 GbE with Ubuntu 14.10 Server Edition</p> <p>Brand: DELL Power Edge T720 - 1 No.(s) 6 Core Intel Xeon E5-2640 processor based 2U rack server, 15 MB cache, 64 GB RDIMM RAM, 1TB X 6=6TB HDD RAID5 with 512MB flash SAS, DVD RW, 2 redundant 750W power supply with hot swap, 4X1 GbE with Ubuntu 12.10 Server Edition.</p> <p>Brand: DELL Power Edge R420 – 1 No.(s) 6 Core Intel Xeon E5-2420 processor based rack server, 15MB cache with 32 GB RDIMM, 4X300GB 15K RPM, 6Gbps SAS HDD, PERC H710 integrated RAID controller, Dual Hot plug power supply 550W, Broadcom Gigabit Ethernet dual ports with Windows 2013 Server Edition.</p> <p>Brand: DELL Power Edge R420 – 1 No.(s) 6 Core Intel Xeon E5-2420 processor based rack server, 15 MB cache with 32 GB RDIMM, 4X300GB 15K RPM, 6Gbps SAS HDD, PERC H710 integrated RAID controller, Dual Hot plug power supply 550W, Broadcom Gigabit Ethernet dual ports with Ubuntu 12.10 Server Edition.</p> <p>Brand DELL Power Edge T710, - 1 No.(s) 6 Core Intel Xeon E5645 2.40 Ghz dual processor, 12 MB L3 cache, 24 GB DDR3 RAM, 3.0 TB hot swap SAS HDDs, Integrated RAID , DVD RW, Integrated dual gigabit Ethernet with Red Hat 6.0 Enterprise AE.</p> <p>Brand IBM Xeon Server - 1 No.(s) IBM Intel Xeon 236 series, 3.6 GHz, Dual Processors, 4 GB RAM, (300x2) 600 GB SCSI HDD, DVD Re-writer with REID control and other Server Management Kit Dual port GbE Ethernet controller with Ubuntu 12.10 Server Edition</p> <p>Brand IBM Xeon Server - 1 No.(s) IBM Intel Xeon 236 series, 3.6 GHz Dual Processors, 2GB RAM, (140x2) 280 GB SCSI HDD, DVD Re-writer, Dual port GbE Ethernet controller with Windows 2003 Server Edition.</p> <p>IBM OPEN POWER SERVER(No. of Power Servers: 02)</p> <ul style="list-style-type: none"> ▪ IBM p-Series Server Model 9131/52A – Hardware Management Console with 2 High end Power Pc’s. Each

Name of Laboratory	Major Equipment/Facilities
	Power Pc's consists of 4 Power PC 64 bit processors, 9216 MB RAM, Redundant SMPS, Tape storage device and HMC Firmware(for Managing Power cycling, Maintenance and other related Administrative activities) installed with various Linux OS(Debian, Ubuntu) These servers are used for system Administration and Conducting regular laboratory classes, Project and Research Works

Department of Chemistry

Name of Laboratory	Major Equipment/Facilities
Membrane technology Laboratory	Membrane casting, salt rejection equipment, Rotavapor etc.

Department of Electrical and Electronics Engineering

Name of Laboratory	Major Equipment/Facilities
High voltage testing laboratory	100kV impulse generator, HV standard capacitor, 5kV Insulation tester, Oil test kit
Electric Machines and Drives laboratory	DSP Based drive control units V/F controls, Machine Design software (Speed, Motorpro), Filed analysis software (MAXWELL 3DFS Rexroth INDRAMAT drive unit with AC servo motors
Power Electronics Laboratory	DSPACE – Rapid prototyping unit, Converter / Inverter modules, Power Device (SCR, IGBT, GTO) modules
Power system Dynamics lab	RMEPERT, 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. 1.2 kW Fuel cell based experimental system.
Analog Electronics Laboratory	Comprises of trainer kit based systems to understand linear and nonlinear configuration of Operational amplifier (IC 741) and Timer (IC 555) based circuits.
Digital Electronics Laboratory	Comprises of trainer kit based systems to understand functioning of basic and universal logic gates, Combinational circuits and Sequential circuits

Signals and Systems Laboratory	MathWorks based computational platform to model and characterize the continuous and discrete time signal and system characteristics in time and frequency domain.
DSP Laboratory	On using MathWorks based computational platform to write the code and uses of Simulink to understand the application of signal transformation in Linear and Nonlinear mixing, in typical communication systems such as AM, FM process. Understanding of Phase lock loop (PLL) functioning, Approximation of Ideal filter responses using FIR and IIR filters.

Department of Electronics And Communication Engineering

Name of Laboratory	Major Equipment/Facilities
Analog Electronics Lab	Digital Storage Oscilloscope Function Generator DC Regulated Power Supply Analog/Digital IC Tester
Digital Electronics Lab	Logic Analyzer benchtop 34 Channel Digital Trainer Analog/Digital IC Tester
Integrated Electronics Lab (Research Lab for Ph. D. Students)	Dell Workstations Access to all design tools in the other labs
Communication Lab	Digital Storage Oscilloscope Function Generator DC Regulated Power Supply Microwave X band benches Antenna Trainer Outdoor FSO Link Setup (Lightpoint) Wireless Comm Trainer Kits(2 set ups) Workstations LD Driver, LD Module, PD Module Power Meter Fibre Optic Power Source Optical Fibre Trainer LD Modulator (Transmitter) FORX-200m(Receiver) Fiber Optics Kits Wireless Sensor Network Professional Kit with Tools Qualnet Network Simulator Qualnet Network Simulator Tools Wireless digital communication training system (Wi-Communication-T), Outdoor free space optic (FSO) link.
RF Communication Lab	RF Equipments: 3GHz Spectrum Analyzer RF Training Kit

	<p>RF Signal Generator Vector Network analyzer 40GHz & Accessories 3GHz Network Analyzer 100MHz Mixed Signal Oscilloscope 80MHz Function/Arbitrary Waveform Generator Digital Multimeter 6.5 digit Triple Output DC Regulator Power Supply Electronic Instrumentation Training Kit RF Tools – HFSS, CST Microwave Studio Digital Source meter with Safety universal Test Lead kit Software: Genesis Core Bundle License Agilent VEE 8.5 , ADS 10 User Licence, Optsim 5 User Licence</p>
VLSI Lab	<p>Dell Precision T1500 & T1600 with Intel core I7-870 Workstations File Server Cadence Design suite, Synopsys EDA Tools Mentor Graphics Tools Xilinx Tools Tanner Tools</p>
DSP Lab	<p>Dell Optiplex 9020 with Intel core I7-4790 CPU @ 3.60GHz 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 Systems Lab	<p>Cadance ORCAD PSPICE A/D, PCB design tools Matlab, Simulink, ARM based code development tools</p>
Network Management Lab	<p>Foundry N/w's FastIron Edge X424</p>
R&D Lab (Research Lab for MTech)	<p>Dell Precision T1500 with Intel core I7-870 Workstations Access to all design tools in the other labs</p>
Centre for Excellence for Wireless Sensor Networks	<p>Work stations, WSN Design kits, Qualnet SW, NETSIM SW, Sensors</p>

Department of Humanities, Social Sciences and Management

Name of Laboratory	Major Equipment/Facilities
Language lab	Software and 15 computers

Department of Information Technology

Name of Laboratory	Major Equipment/Facilities
Digital Design Lab – I	DIGITAL IC TRAINER Model - UDT 4004-20 DIGITAL IC TESTER MME-DIT 2040-1
Digital Design Lab – II	DIGITAL IC TRAINER Model – ML 555T-20 DIGITAL IC TESTER MME-DIT 2040-1
Research Laboratory	<p>Desktop: HP Compaq 8200 Elite MT PC-3 HP Compaq 8300 Elite MT PC -4 HP Compaq dc 7900 Convertible Minitower -3 Dell 9010 DT-26761536 optiplex M-1 Workstation: HP Z800Workstation SGH030TDHR (GPU Computing Server)-1 HP xw4400 workstation-2</p> <p>Servers: 8841 45A IBM e server x236(99KYD74)-1 HP ProLiant ML570 G4 7120M 3.0GHz Tower Server-1 DL160 G6 E5504 HOT PL UG SERVER -1 AH234 A HP RX2660 SERVER (intergrity server)-1 Brand Connoi Mode Ntpsc T7025 Fermi-1 HP SR 638181-371 ML-350 E5645 SFF/6/GB SERVER-1 Server Dell Power Edge R420 (Batch - 3L22HY1, 4K22HY1)N- Computing L-300 0 client Access-2 IBM P Series P270 8202 4EC SERVER-1</p>
Internet Technology Laboratory	<p>Desktop: HP Compaq dx 2700 MT PC-4 IBM Think centre/IBM Net vista-5 Dell Optiplex 755-1 IBM Thinkcenter (IBM, 8116A11)-5 HP Compaq dc 7900 Convertible Minitower -1</p> <p>Workstations: HP xw4400 workstation-3</p>
Virtualization Lab	N Computing L300 Clients -20
Post Graduate Lab –I	<p>Desktop: HP Compaq 8100 Elite MT PC-29 HP Compaq 8200 Elite MT PC-1</p> <p>Cameras: Serveillance Setup Dlink DCS 2103 CAMERADCS 2103-2</p>
Post Graduate Lab – II	<p>Desktop: HP Compaq 8200 Elite MT PC-26 HP Compaq 8100 Elite MT PC-1 HP Compaq 8300 Elite MT PC -1</p> <p>Cameras: Serveillance Setup</p>

	Dlink DCS 2103 CAMERADCS 2103-2
Project Laboratory	Desktop: HP EliteDesk 800 G1 TWR -13 HP Compaq dc 7900 Convertible Minitower -3 HP Compaq dx 2700 MT PC-4 Dell Optiplex 755-3 IBM Thinkcenter (IBM, 8116A11)-7 Workstations: Dell Precision T1700-3 HP xw4400 workstation-7
Undergraduate Lab -I	Desktop: Lenovo Think M90(5498-PR1)-56, HP Compaq dc 7900 Convertible Minitower - 4 Cameras: Serveillance Setup Dlink DCS 2103 CAMERADCS 2103-3 MIC Systems: KQ-SRS-1112 Infrared Sound Field Reinforcement System-1
Undergraduate Lab -II	Desktop: HP Compaq 8200 Elite MT PC-26, HP Compaq 8300 Elite MT PC-22 HP Compaq 8300 Elite Small Form Factor-1

Department of Mathematical And Computational Sciences

Name of Laboratory	Major Equipment/Facilities
MACS Lab	285 P.C.s

Department of Mechanical Engineering

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

Virtual lab in Mechanisms of Machines	Wireless accelerometer
Virtual Lab in Machine dynamics & Vibration	DAQ systems and sensors
Remote Triggered Lab on Mechanical vibrations	Lons Stroke shaker PS420, Accelerometer

Department of Mining Engineering

Name of Laboratory	Major Equipment/Facilities
1. Rock Mechanics Laboratory	Rock cutting machine Compression testing machine Schimiditt hammer Digital inclinometer Core drilling machine Other rock cutting facilities Ground Penetration Radar (GPR) Related Software (Fraglyst, Sirrovision and numerical modeling software)
2. Drilling and Blasting Laboratory	Minimates Minimate plus High speed video camera VOD monitor Laser profile, WIPFRAG software Jack hammer drilling set-up Air compressor
3. Mine Environmental Engineering Laboratory	Modified lathe machine for rock cutting Manometer, Crossing point temperature, Digital Methanometer, CO detector, Psychomotor and etc. Water pollution monitoring kit Respirable dust sampler Sound level meter, Gas testing set up Exhaust gas analyzer Multi gas detector Automatic weather monitoring system Personal & Heat stress monitoring Equipment Self-Contained breathing apparatus. Human vibration measuring apparatus Digital millivolt meter Machine vibration measuring apparatus Larson & Davis noise dose meter
4. Mineral Processing Laboratory	Jaw Crusher Roller Crusher Ball Mill Rod Mill Bond' Work Index Setup

	<p>Electro Magnetic Sieve Shaker Riffle Sampler Riffle Sampler Jigging Machine Wilfly's Table Density Seperator Automatic Mineral Seperator Hydro Cyclone Spiral Classifier Davis Tube Tester Electro Magnetic Drum Separator-Wet Electro Magnetic Drum Separator- Dry Froth Floatation Cell Auto Sampler-Psd-S Sampling / Crushing / Grinding - Integrated Unit Turbo Mixer Micro Mill Vaccum Filtaration Unit Disc Mill Pot Mill Double Deck Vibratory Screen Model Infrared Drier Spiral Concentrate Sieve Shaker</p>
5. Mine Surveying Laboratory	<p>Prismatic Compass, Surveyor Compass, Vernier Theodolite, Micro-Optic Theodolite, Dumpy level, Auto level, Digital level, Total station, Handheld GPS, DGPS. HP Compaq Presario Computer LCD Projector D-link manageable switch HP 3200 A4 scanner, HP 1010/1015 Laser printer, HP plotter Surpac Mine Planning Software Reliability software Sirovision software</p>
6. Mine Planning and Design Laboratory	
7. Mine Pollution Laboratory	<p>J K Sim blast software Merc SQ118 water quality analyzer High volume air sampler Respirable dust sampler Sound level meter Opacity meter Point sampler Beta attenuation meter Weather monitoring station</p>

Department of Metallurgical And Materials Engineering

Name of Laboratory	Major Equipment/Facilities
Extractive Metallurgy Lab	Crushers, Ball mill, Floatation cells, C&S analyzer, Sieve analyzer

Testing of materials lab	UTM, Instron, Wear testing machine, Hardness testers, NDT, Fatigue testing machine
Physical Metallurgy Lab	Metallography, Microhardness, X-Ray Diffractometer, Image Analyser, Dilatometer
Ceramics & Polymer Lab	UTM, Extruder, Mechanical simulator, Tg determinator, Viscometer, Electro spinning equipment
Heat treatment lab	Heat treatment furnaces, Thermal cycle furnaces
Metal finishing lab	Plating facilities
Foundry lab	Induction furnace, Permeability meter
Scanning Electron 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, GATAN ion milling unit.
Metal Processing Lab	Rolling mill, Precision cutting machines, 250 ton Hydraulic press
Corrosion Lab	Potentiostat and Impedance analyser
Coating lab	PVD facility, electron beam deposition set up. DC sputtering setup

Department of Physics

Name of Laboratory	Major Equipment/Facilities
UG Laboratory	➤ Experimental Kits (8 expt.s of 5 sets each)
PG Laboratory I	➤ Experimental Kits (7 expt.s of 2 sets each)
PG Laboratory II	Experimental Kits (7 expt.s) Vacuum Coating Unit (2 no.s)
Research Laboratories:	
Thin Film Laboratory	<ul style="list-style-type: none"> ➤ XRD ➤ Keithley Source Meter ➤ Keithley Multimeter ➤ Sputtering Unit ➤ Physical Deposition Unit ➤ Spray Pyrolysis Unit ➤ LCR Meter

<p>ptoelectronics Laboratory</p>	<ul style="list-style-type: none"> ➤ Optics Inc SD2000 spectrometer (UV vis spectra) ➤ Lux meter (Lutron) ➤ UVC Ozone Cleaning Unit ➤ Thermal evaporator ➤ Clean air flow bench ➤ OLED measurement system ➤ Keithley Sourcemeeter (model 2400). ➤ Jobin Yvon spectrometer with a CCD based detector or a silicon photodiode (SM1PD2A Mounted UV Enhanced Silicon Photodiode, 200-1100 nm Cathode Grounded) ➤ Optical power meter (Ophir Optronics, model NOVA II with PD300-UVdetector) ➤ Keithley 6485 Picoammeter ➤ Tektronix DMM 4040 6-1/2 Digit Precision Multimeter ➤ Agilent 34972A LXI Data Acquisition/ Switch unit ➤ Multioutput DC power supply model LQ6324 ➤ Agilent E4980A Precision LCR meter 20 Hz to 2 MHz ➤ Tektronix TDS 2002B Two channel Digital Storage Oscilloscope 60 MHz 1GS/s ➤ DH-3 UV-Vis-NIR Calibrated Light Source (Ocean Optics) ➤ RF Probe Station ➤ ISO BRUKER Precision Cutting Machine ➤ Q-switched Nd-YAG laser; Model GCR -170 from Spectra – Physics, USA.
<p>Crystal Growth Laboratory & Nano materials Laboratory</p>	<p>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</p>
<p>Material Processing Laboratory</p>	<p>CLEMEX Microhardness Tester Physical vapour deposition Polishing Machine Muffle furnace (Max Temp 1000⁰C) Low speed Diamond saw cutting Blade Abbe refractometer Analytical balance and Density kit High temperature furnace P H Meter U V Visible spectrometer Incubator, Ultra sonicator</p>

Materials Research Laboratory	<ul style="list-style-type: none"> ➤ Electrochemical Workstation (Bio-Logic SP150) (2 Nos) ➤ Keiethely Four probe system (Source meter) ➤ UV-Visible spectrometer (Ocean optics) ➤ Keiethely multimeter ➤ Sputtering Unit ➤ RF power system ➤ Probe sonicator ➤ Spin coater ➤ Centrifue ➤ Fume hood ➤ High temperature furnace ➤ Vacuum Oven ➤ Oven ➤ Precise temperature controllable stirrer ➤ Double distillation Unit
Analytical Instruments laboratory	Photoluminescence Spectrometer XRD
Computational Physics Laboratory	Dell server power edge

11.5 WORKSHOPS

Department of Applied Mechanics and Hydraulics

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

Department of Chemical Engineering

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

Department of Civil Engineering

Name of Workshop	Major Equipment/Facilities
Civil Engineering Department Workshop	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 Department Workshop	Lathe, drilling and welding machines along with work bench and other machine tool facilities

Department Of Mechanical Engineering

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

11.6 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.

11.7 PHYSICAL EDUCATION FACILITIES

Dept. of Physical Education and Games

FACILITIES/AMENITIES:

Physical Education: Department of Physical Education and Sports of this Institute has got excellent Sports infrastructures and facilities provided here is considered as one of the best among all NITs as well as among other Institutions and Universities of this State. Separate, Standard, well maintained play fields for all major games like 400Mts. Track for Athletics, 75 Yards Boundary Cricket field with 3 playing pitches, 70 yards boundary Cricket field with a matting wicket, 2 standard size Football fields, 2 Hockey fields with 2 pairs of goalposts with boards, 2 concrete Basketball courts with FG boards and Flood Light facilities, 1 Basketball concrete court at Girls Hostel with flood lights, 2 Volleyball courts with flood light facility, 2 Ball Badminton, 2 Throwball, 2 Kho-Kho, 2 Kabaddi, 2 Tennikoit courts are available for use. Provision is also there to put one Handball court with goal posts and one Baseball field with all Bases and other required amenities. An indoor hall with 3 Badminton courts and 4 TT tables with proper Lighting system, kept open for 15 hours of the day for students use. Weight training hall with Multi Gym, Mini Gym, Individual stations for all sorts of exercises, Weight

Lifting and Power Lifting Barbell sets with standard synthetic Platform, Fitness equipments like Jogger Treadmills, steppers, Rowing Machines, Bicycle Ergometers, Peck Decks and Abdominal shapers is open for use of everybody even during early mornings and late evenings. Above all these, like a jewel on the Crown an international standard Swimming Pool of 50 x 21 Mts., 8 lane with anti wave lane markers, Olympic type take off boards and diving facilities with 3 Platforms of 1, 3 and 5 meters height as well as a Fiberglass Spring Board fixed at 1 Meter height is ready for use in this Institute.

Games & Sports facilities: All students, staffs and residents in and around the campus are freely permitted to utilize all Play ground and Gym facilities available in the Institute. Admission to Swimming Pool is free to all students of this Institute. Staffs, residents of the Campus, family members of the staff and staff + students of the campus schools are charged with nominal fee to use the Pool. High quality and standard Sports/Games equipments/articles are provided to students and staffs of this Institute who use these play field facilities, except some personal articles like Tennis, Shuttle Badminton and TT Rackets. Opportunity to all students, staffs and other residents of the campus have been provided to participate in different level of competitive Sports and Games, by organizing Inter-Class, Inter-Branch, Inter Year and Campus open tournaments(Competitions) in all most all games for both sections. Girls Block Hostel has been provided with a Basketball,

Volleyball, Tennikoit, Kho-Kho, and Badminton courts, 2 TT Tables, 4 Carom Boards and Gym with some fitness equipments including a Mini Gym. Arrangements have been made to provide TT Tables, Carrom Boards and a set of Cricket stumps and Bats to each Blocks of Boys Hostels. Volleyball, Throw ball and Badminton courts have been laid near Staff Recreation Club for the use of staff members. TT, carom and Chess like indoor games with required sports articles were also provided for staff club.

All those who get selected to represent the Institution and participate in any of the tournament will be provided with Institute Uniforms (Colors) and all expenditures during participation of that team will be met by the Institute. In addition, Football and Hockey team members will be provided with Stockings and Shin Guards, Cricket team members will be provided with white Pants, Shirts and a Cap. All students and Officials who participate in Inter NIT or University tournaments will be provided with Institute Track Suits. All students who represent this Institution in Sports and Games will be provided with Shoe subsidy of Rs.700-00 per year.

SPECIAL INITIATIVES:

Enhancement of Infrastructural facilities:

Construction work of Sports pavilion complex with provision for Fitness Gym, Squash courts, Table Tennis hall, Badminton Hall. Indoor games hall, Aerobic dance hall, Cricket pavilion, Athletic pavilion, Department office, Store room, Dressing/changing room for many outdoor games with locker facilities and required wash rooms, has been going on in full swing. Carpet has been fixed at new set up near mega towers Hostel block building. A pair of new mobile Basketball posts with transparent acrylic boards are in full use. Badminton Hall has been renovated with corrugated sheets, advanced lighting system for Badminton, carom and Table Tennis

11.8 STAFF QUARTERS

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

Type – III - one apartment comprising 28 units.

Type IV – one apartment comprising 28 units.

Type V - one apartment comprising 24 units.

Type VI - one apartment comprising 24 units.

12 STUDENT ACTIVITIES

STUDENTS UNION

Election to the Students' Union of the Institute was held on 11.4.2014 and the following office bearers were elected:

- | | |
|------------------------|------------------------|
| 1. Mr. Shubham Agarwal | - President |
| 2. Mr. Keerthi Prasad | - Secretary |
| 3. Mr. G Jainam Navin | - Joint Secretary |
| 4. Ms. A Sushma | - Girls representative |

GAMES AND SPORTS

STUDENTS ACTIVITIES:

Games & Sports:

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

All students are insisted to participate in any of the fitness activities of their choice regularly to maintain their Physical Fitness level. Every student is encouraged to spend at least half an hour a day in the play field playing any games of their choice as recreation. Every student of this Institute is insisted to become member of the Swimming pool and attain the knowledge of water survival skill or swimming. "Learn to swim" as well as advanced swimming coaching camps are conducted to cater the needs of all students (Free of cost) and campus people. Competitions are being conducted from the lowest level starting from, among their own class/Section, inter class, inter Branch, inter year and inter collegiate level. Intra-Mural

competitions in individual sports like Athletics and Aquatics were conducted by DPES and Medals, Certificates and prize money were being awarded to the winners of these competitions as a motivation. Students were allowed to participate in Taluk, District and state level open as well as inter collegiate competitions organized by other colleges, District Associations and other Government organizations. Students are permitted to participate in State and national level sports competitions organized by neighboring institutions. All of our Institute teams are permitted to participate in All India Inter NIT Sports organized at other NITs. Institute is regularly organizing All India Inter NIT Sports every year in some or other games. This year All India Inter NIT Sports in Aquatics Men & Women were being organized at our Institute during 30th January to 01st February, 2014. More than 60 students from other NITs (06 Men teams & 03 Women teams) participated in this Inter NIT sports. Participants were being provided with free Boarding and Lodging facilities. During "INCIDENT" National level cultural Festival, DPES organized "Slam Dunk" Inter Collegiate Basketball and "Spike Fest" Inter Collegiate Volleyball Tournament inviting teams from all over India. Recreation committee is conducting inter branch, inter year and inter class competitions in many games utilizing all facilities available in the DPES. Phoenix an intra mural Inter Year sports competitions has been conducted in the even semester this year also.

13 RESEARCH, DEVELOPMENT & CONSULTANCY PROJECTS**13.1 R&D PROJECTS (ONGOING & SANCTIONED)****Department of Applied Mechanics And Hydraulics****Projects received**

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Lakh Rs.)
Laboratory Investigation on Berm Breakwater	INCH	Subba Rao, Ph.D. (PI & Co-ordinator) Kiran G Shirlal, Ph.D. K. Balakrishna Rao (Investigators)	2010 -15	14.88
Simulation and development of flapping mechanism	DRDO	Mr.Pruthviraj U. (PI) Srikantha S. Rao, Ph.D. S.Srihari, Ph.D.	2010-16	17.803
Virtual laboratory (SOM & FM Lab.) – Simulation/ Remote trigger	MHRD	Mr. Pruthviraj U. (LC) K.V.Gangadharan (IC), Ph.D.	2011-16	120 (Total 450)
Virtual laboratory (SOM Lab.) –Remote trigger	MHRD	Mr. Pruthviraj U. (LC) K.V.Gangadharan (IC), Ph.D.	2011-16	50 (Total 100)
Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) Program – 2014 Level 1 : Engineering Science	Ministry of Science & Technology (DST) Govt. of India	Subba Rao , Ph.D. H. Ramesh, Ph.D. Manu, Ph.D. Pruthviraj U.	Approved 5 years 2014-19	220

Department of Chemical Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs.)
Reverse Micellar Extraction Of Lactoferrin From Whey: Continuous Process	MOFPI Ministry of Food processing Industries, Govt. of India" through	PI: I.Regupathi; Ph.D.Co-PI: Prasanna BD, Ph.D.	2013 to 2015	37.6 lakhs

Measurement and Characterization of ambient bioaerosols in Bangalore city	Department of Science and Technology (DST), Ministry of Science and Technology, Govt. of India	PI: Dr. Gangamma S. Co-PI: I.Regupathi, Ph.D.	March 2013 to March 2016	53 lakhs
"Ambient Airborne particulate matter:Effect of biological component on lung inflammation"	Department of Science and Technology (DST), Ministry of Science and Technology, Govt. of India	PI: Dr. Gangamma S.	2013 to 2015	51. lakhs
Electrochemical Deposition of CZTS for solar Cell Applications	DST-SERI	S.Noyel Victoria/, Ph.D. B. Raj Mohan, Ph.D.	2014	27.44 lakhs
<i>Synthesis and characterization of SPION embedded inorganic hollow core-shell nano particle as magnetic drug delivery vector</i>	CSIR	P.E. JagadeeshBabu (PI), Ph.D. G Srinikethan (C-PI), Ph.D.	2014	23.00 lakhs
One step sonochemical synthesis of CZTS for bifacial solar cell DST-SERB, PI - S.Noyel Victoria, 23 lakhs applications	DST-SERB	PI – S. Noyel Victoria, Ph.D.	2014	23.0 lakh
FIST Level II	DST FIST	Vidya Shetty K, Ph.D. (HOD)-Project co-ordinator Project Implementation committee M.B.Saidutta, Ph.D. Vidya Shetty K, Ph.D. Prasanna B D, Ph.D. I Regupati, Ph.D. P.E.JagadeeshBabu, Ph.D.	Five years (Project to start In 2014-2015)	227 lakhs for equipments.
Heavy metal removal by adsorption on melanin coated polymer matrix,	DST	PI: Keyur Raval, Co-PI: Rajmohan B, Ph.D.Gangamma S.	April 2015	38 lakhs

Department of Civil Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Use of stabilized blast furnace slag in infrastructure projects	Kirloskar Ferrous Industries, Koppal	Sunil B M, Ph.D. & Shrihari S., Ph.D.	2014 -2016	6.48 Lakhs
BARC- Structural Engineering Project	Bhabha Atomic Research Centre, Mumbai	Katta Venkataramana , Ph.D.& K S Babu Narayan, Ph.D.	2007-2017	31.38 Lakhs
L&T sponsored Mtech (CTM) Program project	Larsen & Toubro Construction, Chennai	Gangadhar Mahesh, Ph.D. & C Rajasekaran, Ph.D.	2014-2019	650 Lakhs
Experimental Investigation on Rutting and Flexural Behaviour of Structural Asphalt Mixes with Warm Mix Asphalt Additives	Science and Engineering Research Board, Department of Science and Technology, GoI	Suresha S.N., Ph.D.	2013 - 2016	18.58 Lakhs
Fund for Improvement of S&T Infrastructure - 2013	Department of Science and Technology, GoI	Suresha S. N., Ph.D.	2013 - 2018	110.80 Lakhs
Remote Sensing (RS) and Geographic Information System (GIS) approach for the study of disaster due to lightning on earth resources and infrastructure.	Department of Science and Technology, GoI	K.N. Lokesh, Ph.D. Mr. Naveenchandra	2014-2018	21.30 Lakhs

Department of Computer Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs.)
SPFM-Development of Service, Process, Flow Monitor	DST	K.Chandrasekaran, Ph.D.	2 years (2013)	104.71 Lakhs
Development of tool for detection of XML based Injection Vulnerabilities in web applications	DIT, MCIT	P. Santhi Thilagam, Ph.D.	2 years	38.16 Lakhs
FIST Program	DST	Annappa, Ph.D.	5 years (2014-18)	56 Lakhs

Department of Chemistry

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Augmentation of Research Facilities, i.e. Single Crystal X-Ray Diffractometer	DST-FIST (GoI)	A V Adhikari, Ph.D. (Coordinator) & Darshak R T, Ph.D. (co-coordinator)	2010-2014 5 Years Ongoing	128 Lakhs
DK District Biofuel Information and Demonstration Centre	KSBDB (GoK)	A V Adhikari, Ph.D.	2012-2015 Ongoing	12 Lakhs
Efficiency enhancement in organic photovoltaic devices using donor-acceptor conjugated polymers and plasmonic structures.	SERB-DST, India	Udaya Kumar D, Ph.D.	Dec. 2013- Dec.2016 3 years Ongoing	25 Lakhs
Design & synthesis of colorimetric Chemosensors for Environment Pollutant Cations	DST, New Delhi	Darshak R Trivedi, Ph.D.	Feb-2014- Jan-2017 Ongoing	25 Lakhs

Department of Electronics And Communication Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Uncoordinated Secure and Energy Aware Access in Distributed Wireless Networks	Information Technology Research Academy	U Sripati, Ph.D. Joint with IIT Bombay TIFR Bombay NIT Durgapur	01-01-2014 31-12-2017	21.25 Lakhs
Energy Harvesting Seat	ANRC, Boeing	M S Bhat, Ph.D.	2014-2015	Rs. 3.00 Lakhs
Secure Turbulence Resistant Free Space Optical (FSO) links for Broadband Wireless Access Networks	DIT, MCIT, Govt. of India	Muralidhar, Ph.D. Kulkarni U Sripati, Ph.D.	3 Year (from July 2010) Completed on 31-01-2014	116.76 lakhs
RF MEMS Switches for Ka – Band mm Wave Circuits	NPMASS, Govt. of India	M S Bhat, Ph.D.	2009 – 2014 Completed	67.60 lakhs
MEMS Design Centre - NPMASS Project	NPMASS, Govt. of India	M S Bhat, Ph.D.	2009 – 2014 Completed	11.00 lakhs

Department of Electrical & Electronics Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
FPGA based development of different MPPT algorithms for stand-alone photo voltaic system using artificial intelligence	Central Power Research Institute (CPRI)	Debashisha Jena (PI), Ph.D. D. N. Gaonkar (Co-PI), Ph.D.	January 2015-December 2016	25.07 Lakhs
Control strategies for dynamic voltage restorer under un balanced and disturbed grid conditions	DST-SERB	A. Karthikeyan (PI), Ph.D.	September 2014 to September 2017	23.21 Lakhs
Research scholarships to investigate in the areas of i. Sensing Techniques, ii. Super efficient Motor Control, under "Visvesvarya PhD Scheme" from	GOI, MCIT, DEITY.	K. P. Vittal (Research Guide), Ph.D.	2015-20	50 Lakhs
Establishing center of excellence (CoE) in "Renewable Energy Source integrated Smart Grid Technologies (RENEST)" under Frontier Areas of Science and Technology (FAST),	MHRD, GOI.	K. P. Vittal, Ph.D. Coordinatpr	2014-18	400 Lakhs (Sanctioned 250 Lakhs under Phase 1)

Department of Humanities, Social Sciences & Management

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Reforming Higher Education for Civic Learning and Community Engagement	NUEPA-ICSSR	Sreejith Alathur, Gopalakrishna B V, A.H.Sequeira, Ph.D.	2015-2016	5.06 Lakhs
Impediments to growth of Hospitality Sector - A Case study of South India	National Bank for Agricultural and Rural Development (NABARD)	Suprabha K.R, Ph.D.	2015	8.76 Lakhs
UGC Major Project Proposal on Mitigation of Tribal Suicides	University Grants Commission, New Delhi	Sheena, Ph.D.	2 years (2014-16)	6.02 Lakhs

through Economic Empowerment: Evaluating the functional roles of the governments and NGOs in eradicating the social, educational and economic backwardness among the Paniyans of Kerala				
Women Entrepreneurship and Tourism Development: A Study with special reference to SHGs in Karnataka and Kerala	The Indian Council of Social Science Research (ICSSR)	Sheena, Ph.D.	1.5 years (Jan 2013 – July 2015)	6 Lakhs
UGC Major Project Proposal on Mitigation of Tribal Suicides through Economic Empowerment: Evaluating the functional roles of the governments and NGOs in eradicating the social, educational and economic backwardness among the Paniyans of Kerala	University Grants Commission, New Delhi	Sheena, Ph.D.	2 years (2014-16)	6.02 Lakhs

Department of Information Technology

Completed

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Content Based Video Copy Detection, Tracking and Preventing In-Theater Piracy	DST	G. R. M. Reddy, Sheena, Ph.D. Mrs. R Roopalakshmi (Women Scientist Scheme)	July'11-June 2014	18.2 Lakhs

Department of Mathematical And Computational Sciences

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Topological structures for semiclosed operators on	SERC, DST, Govt. of India	P. Sam Johnson, Sheena, Ph.D.	Three years	3 lakhs

Hilbert spaces				
A study on Moore-Penrose in Krein Spaces	NBHM, DAE, Govt. of India	P. Sam Johnson, Sheena, Ph.D.	Three years	1.89 lakhs
On the solutions of Convection-Diffusion equations	NBHM, DAE, Govt. of India	Satyanarayana Engu	(sanctioned in Feb. 2015) Three years	8.3 lakhs

Department Of Mechanical Engg.

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Investigation on Passive Damping Capability of Natural Fiber Reinforced Composite and Visco-elastic Sandwich Structures	SERB - DST	P. Jeyaraj,	Jan'13- Jan'16	11.39 Lakhs
Vibration based structural health monitoring and progressive failure analysis of a rotating tapered composite plate	Aeronautics Research and Development Board	R. Vasudevan (VIT University), Ph.D. and P. Jeyaraj, Ph.D.		8 Lakhs
Development of HVOF Sprayed Cermet Coatings in Improving Resistance to Hot Corrosion and Erosion of Gas Turbine Alloys	All India Council for Technical Education under Research Promotion Scheme	Ramesh M R, Ph.D.	March 2013- March 2016	18.10 Lakhs
Design, Fabrication and Characterization of Magneto-Rheological (MR) Dampers for Industrial Applications	SERB - DST	Hemantha kumar, Sheena, Ph.D.	July 2014- July 2017	20.84 Lakhs
Virtual Lab	NMEICT	K V Gangadharan, Ph.D., Panduranga Vittal, Ph.D., Vidhya Shetty, Ph.D., Pruthviraj	2010-2014	450 Lakhs
Remote triggered Lab	NMEICT	K V Gangadharan, Ph.D. Ravikiran Kadoli, Ph.D. Pruthviraj	2012-2014	100 Lakhs
Centre for System Design	NI and MHRD/NITK	K V Gangadharan, , Ph.D.	2010-2015	500 Lakhs
Investigation of machining characteristics of TiNi based Shape Memory	SERB	Prof. Narendranath, Ph.D. S	March 2014- March 2016	16.32Lakhs

alloy using Wire-EDM				
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Department Of Mining Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Study For Utilization Of Fine Material Of Mine Waste	M/s. Sandur Manganese And Iron Ore Limited,	M.Aruna, Ph.D. And Harsha Vardhan, Ph.D.	2 Years (2013-2015).	14.3 Lakhs
Development of Crushing & Grinding Characteristic Curves for Different Rocks Using Insmart Crushers and Mills",	Insmart Systems Hyderabad	K. Ram Chandar, Ph.D.	2015-2016	4.31 Lakhs
Scientific Study for Usage and Optimization of ANFO in OC Mines of SCCL	SCCL	V.R Sastry, Ph.D.	2014-15	6 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	22.0 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	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.	2011	80.26 lakhs
Novel Nanocomposites from bio-degradable polymers and nano-structured fly ash	DST-SERB	Anandhan Srinivasan, Ph.D.	2012	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 akhs
Extraction of Gold from Waste Printed Circuit Boards using Bacteria	KSCST Student Project	Students: Messrs. Abhishek S. Kashinath, Karthik, C. Padmashali Guide: Prof. A. O. Surendranathan	2014-15	9000

Department of Physics

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Mechanical & Thermal properties of B ₄ C	UGC-DAE CRS	Ajith K.M, Ph.D.	3 years	10 Lakhs
DST-FIST Research facility for Physics Department	DST	N. K. Udayashankar, Ph.D. & H. S. Nagaraja, Ph.D.	5 years	64 lakhs
DST-SERB-Si Electrodes for Li ion battery	DST-SERB	H.S.Nagaraja, Ph.D. & Ajith K.M., Ph.D.	3 years	43.57 Lakhs

13.2 PROPOSED PLAN FOR RESEARCH

Department of Applied Mechanics & Hydraulics

New Labs/ Equipment	Target for Sponsored R&D projects	New area of research	Institutions/Organisations for future collaborations
			<ul style="list-style-type: none"> • Mou with NIH, Belguam • MOU with IIRS, Dehradun

Department of Civil Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
Environmental Geotechnology			IIT Mumbai, BARC
Rheology Laboratory	Department of Science and	Visco-plastic and viscoplastic behaviour of construction materials	IIT Madras, Chennai. Central Road Research Laboratory, New Delhi

	Technology		
Geosynthetics Laboratory	-	Geosynthetics Engineering	-
Cyclic cum Static triaxial system	-	Cyclic behaviour of soils and reinforced soils	-
Environmental Engineering	CIFIPRA, DST, DBT, MoNRE	Environmental Biotechnology, Recombiant Technology	INRA-LBE, FRANCE, NEERI-Nagpur, IIT-Hydrabad

Department of Computer Engineering

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

Department of Chemistry

Name of the Lab/Equipment	Target for sponsored R&D Projects	New Areas of Research	Institutes/Organizations for future collaborations
Organic Materials Lab. / Solar Stimulator with facilities for PV studies (AVA)	Target: DRDO New Organic Materials for Solar Cell applications	Dye Sensitized Solar Cells (both n- and p-type) and Tandem Cell	Prof. Yiyang Wu, Department of Chemistry, Columbus, The Ohio State University, Ohio, USA. Dr. Ahmed El Shafie Department of Chemistry- Textile Engg. Division, Raleigh, N.C. University, USA.
Augmentation of new facility "Multi-nuclear Magnetic Resonance Spectrometer, 500 MHz" (AVA)	DST – FIST (2015-2019)	NMR Analysis of ¹ H, ¹³ C, ³¹ P, ¹⁹ F, ¹⁵ N, ²⁷ Al, ²⁹ Si, ⁷⁷ Se, ¹¹⁹ Sn, ¹²⁵ Te, ¹⁹⁹ Hg, ⁵¹ V, ⁷ Li, etc.	-
Catalysis and Materials Laboratory (BRB)	DST-Nano Mission	Supercapacitors	SMArT@UNSW, Australia, Northumbria University

Department of Electrical And Electronics Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaboration
AEPD analyser (part of it is procured using TEQIP-II funds for High Voltage laboratory) Coordinator: Dr G S Punekar	From DST	Partial discharge analysis of insulating oil	CPRI Bangalore
Array of multi-model sensors, DSP Processors Coordinator: Dr. Ashvini Chaturvedi	Development of Lab based prototype, research scholar guidance and publication	Data aggregation and networking for under water communication	NIO, Goa
(1) Investigations on protection techniques for DERs and Distribution system apparatus in Smart grid environments. (2) power system relaying methodologies with the penetration of FACT devices Coordinator: Dr. K. P. vittal			
Development of microgrid with renewable and energy efficient generation systems along with energy storage devices Coordinator: Dr. D. N. Gaonkar	Ministry of power Govt of india through CPRI Bangalore	Smart grid	
Power System laboratory with real-time measurement support Coordinator: Dr. K. N. Shubhanga			

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
Software, hardware	3	Analytics, information systems, E-marketing, Applied Economics	HEIG-VD , Northeastern University , USA

Department of Information Technology

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
Automated Semantic Analysis and Retrieval Frame Work	DST	Knowledge Engineering	Penn State University, USA
Agro-climatic Zone Specific Knowledge Management Systems for Sustainable Production of Coconut	ITRA	IT Based Transformations	CPCRI, Kasargod
Affective & Human Centered Computing	DST	Affective Computing Bio-Inspired Green IT	Affective Computing Lab, MIT, USA
Bio-inspired QoS Aware Green Cloud IT	DIT	Affective Computing Bio-Inspired Green IT	The Univ. of Melbourne, Australia

Department of Mechanical Engineering

New labs/ Equipment	Target for sponsored R&D projects	New Areas of Research	Institute/Organizations for future collaborations
Natural circulation loop for carbon dioxide	DST	Nanofluids, Cryogenics, Renewable Energy	IIT Kharagpur
Developing material characterization lab		Accumulative roll bonding	NAL, CPRI
Sound level meter Ultrasonicator Mechanical shaker	One ARDB project One DST project	Polymer nano composites fabrication and testing for dynamic studies	IIT Madras, Concordia University

Friction Stir Welding Laboratory and facilities Lubrication Testing Laboratory and testing Equipment.		Nano Composites Nano Tribology Friction Stir Welding	Indian Institute of Science, Bangalore. ITMMEC, Indian Institute of Technology, Delhi,
Compressor cascade wind tunnel with water injection facility	SERB/DST	Aeroelasticity	IIST, Thiruvananthapuram

Department of Mining Engineering

New Labs/ Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
Modernization of Rock Mechanics Laboratory	30.00 Lakhs	Slope stability	CIL
Development of Mine Safety & Health	20.00 Lakhs	Mine Safety	SCCL

Department of Metallurgical And Materials Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
1. Surface Engineering Laboratory 2. Facility for assessment of health of quenchant 3. High performance workstation 4. Intel Fortran compilers	1. To get at least one sponsored R&D project per year 2. DST Start up grant 3. BARC Young scientist start-up grant	1. Nano Technology 2. Composites 3. Surface Engg. 4. Smart Materials 5. Data base on liquid Quenchant 6. Wetting/ dewetting of liquids 7. Hydrodynamic stability 8. Shape Memory Alloys	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
Computer Laboratory		Computational Physics	

TECHNICAL PAPERS PUBLISHED IN REFEREED JOURNALS

Table: List of publications during the period under report

SI. No.	DEPARTMENT	PUBLICATIONS				Total
		International Journal	National Journal	International Conference	National Conference	
1	Applied Mechanics & Hydraulics	59	05	27	28	119
2.	Chemical Engineering	25	00	09	08	42
3.	Chemistry	52	00	16	02	70
4.	Civil Engineering	19	04	31	10	64
5.	Computer Engineering	27	00	40	03	70
6.	Electrical and Electronics Engineering	22	04	27	10	63
7.	Electronics & Communication Engineering	04	00	18	01	23
8.	Humanities, Social Sciences and Management	08	02	19	06	35
9.	Information Technology	11	00	57	00	68
10.	Mathematical and Computational Sciences	38	00	09	00	47
11.	Mechanical Engineering	57	00	39	00	96
12.	Metallurgical And Materials Engineering	55	04	10	08	77
13.	Mining Engineering	06	01	02	04	13
14.	Physics	11	00	05	03	19
	Grand Total	394	20	309	83	806

INTERNATIONAL JOURNAL :-

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1	Prediction of ground water levels in uplands of coastal	special issue of IJED on coastal wetlands, vol. 29, issue 3, 2014,	A V Hegde, Vishnu S Das, and S J Nyamathi

	tropical riparian using PSO-SVM	pp 79-86	
2	Numerical modelling of oil spill in the proximity of Krishna Godavari coastal wetlands	special issue of IJED on coastal wetlands, vol. 29, issue 3, 2014, pp 44-53	A V Hegde and Labeeb C K.
3	Transmission Performance of Submerged Semicircular Breakwaters for different Radii and Submergence Ratios	International Journal of Ocean and Climate Systems, Vol. 5, No. 3, September 2014	A V Hegde and S M Naseeb
4	Reflection and Dissipation Characteristics of Non-overtopping Quarter Circle Breakwater with Low-mound Rubble Base	International Journal of Advance Research in Ocean Engineering, Korea, Vol. 1, No. 1, pp 44-54, 2015	Balakrishna K, Arkal Vittal Hegde and Binumol. S
5	Prediction of Hydrodynamic Characterisitics of Quarter Circular Breakwater using Stepwise Regression	International Journal of Ocean and Climate Systems, IJOCS, Vol. 6, No. 1, 2015	Rushil Goyal, Kriti singh, A V Hegde, and G S Takur
6	Multiple linear Regression model for predicting wave transmission in HIMMFPB	Aquatic Procedia (Elsevier), Vol. 4 (2015)	A.V. Hegde and Vishnu S
7	Computational Intelligence for predicting wave transmission in HIMMFPB	Aquatic Procedia (Elsevier), Vol. 4 (2015)	A.V. Hegde and Vishnu S Das
8	Runup and Rundown characteristics of an emerged seaside perforated quarter circle breakwater	Aquatic Procedia (Elsevier), Vol. 4 (2015)	Binumol S., Subba Rao, Arkal Vittal Hegde
9	Shoreline Transformation Study of Karnataka Coast: Geospatial Approach	Aquatic Procedia (Elsevier), Vol. 4 (2015)	Arkal Vittal Hegde, B J Akshaya
10	A Review of Quality Metrics for Fused Image	Aquatic Procedia (Elsevier), Vol. 4 (2015)	Jagalingam P., and Arkal Vittal Hegde
11	Pixel Level Image Fusion–A Review on Various Techniques	3rd World Conference on Applied Sciences, Engineering & Technology, 27-29 September 2014, Kathmandu, Nepal	Vittal Hegde and Jagalingam P
12	Effect of Relative Time Period on Mooring Forces of Floating Pipe Breakwater with Relative Spacing of Three	Aquatic Procedia (Elsevier), Vol. 4 (2015)	Kiran Kamath, Arkal Vittal Hegde, K. Balakrishna Rao
13	Influence of Relative Draft on Transmission Characteristics of Floating Pipe Breakwater with Relative Spacing of Three	Aquatic Procedia (Elsevier), Vol. 4 (2015)	Kiran Kamath, Arkal Vittal Hegde, K. Balakrishna Rao
14	Wave Reflection by Emerged	International Journal of Earth	Hafeeda V, Binumol S, A

	Seaside Perforated Quarter-Circle Breakwater	Sciences and Engineering (IJEE), Vol. 7, No. 2, April 2014. pp 454-460. 2014	V Hegde and Subba Rao
15	Development of regional flood formulas for predictions in ungauged basins of Upper Krishna River basin	International Journal of Global Initiatives, 3(1), A78-A95, 2014	Manoj Mujumdar, Thorvat A.R. and L. Nandagiri
16	Latent heat flux estimation using trapezoidal relationship between MODIS land surface temperature and fraction of vegetation – Application and validation in a humid tropical region	Remote Sensing Letters, 5(11), 982-991, 2014	Keerthi Laxmi and L. Nandagiri
17	Identification of hydrologically active areas in a watershed using satellite data	Aquatic Procedia (Elsevier), 4 (2015), 1339-1344, 2015	Kumar Raju B. C. and L. Nandagiri
18	Evaluation of economic value of Pilikula Lake using travel cost and contingent valuation methods	Aquatic Procedia (Elsevier), 4 (2015), 1315-1321, 2015	Jala and L. Nandagiri
19	Analysis of temporal stability of observed soil moisture under plantation forest in Western Ghats of India	Aquatic Procedia (Elsevier), 4 (2015), 601-608, 2015	Venkatesh B., L. Nandagiri and Purandara B. K.
20	Mapping Age wise Discrimination of ARECANUT Crop Water Requirement Using Hyperspectral Remote Sensing	ELSEVIER, as Aquatic Procedia 4 (2015) 1437-1444	Bhojaraj B E, Gaurav Hegde, Pruthviraj U, Ambashetty and Nagaraj M K
21	Parameter Optimization using GA in SVM to Predict Damage Level of Non-Reshaped Berm Breakwater	International Journal of Climate and Ocean Systems, Multi-Science publications,UK, Volume 5, No. 2,pp 79-88, (ISSN 1759-3131).	Harish, N., Lokesha, Mandal, S., Rao S. and Patil, S.G.
22	2D And 3D Analysis of a Diaphragm Wall Type Berthing Structure under Static Loading	International Journal of Scientific Engineering and Technology (IJSET), Special Issue, pp 371-375, (ISSN 2277-1581).	Yajnheswaran. B., Ranjan. and Subba Rao
23	Particle swarm optimization based support vector machine for damage level prediction of non-reshaped berm breakwater	Applied soft computing, Elsevier Publications, Vol. 27, pp 313-321,	Harish, N., Mandal, S., Subba Rao. and Patil, S.G
24	A Review on Development of Minor Ports to Improve the Economy of Developing	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 256 – 263 (ISSN 2214-241X)	Geetha Kuntoji and Subba Rao

	Country		
25	Effect of Artificial Sea Grass on Wave Attenuation- An Experimental Investigation	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 221 – 226 (ISSN 2214-241X).	Beena Mary John., Kiran G Shirlal. and Subba Rao
26	Performance of Variable Selection Method for the Damage Level Prediction of Reshaped Berm Breakwater	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 302 – 307 (ISSN 2214-241X)	Prashanth Janardhan., N. Harish., Subba Rao. and Kiran G Shirlal
27	Analysis of the Effect of Anchor Rod on the Behavior of Diaphragm Wall Using Plaxis 3d	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 302 – 307 (ISSN 2214-241X)	Yajnheswaran,H.S. Ranjan. and Subba Rao
28	Runup and Rundown Characteristics of an Emerged Seaside Perforated Quarter Circle Breakwater	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 234 – 239 (ISSN 2214-241X)	S. Binumol., Subba Rao. and Arkal Vittal Hegde
29	<i>Wave Prediction Using Neural Networks at New Mangalore Port along West Coast of India</i>	<i>Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 143-150</i>	<i>Deepthi I Gopinath and Dwarakish G S</i>
30	<i>Satellite Oceanography: A Review</i>	<i>Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 165-172</i>	<i>R. Rajeesh and Dwarakish G S</i>
31	<i>Review on the role of Ports in the Development of a Nation</i>	<i>Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 295-301</i>	<i>Dwarakish G S and Akhil Muhammad Salim</i>
32	Coastal Pollution: A Review, Aquatic Procedia	<i>Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 381-388</i>	M. Vikas and Dwarakish G S
33	Numerical wave modelling – A review	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 443-448.	Justin Thomas T and Dwarakish G S
34	Automatic Shoreline Detection and Change Detection Analysis of Netravati-Gurpur Rivermouth using Histogram Equalization and Adaptive Thresholding Techniques	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 563-570.	Raju A, Dwarakish G S and Venkat Reddy D
35	Applications Of Remote Sensing In Satellite	Aquatic Procedia, International Conference on Water Resources,	Gayathri K Devi, Ganasri B P and Dwarakish G

	Oceanography: A Review	Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 579-584.[Got the Young Scientist award for the presentation-ICWRCOE'15].	
36	Different Approach for Using Trap Efficiency for Estimation of Reservoir Sedimentation. An Overview	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 847-852	Arega Mulu and Dwarakish G. S
37	A Review on Hydrological Models	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 1001-1007	Gayathri K Devi, Ganasri B P and Dwarakish G S
38	Study of Land Use/Land Cover Dynamics through Classification Algorithms for Harangi Catchment Area, Karnataka State, INDIA	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 1413-1420	Ganasri B P and Dwarakish G S
39	Temporal Analysis of Spatial Distribution of Built-Up Area in Peri-Urban Areas of Cochin, Kerala: Case-Study of Sub-Watershed in Periyar River	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 1445-1451	Preeti Jacob and Dwarakish G S
40	Long Term Study of Sediment Dynamics Along Mangalore Coast, West Coast of India Using Sediment Trend Analysis	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 1545-1552	P. Sri Ram Kumar, Dwarakish G S, N Nujuma and D I Gopinath
41	Tidal-Level Forecasting Using Artificial Neural Networks along West Coast of India	Japan Society of Civil Engineers (JSCE) Vol. 2, pp. 176-187	Rakshith, S. and Dwarakish, G. S. and Usha Natesan
42	An open-source web-GIS application for prioritization and conservation of Sacred Groves of Kodagu district of Karnataka	Int. Journal of Applied Sciences and Engineering Research, Vo. 3, No. 4, pp. 763-775	Shushma Shashi.B, Dwarakish G. S., Kiran K.B.
43	Parametric studies on saltwater intrusion into coastal aquifers for anticipated sea level rise	Elsevier Aquatic Procedia 4, 103-108	Priyanka BN and A.Mahesha
44	Simulation of saltwater intrusion in a coastal aquifer in Karnataka, India	Elsevier Aquatic Procedia 4, 700-705	Lathashri UA and A.Mahesha
45	Saltwater intrusion in coastal aquifers subjected to freshwater pumping	J. Hydrologic Engg., (ASCE), 19(2), 448-456	Mahesha, A. and Lakshmikant

46	Analysis of vulnerability Assessment in the coastal Dakshina Kannada district, Mulky to Talapady area, Karnataka	International J. Computational Engg. Research, 4(5), 19-24	Honnanagoudar, S.S., DV Reddy and A.Mahesha
47	Prediction of daily Pan evaporation using Support Vector Machine	International journal of Earth sciences and Engineering (ISSN-0974-5904) February'2014, Vol-7(1)pp..195-202	Leeladhar Pammar and Paresch Chandra Deka
48	Support Vector Applications in the field of hydrology-a review	Applied Soft Computing (ELSEVIER),19(2014),pp.372-386.Impact factor=2.52.Published online 4 th March2014	Sujay Raghavendra and Paresch Chandra Deka
49	Forecasting monthly groundwater level fluctuations in coastal aquifer using hybrid wavelet packet-support vector regression	Cogent Engineering journal,vol.2(1),published online 20 th January2015,part of Taylor and Francis group,pp.1-22	Sujay Raghavendra and Paresch Chandra Deka
50	Subpixel Mineral Mapping Using EO-1 Hyperion Hyperspectral Data	The international Archives of the Photogrammetry , Remote Sensing and Spatial Information Sciences, Volume XCL-8, 2014 Doi:10.5194/isprsarchives XL-8-455-2014	Chandan Kumar, Amba Shetty, Simit Raval Richa Upadhyay , P. K. Champatiray
51	Prediction of topsoil nitrogen from spaceborne hyperspectral data	Geocato International, Taylor and Francis publications, doi: 10.1080/10106049.2014. 894585. IF=0.9	Gopal, B., Shetty, A, Ramya, B. J.
52	Study on Performance of Savonius rotor type Wave Energy Converter used in conjunction with Conventional Rubble Mound Breakwater	Journal of Ocean Engineering (Elsevier), 89, 62-68. (IF:1.625).	Bikas, G. S., Ramesh, H and Vijaykumar, H.
53	Prediction of daily Pan evaporation using Support Vector Machine	International journal of Earth sciences and Engineering (ISSN-0974-5904) February'2014, Vol-7(1)pp..195-202	Leeladhar Pammar and Paresch Chandra Deka
54	Support Vector Applications in the field of hydrology-a review	Applied Soft Computing (ELSEVIER),19(2014),pp.372-386.Impact factor=2.52.Published online 4 th March2014	Sujay Raghavendra and Paresch Chandra Deka
55	Forecasting monthly groundwater level fluctuations in coastal aquifer using hybrid wavelet packet-support vector regression	Cogent Engineering journal,vol.2(1),published online 20 th January2015,part of Taylor and Francis group,pp.1-22	Sujay Raghavendra and Paresch Chandra Deka

56	Mapping Agewise Discrimination of Arecanut Crop Water Requirement Using Hyperspectral Remote Sensing	Aquatic Procedia Volume 4, 2015, Pages 1437–1444	B.E. Bhojaraja, Gaurav Hegde, Pruthviraj, U. Amba Shetty
57	A numerical modeling approach for study of mudbank impact on coastline	Oceans - St. John's, 2014 , vol., no., pp.1,5, 14-19 Sept. 2014 doi: 10.1109/OCEANS.2014.7003115, IEEE. (Canada).	Parvathy K G, Ramesh H, Noujas V, Thomas K V
58	Impact of mudbanks on coastal dynamics	Journal of Aquatic Proceedia, Elsevier. 4, 1514 – 1521.	Parvathy K G, Ramesh H, Noujas V, Thomas K V
59	study of seawater intrusion in coastal aquifer by electrical conductivity and total dissolved solid method in Gurpur and Netravathi river basin	Journal of Aquatic Proceedia, Elsevier, 4, 57-64. Won the best paper award	Konstantin J. Sylus and H. Ramesh

Department of Chemical Engineering

Sl. No.	Title of Paper	Journal Name, Vol., Issue, Page Nos. Date of Publication	Author(s)
1	Synthesis of silver nanoparticles using medicinal Zizyphus xylopyrus bark extract	<u>Applied Nanoscience (2014): 1-8</u> , November 04, 2014 Publisher Springer	Sumi Maria Babu, Aishwarya Devadiaga, Vidya Shetty K, MB Saidutta
2	Urea Concentration Profiles from Kokum Wax Coated Briquettes	Universal Journal of Agricultural Research (2), 43 – 44, 2014.	M R Bhat, D V R Murthy, M B Saidutta, S Reddivari,
3	Biological Denitrification with Immobilized Pseudomonas Syringae on Granular Activated Carbon using three Phase Draft Tube Spouted Bed Reactor	International Journal of Current Engineering and Technology , 2014, Vol.4, Issue 5, Pages 3304-3309 Publisher INPRESSCO	Keshava Joshi, Reshma Rajan, G Srinikethan, MB Saidutta
4	Isolation and characterization of Pseudomonas Syringae for nitrate removal under	Journal of Biochemical Technology 2014/5/5, Vol.5, Issue 2, Pages 693-697	Keshava Joshi, Josna Joseph, MB Saidutta
5	Studies on Biosorption of Methylene Blue from Aqueous Solutions by Powdered Palm Tree Flower (Borassus flabellifer)	International Journal of Chemical Engineering (2014) Volume 2014 (2014), Article ID 306519, 13 pages http://dx.doi.org/10.1155/2014/306519	M. Srinivas Kini, MB Saidutta, V.Ramachandra Murthy
6	Solar light induced	Solar Energy. 99, 67–76 Impact	A. Khanna,

	photocatalytic degradation of Reactive Blue 220 (RB-220) dye with highly efficient Ag@TiO ₂ core-shell nanoparticles: A comparison with UV photocatalysis	factor:2.952 (2014)	V.K. Shetty,
7	Reduction of hexavalent chromium by a novel Ochrobactrum sp. -microbial characteristics and reduction kinetics.	J Basic Microbiol. 54(4)296-305. doi:10.1002/jobm.201200183 Impact factor:1.198 (2014)	Narayani M, VidyaShetty K
8	Partial Purification and Characterization of Chromate Reductase of a Novel Ochrobactrum sp. Strain Cr-B4	Preparative Biochemistry and Biotechnology DOI: 10.1080/10826068.2014.952385	Anuradha Hora, Vidya Shetty K
9	Inhibitory and stimulating effect of single and multi-metal ions on hexavalent chromium reduction by Acinetobacter sp. Cr-B2.	World J Microbiol Biotechnol. 30(12):3211-9. doi: 10.1007/s11274-014-1748-3	Anuradha Hora, Vidya Shetty K
10	Solar light-driven photocatalytic degradation of Anthraquinone dye-contaminated water by engineered Ag@TiO ₂ core-shell nanoparticles	Desalination and Water treatment. DOI:10.1080/19443994.2014.888681-(Taylor & Francis) Impact factor:0.852	Ankita Khanna, Vidya Shetty K
11	Pathway Identification, Enzyme Activity And Kinetic Study For The Biodegradation Of Phenol By Nocardia hydrocarbonoxydans NCIM 2386	Desalination and Water Treatment-Accepted Manuscript ID: 1030700 (March 2015) Impact factor:0.987	Gauthami R Shetty ,Vidya Shetty K
12	Kinetics of bioreduction of hexavalent chromium by poly vinyl alcohol-alginate immobilized cells of Ochrobactrum sp. Cr-B4 and comparison with free cells	Desalination and Water Treatment-Accepted Manuscript ID: 1030704(March 2015) Impact factor:0.987	Anuradha Hora, Vidya Shetty K,
13	Shear stress effects on production of exopolymeric substances and biofilm characteristics during phenol biodegradation by immobilized pseudomonas desmolyticum (NCIM2112) cells in a pulsed plate bioreactor.	Preparative Biochemistry and Biotechnology. Accepted for publication on 16 th March 2015 Impact factor:_0.699	Veena B.R, Vidya Shetty K, Saidutta M.B,
14	Interaction of Heavy Metals in Multimetal Biosorption by	Bioremediation Journal, 19:56-68, 2015 Impact factor:0.714	Dilna Damodaran, Vidya Shetty, and

	Galerina vittiformis from Soil,		Raj Mohan Balakrishnan,
15	Uptake of certain heavy metals from contaminated soil by mushroom - <i>Galerinavittiformis</i> .	<i>Ecotoxicology and Environmental Safety</i> . 104:414-422 Impact factor:2.203 (2014)	Dilnadamodaran, Raj Mohan B, Vidya Shetty K,
16	Purification of Glutaminase from <i>Zygosaccharomycesrouxii</i> in Polyethylene Glycol– Sodium Sulphate Aqueous Two-Phase System	Separation Science and Technology, 2014	B Sowmya,I Regupathi, BD Prasanna
17	Refining of edible oils: A critical appraisal	International Journal of Food Science and Technology 2014	Vaisali.C, Charanyaasampath, Prasanna D. Belur, RegupathiIyyaswami
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1	Performance of synchronous machine models in a series-capacitor compensated system	IEEE Transactions on Power Systems, Vol.29, No.3, pp 1023-1032, May., 2014	Shashidhara M. Kotian and K. N. Shubhanga
2	Development of Markov Chain Based Queuing Model and Wireless Infrastructure for EV to Smart Meter	International Journal of Emerging Electric Power Systems Vol.16, Issue 2, April 2015	Santoshkumar, Udaykumar R.Y

	Communication in V2G		
3	Modeling and Comprehensive Analysis of WiMAX Protocol for Grid Control Center to Aggregator Communication in V2G	International Journal of Renewable Energy Research Vol.5, No.1, 2015.	Santoshkumar, Udaykumar R.Y
4	Modeling and Architectural Frame Work of Off-Board V2G Integrator for Smart Grid	International Journal of Renewable Energy Research Vol.4, No.4, 2014.	Santoshkumar, Udaykumar R.Y Swapna M
5	Control of CO2 emission through enhancing energy efficiency of auxiliary power equipment in thermal power plant	International Journal of Electrical Power & Energy Vol. 62, November 2014	Rajashekar Mandi, Udaykumar R Y
6	Power Control Strategy for Grid Connected Permanent Magnet Synchronous Generator of a Distributed Generation Unit	Int. J. Power and Energy Conversion, Vol. 5, No. 3, pp 274-297,2014.	Vinatha U, Vittal K.P
7	Grid Integration of wind and photovoltaic hybrid energy system	International Journal of Electrical Engineering, Vol. 14 No: 2, PP 227-233, 2014	Vinatha U, Vittal K.P
8	Development of Wave Turbine Emulator in the Laboratory Environment	International Journal of Emerging Electric Power Systems, Vol 14, Issue 4. Pp 363-372.2014	Vinatha U, K.P.Vittal
9	Performance Measures of Fuzzy C-means Algorithm in Wireless Sensor Networks	International Journal of Computer Aided Engineering and Technology	Pramod Kumar, Ashvini Chaturvedi
10	Location Movement and Multiplicity Attributes of Sink in Query based Wireless Sensor Networks	International Journal of Computer Aided Engineering and Technology.	Pramod Kumar, Ashvini Chaturvedi,
11	Performance Study of Distributed Generation System in Grid Connected/Isolated Modes	Distributed Generation & Alternative Energy Journal Vol.29 ,No.1, pp 61-80,2014.	SK Nayak, DN Gaonkar
12	Modeling and Performance Analysis of Grid Integrated Hybrid Wind and PV Based DG System with MPPT Controllers	International Journal of Distributed Energy Resources and smart Grids , Vol. 10, No. 2,pp 115-131, 2014	Jayalakshmi N.S. and D. N. Gaonkar
13	Dynamic Modeling and Performance Study of a Stand-alone Photovoltaic	International Journal of Renewable Energy Research, 635-640. 2014	N.S. Jayalakshmi, DN Gaonkar, A Balan, P Patil, SA Raza

	System with Battery Supplying Dynamic Load		
14	Maximum Power Point Tracking for Grid Integrated Variable Speed Wind based DG System with Dynamic Load	International Journal of Renewable Energy Research Vol.4 No.2, pp 464-470. 2014	N.S. Jayalakshmi and D. N. Gaonkar
15	Modeling and control strategy for grid integrated distributed generation systems with maximum power extraction capability	International Journal of Engineering, Science and Technology, Vol. 6, No. 2, pp. 101-110, 2014.	Jayalakshmi N.S. and D. N. Gaonkar
16	Variable speed wind turbine for maximum power capture using adaptive fuzzy integral sliding mode control	Mod. Power Syst. Clean Energy, vol. 2, no. 2, pp. 114-125, June 2014.	R. Saravanakumar and Debashisha Jena
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19	Control of variable speed variable pitch wind turbine at above and below rated wind speed	Journal of Wind Energy. 2014.	R. Saravanakumar and Debashisha Jena
20	A review of estimation of effective wind speed based on control of wind turbines	Renewable and Sustainable energy Reviews vol. 43, pp. 1046-1052, 2015.	R. Saravanakumar and Debashisha Jena
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22	Validation of an integral sliding mode control for optimal control of a three blade variable speed variable pitch wind turbine	International Journal of Electrical Power and Energy Systems, vol. 69, pp. 421-429, 2015.	R. Saravanakumar and Debashisha Jena
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Department of Humanities, Social Sciences and management

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1.	"An Assessment Of Factors Influencing Informed Choice Of Discipline In Higher Technical Education"	International Journal of Multidisciplinary Educational Research , Volume 4, Issue 1(1), pp192-208	Vijayalakshmi N.S and Sequeira A. H.
2.	"An Empirical Observation Of Age Factor's Moderating Role On Mobile Banking Adoption In Rural Karnataka " ,	<i>International Journal Of Marketing, Financial Services & Management Research IJMFSMR</i> , Vol.3 (9).	Krishna Kishore and Sequeira A. H.
3.	Empowerment of Self Help Groups towards Microenterprise Development	Procedia Economics and Finance (ELSEVIER), Vol. 11, 2014 pp 410-422	Suprabha K. R
4.	Anomalies in Maturity Gap: Evidence from Scheduled Commercial Banks in India	Procedia Economics and Finance (ELSEVIER), Vol. 11, 2014 pp 423-430	Krishna Prasad, & Suprabha K. R
5.	Impact of Engineering Faculty Participation in Decision Making and Commitment on Organizational Citizenship Behaviour.	Journal of Engineering Education Transformations (JEET), July 2015.	S. Pavan Kumar & Vijai Nath Giri
6.	Impact of Participation in Decision Making on Job Satisfaction, Group Learning and Group Commitment	OPUS HR Journal, Vol. 6, Issue 1, 2015.	Shilpi Saha & Pavan Kumar
7.	Pre- open call auction and price discovery: Evidence from India	<i>Cogent Economics and Finance</i> , Taylor and Francis Group, Volume 2, Issue 1, 2014	Rajesh Acharya H and Vishal Gaikwad
8.	Building Business with Brands : Effects of Brand Extension Decisions on Existing Brands"	Journal of Marketing Vistas, Vol 4. No. 2, July - December 2014, pp:	Sheena

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Simplified and Improved Analytical Hierarchy Process Aid for Selecting Candidate Network in an Overlay Heterogeneous Networks	Springer International Journal of Wireless Personal Communications, Published Online, March 2015	B R Chandavarkar G Ram Mohana Reddy
2	Depth-based Selective Blurring in Stereo Images Using Accelerated Framework	Springer Journal of 3D Research (3D Res 2014), 5:14, Online, June 25, 2014	Subhayan Mukherjee G Ram Mohana Reddy

3	Bat-Termite: a Novel Hybrid Bio-inspired Routing Protocol for Mobile Ad Hoc Networks	Inderscience Int. Journal of Wireless and Mobile Computing, Vol. 7, No. 3, pp. 258-269, Online 30 May 2014	Kiran Manjappa, G Ram Mohana Reddy
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5	A Novel Sentiment Analysis of Social Networks Using Supervised Learning	Springer Journal of Social Networks Analysis and Mining, (2014) 4:181, Online 13 March 2014	Malhar Anjaria G Ram Mohana Reddy
6	TFSR: Trust Factor Evaluation based Secure Routing Protocol for Wireless Sensor Network	International Journal on Trust Management in Computing and Communications (accepted for publication on 11th January 2015)	Geetha V K Chandrasekaran
7	Identification of Parameters and Trust Factors for Trust Based Secure Communication in Wireless Sensor Networks	International Journal of Information Processing (IJIP), Volume 8, Number 4, 2014 March 2015	Geetha V K Chandrasekaran
8	A Distributed Trust Based Secure Communication Framework For Wireless Sensor Networks	<u>Journal on Wireless Sensor Networks, Scientific Research, 2014, Vol 6, No. 9, 173-183</u> <u>DOI: 10.4236/wsn.2014.69017, Sept. 2014</u>	Geetha V K Chandrasekaran
9	Trust Factor Based LEACH-C Protocol for Wireless Sensor Networks	International Journal of Computer Applications (IJCA), 105(18): 43-48, November 2014. DOI: 10.5120/18700-9895.	Geetha V K Chandrasekaran
10	An Equal Share Ant Colony Optimization Algorithm for Job Shop Scheduling adapted to Cloud Environment	Lecture Notes in Electrical Engineering, Springer Hiedelberg, 2014, [ISSN 1876-1100] (DOI 10.1007/978-3-319-03692-2_7)	Rajesh Chaukwale Sowmya Kamath S
11	A prototype of an Intelligent Search Engine using Machine Learning based Training for Learning to Rank	Advanced Computing, Networking and Informatics, Smart Innovation, Systems and Technologies Volume 27, 2014, pp 67-75 [ISSN: 2190-3018]	Piyush Rai, Shrimai Prabhumoye, Pranay Khattri, Love Rose Singh Sandhu Sowmya Kamath S

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1	Radio Numbers of Certain m-Distant Trees	Journal of Discrete Mathematics, vol. 2014, Article ID 486354, 6 pages, 2014. doi:10.1155/2014/486354	Srinivasa Rao Kola and Pratima Panigrahi
2	Harmonious colorings of digraphs	Ars. Combinatoria, 119 (2015)339-352	S. M. Hegde, Lolita Priya
3	On graceful unicyclic wheels	Ars. Combinatoria, 117(2014), 47-64	S. M. Hegde, Shivarajkumar
4	On k-graceful labeling of directed graphs	Utilitas Mathematica, Vol. 95,(2014),161-173	S. M. Hegde, Shivarajkumar
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6	Class of Bounded Operators associated with an Atomic System	Tamkang Journal of Mathematics, Vol.46, No.1, 85-90, March 2015	P. Sam Johnson and G. Ramu
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8	Ball Convergence for a Newton-Steffensen-Type Third-Order Method	Advances in Nonlinear variational Inequalities, Vol.18, No.1, (2015), 37– 45	I. K. Argyros, S. George
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10	Enlarging The Convergence Ball Of The Method Of Parabola For Finding Zero Of Derivatives	Applied Mathematics and Computation 256 (2015) 68–74 .	I.K.Argyros and S. George
11	Local convergence of deformed Halley method in Banach space under Holder continuity conditions	Nonlinear Sc. Appl. 8(2015), 246–254.	I.K.Argyros and S. George
12	Local convergence for multi-point-parametric Chebyshev-Halley-type methods of high convergence order	Journal of Computational and Applied Mathematics 282 (2015) 215224.	Ioannis K. Argyros, S. George and A. Alberto Magre
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15	Expanding the convergence domain for Chun-Stanica-Neta family of third order methods in Banach spaces	J. Korean Math. Soc. 52 (2015), No. 1, pp. 2341, http://dx.doi.org/10.4134/JKMS.2015.52.1.023	I.K.Argyros,S.George and A. Alberto Magre
16	Expanding the applicability of Newton-Tikhonov method for ill-posed equations	DANALYSE NUMERIQUE ET DE THEORIE DE L'APPROXIMATION (Journal of Numerical Analysis and Approximation Theory), Tome 43, No 2, 2014, pp. 131148	Ioannis K. Argyros and S. George
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20	Newton type iteration for Tikhonov regularization of nonlinear ill-posed problems in Hilbert scales	Journal of Mathematics, Volume 2014, Article ID 965097, 9 pages, http://dx.doi.org/10.1155/2014/965097 .	M. E. Shobha and S. George
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27	Expanding the applicability of Lavrentiev regularization methods for ill-posed equations under general source condition,	Nonlinear Functional Analysis and Applications, Vol 19, No.2,(2014), 177-192.	I.K.Argyros and S.George
28	On a deformed Newtons method with third order of convergence under the condition	Advances and Applications in Mathematical Sciences, Vol.13, No. 1, 1-18.	S.George and I.K.Argyros
29	An Analysis of Lavrentiev regularization method and Newton type process for nonlinear ill-posed problems	Appl. Math. Comput.230, 406-413.	V. Vasin and S. George
30	On the semilocal convergence of Newton's method for sections on Riemannian manifolds,	Asian-European J.Math., 07, 1450007 (2014) [17 pages] DOI: 10.1142/S1793557114500077	I.K.Argyros and S.George
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33	Expanding the applicability of a Two Step Newton-type projection method for ill-posed problems	Funct. Approx. Comment. Math. Volume 51, Number 1 (2014), 141-166.	Ioannis K. Argyros, Monnanda Erappa Shobha and Santhosh George
34	On the semilocal	Nonlinear Functional Analysis	S.George and I.K.Argyros

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36	A two step Newton type iteration for ill-posed Hammerstein type operator equations in Hilbert scales,	J.Intgr.Eq.Appl., 26,1(2014), 91-116	Monnanda Erappa Shobha, Santhosh George and M. Kunhanandan
37	Entrance Region Flow of Herschel-Bulkley Fluid in an Annular Cylinder	Applied Mathematics, Vol.5, No 13, (2014) pp.1964-1976.	Rekha G.Pai and A.Kandasamy
38	Entrance Region Flow of Bingham Fluid in an Annular Cylinder	International Journal of Applied Engineering Research, Vol 9, No. 20, (2014), pp 7083-7101	Rekha G.Pai and A.Kandasamy

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1.	A novel concept to estimate the steady state heat flux from impinging premixed flame jets in an enclosure by numerical IHCP technique	International Journal of Heat and Mass Transfer 79 (2014) 342–352	V. Hinasageri, R. P. Vedula and S. V Prabhu
2.	A novel method of estimation of adiabatic wall temperature for impinging premixed flame jets	International Journal of Heat and Mass Transfer 77 (2014) 185–193	V. Hinasageri, R. P. Vedula and S. V Prabhu
3.	Heat transfer distribution for impinging methane – air premixed flame jets	Applied Thermal Engg. 73 (1), 461-473 (2014)	V. Hinasageri, R. P. Vedula and S. V Prabhu
4.	Effect of preheated mixture on the heat transfer distribution of impinging methane-air flame jets	International Journal of Heat and Mass Transfer, 86 (2015) 550–562	A. R. Tajik, P. Kuntikana, S. V Prabhu ,V.Hinasageri
5.	An experimental and numerical investigation of heat transfer distribution of perforated plate burner flames impinging on a flat plate	International Journal of Thermal Sciences, 94 (2015) 156-169	V. Hinasageri, Pramod Kuntikana, R. P. Vedula and S. V Prabhu

6.	Study on Performance of Savonius rotor type Wave Energy Converter used in conjunction with Conventional Rubble Mound Breakwater	Ocean engineering, 2014	Bikas G. S., Ramesh H. Gowda, V. Hindasageri
7.	Effect of Oxygen enrichment of Intake air on the Performance and Emission of Single Cylinder CI Engine Fueled with Cardanol Blends.	Distributed Generation and Alternative Energy Journal, 30, (2015), 006-014	Dinesha P., Mohanan P.
8.	Studies on the environmental emission and performance of a single cylinder CI engine with enhanced air oxygen combustion	Biofuels	Dinesha P., Vighnesha Nayak, Shankar K.S., Mohanan P.
9.	Emission and Performance Enhancement of Multi-cylinder SI engine fuelled with LPG and vaporized water Methanol Induction	SAE Technical Paper, 2014-01-2764, (2014)	Patil B., Nayak V., Mohanan P.
10.	Heat transfer and pressure drop characteristic of zinc-water nanofluid	Heat Mass Transfer, DOI: 10.1007/s00231-014-1428-8	B. K. Sonage, P. Mohanan,
11.	A study of the effect of injection pressure on the combustion, performance and emission characteristics of cardanol biofuel blend fuelled compression ignition engine	Asia-Pacific Journal of Chemical Engineering, DOI: 10.1002/apj.1845	Dinesha P., Mohanan P.
12.	Experimental and CFD Analysis of selective Catalytic Reduction Systems on DeNOx Efficiency of Single Cylinder Diesel Engine using NH ₃ as a Reducing Agent	Procedia Technology	Manoj Kumar A P and P Mohanan
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14.	Effect of Oxygen Enrichment on the Performance, combustion and emission of single cylinder stationary CI engine fueled with cardanol diesel engines	Journal of Mechanical Science and Technology, 28(7), (2015), 2919-2924	Mohan P., Dinesha P., Vignesh Nayak
15.	Experimental Analysis of Cardanol Biofuel as an Alternative Fuel for Diesel Engines with Air-side Oxygen Enrichment	Applied Mechanics and Materials, 592-594, (2014), 1549-1553	Mohan P., Dinesha P., Vignesh Nayak, Dheeraj Kumar
16.	Modeling and Design of Field Programmable Gate Array based Real Time Robust Controller for Active Control of Vibrating Smart System	Volume 345, 9 June 2015, Pages 18–33, Journal of Sound and Vibration (JSV) – ELSEVIER PUBLICATIONS doi:10.1016/j.jsv.2015.02.002	Arun P Parameswaran, Ananthakrishnan B and K V Gangadharan
17.	Parametric Modeling and FPGA based Real Time Active Vibration Control of a Piezoelectric Laminate Cantilever Beam at Resonance	Journal of Vibration and Control (JVC) – Sage 2014 doi:10.1177/1077546313518818	Arun P Parameswaran and K V Gangadharan
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19.	Fault diagnosis of deep groove ball bearing through discrete wavelet features using support vector machine	1. Int. Journal of COMADEM, Vol. 17, Pg. 31- 37, 2014.	Kiran Vernekar, Hemantha Kumar and K.V.Gangadharan
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24.	Design, Synthesis and fabrication of Magneto Rheological Fluid Damper for low Frequency Application	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X PP 60-63	Subramanya R Prabhu B, Harisha S R, K V Gangadharan
25.	Verification of Johnson-Cook Material Model Constants of AA2024-T3 for use in Finite Element Simulation of Friction Stir Welding and its Utilization in Severe Plastic Deformation Process Modelling	International Journal of Research in Engineering and Technology (IJRET), Vol-03, Iss-06, Jun-2014, pp. 98-102	Sanjeev N K, Vinayak Malik, H. Suresh Hebbar
26.	Effect of Coefficient of Friction in Finite Element Modeling of Friction Stir Welding and its Importance in Manufacturing Process Modeling Applications	International Journal of Applied Science and Engineering Research, Volume-3, Issue-4, August 2014, pp. 755-762	Sanjeev N K, Vinayak Malik, H. Suresh Hebbar
27.	Time Efficient Simulations of Plunge and Dwell Phase of FSW and its Significance in FSSW	Procedia Materials Science, Volume 5, Sep 10, 2014, Pages 630–639	Vinayak Malik, Sanjeev N K, H. Suresh Hebbar, Satish V. Kailas
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33.	Static Behaviour of Visco-Elastic Sandwich Plate with Nano-Composite Facings under Mechanical Load	Procedia Materials Engineering, 2014, Vol.5, 1376–1384.	Prakashkumar Kavalur, P. Jeyaraj, Ravindra Babu,
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2	Applications of Expert system in Mining: A Review.	Int. Jl. of Earth Sciences and Engineering, Vol- 7, No. 1, 223-229	Ram Chandar, K., & Honey Agarwal, .

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3	Solder joint reliability of Sn-0.7Cu and Sn-0.3Ag-0.7Cu lead-free solder alloys solidified on copper substrates with varying surface roughness	Materials Science and Technology 29(12), 1430-1440	2013	Sathyanarayan and K. N. Prabhu
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5	Review of Microstructure Evolution in Hypereutectic Al-Si alloys and its Effect on Wear Properties	Transactions of the Indian Institute of Metals 67 (1), 1-18	2014	Vijeesh V and K.N. Prabhu
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55	A Study on Thermal Behaviour of Aluminium Cenosphere Powder Metallurgy Composites Sintered in Microwave	Procedia Materials Science, 5 (2014), 1066-1074	2014	M G Ananda Kumar, S Seetharamu, Jagannath Nayak and L N Satapathy,

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Investigation of hole transport in	Accepted in	Jean M. Fernandes, M

	α -NPD using impedance spectroscopy with F4TCNQ as hole-injection layer	Superlattices & Microstructures (2015)	Raveendra Kiran, Hidayath Ulla, M. N. Satyanarayan and G Umesh
2	Investigation of hole-injection in α -NPD using capacitance and impedance spectroscopy techniques with F4TCNQ as hole-injection layer: Initial Studies	Superlattices & Microstructures Vol. 76, 385-393 (2014)	Jean M. Fernandes, M. Raveendra Kiran, Hidayath Ulla, M.N. Satyanarayan and G. Umesh,
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5.	Optical, dielectric and mechanical properties of silver nanoparticle Embedded calcium phosphate glass	Journal of Non-Crystalline Solids 402 (2014) 204–209	G. Venkateswara Rao, H.D. Shashikala
6.	Effect of heat treatment on optical, dielectric and mechanical properties Of silver nanoparticle embedded CaO-CaF ₂ -P ₂ O ₅ glass	Journal of Alloys and Compounds 622 (2015) 108–114.	G. Venkateswara Rao, H.D. Shashikala
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8.	Optical and mechanical properties of Calcium Phosphate glasses	Glass Physics and Chemistry 40 (2014), 303-309	Venkateswara Rao G. And Shashikala H. D.
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1.	Hydrological impacts of afforestation - a review of research in India	Journal of Forestry Research, 25(1), 37-42, 2014	Venkatesh B, L. Nandagiri and Purandara, B.K.
2.	Spatial variability of topsoil chemical properties	Indian Journal of Agricultural Research" (NAAS Rating 3.86) Print ISSN : 0367-8245 Online ISSN : 0976-058X	Binny Gopal, Amba Shetty, .Jayaprakash and D.Y Chaya
3	Analysis of monsoon onset trend and extreme rainfall events over Nethravathi river basin	ISH Journal of Hydraulic Engineering, 20(2), 202-2012. (Taylor and Francis).	Santosh Babar and H. Ramesh
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5	Land use/Land cover changes around Rameshwaram Island, East Coast of India	Indian Journal of Geo-Marine Sciences, Vol. 42(3)	R Gowthaman, G S Dwarakish and V Sanilkumar

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Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
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1	"Ambush Marketing: An Undeserved Advantage",	Poseidon, Journal of Commerce, Management and Social Sciences, Vol. I, ISSN: 2319-6238, pg:180-185	Sheena
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1	Computer Aided Cooling Curve Analysis and Microstructure of Cerium Added Hypereutectic Al-Si (LM29) Alloy	Transactions of the Indian Institute of Metals, 67(4), 541-549	2014	Vijeesh V and K.N. Prabhu
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7	Analyzing the seasonal water consumption fluctuation and consumers attitudes for better water management:A case study	International Conference on Civil Engineering (ICCE-2014), Bangalore, India, August 21-23, ISBN:978-93-5107-268-3, ELSEVIER PUBLICATIONS, pp275-281.	Surendra H.J. and Deka P.C.

8	Modeling Pan evaporation using Support Vector Machine with Parameter Optimization	Proceedings of International conference on Emerging trends in Engineering[ICETE-2014],NITTE.15 th -17 th May2014[NMAM Institute of Technology,Nitte,ISBN:978-93-83083-80-0,pp110-116	Leeladhar Pammar and Paresch Chandra Deka
9	Performance evaluation of Hybrid structured techniques for short term wind speed forecasting in Arabian Sea	Proceedings of International conference on Emerging trends in Engineering[ICETE-2014],NITTE.15 th -17 th May2014[NMAM Institute of Technology,Nitte,ISBN:978-93-83083-80-0,pp73-78	Sanjeev Gadad and Paresch Chandra Deka
10	Performance evaluation of various artificial intelligence models for estimating daily evapotranspiration under limited data condition	Proceedings of International conference on Emerging trends in Engineering[ICETE-2014],NITTE.15 th -17 th May2014[NMAM Institute of Technology,Nitte,ISBN:978-93-83083-80-0,pp48-53	Amit prakash Patil and Paresch Chandra Deka
11	Comparative analysis of regression,fuzzy and neurofuzzy techniques for predicting water consumption using climatic variables	Proceedings of International conference on Emerging trends in Engineering[ICETE-2014],NITTE.15 th -17 th May2014[NMAM Institute of Technology,Nitte,ISBN:978-93-83083-80-0,pp16-20	Surendra H J and Paresch Chandra Deka
12	Stability studies on Tandem breakwater with concrete cube armour	11 th International Conference on Hydro-Science and Engineering - ICHE-2014 held at Hamburg University, Hamburg, Germany, during 28 th Sept to 2 nd Oct, 2014, ISBN 978-3-939230-32-8, pp 445-452.	Manu
14	Histogram Equalization Based Mean Self – Adaptive Plateau Histogram Equalization for Brightness Preserving and Contrast Enhancement	3 rd World Conference on Applied Sciences, Engineering and Technology, Nepal, India, 27-29 September 2014	Raju A, Dwarakish G. S, and D. Venkat Reddy
15	Relocation of Waste Bins: A GIS Approach, 3rd World Conference on Applied Sciences, Engineering and Technology	Nepal, India, 27-29 September 2014	Ganasri B. P, Raju A, and Dwarakish G. S
16	Comparison of Classification Techniques Through Studying Land Use and Land Cover Change Pattern of Harangi Catchment, Karnataka State, India	19th IAHR-APD 2014 Conference, Water Resources University, Hanoi, Vietnam, 21-24 September, 2014	Ganasri B P, Arun. A. M, Praveen Raj, Sriram. S and Dwarakish G. S

17	Automatic Shoreline Detection and Change Detection Analysis of Netravati-Gurpur Rivermouth using Histogram Equalization and Adaptive Thresholding Techniques	19th IAHR-APD 2014 Conference, Water Resources University, Hanoi, Vietnam, 21-24 September, 2014	Raju. A, Ganasri B P, Dwarakish G. S and D. Venkat Reddy
18	Wave Prediction at Karwar using Neural Networks and Particle Swarm Optimization	HYDRO 2014 INTERNATIONAL, Maulana Azad National Institute of Technology Bhopal (M.P.) India during Dec 18-20 2014	Deepthi. I. Gopinath, P.Sriram.Kumar, Nujuma.Nazimudhin and G.S.Dwarakish
19	Shoreline Change Analysis Of Dakshina Kannada Coast Along West Coast Of India Using Remotely Sensed Data	HYDRO 2014 INTERNATIONAL, Maulana Azad National Institute of Technology Bhopal (M.P.) India during Dec 18-20 2014	Raju. A, Dwarakish G. S , Vijaya Laxmi and Jayappa K S
20	Different Approaches For Reservoir Sedimentation Modeling By Using TABS -MD Model A Review	HYDRO 2014 INTERNATIONAL, Maulana Azad National Institute of Technology Bhopal (M.P.) India during Dec 18-20 2014	Arega Mulu and G.S. Dwarakish
21	Event Based Stream Flow Estimation and Validation Using Semi-Distributed Hydrological Model in Netravati River Basin, Karnataka State, India	HYDRO 2014 INTERNATIONAL, Maulana Azad National Institute of Technology Bhopal (M.P.) India during Dec 18-20 2014	B P Ganasri, Neeraj Rajasekar, Tasneem Ashraf, Suruchi Sah, Raju A, Dwarakish G S
22	Satellite Image Contrast Enhancement Algorithm based on Plateau Histogram Equalization	IEEE Region TENSYP2014, Kaula Lumpur, Malaysia, 14-16 April, 2014	Raju. A, Dwarakish G. S and D. Venkat Reddy
23	Sediment Dynamics in New Mangalore Port—An Overview	Proc. <i>International Symposium on Integrated Water Resources Management (IWRM-2014)</i> , ISBN:978-81-8424-906-4, CWRDM, Kozhikode, Kerala, India, February 19–21, 2014, pp 520-525	Parvathy K G, Deepthi I Gopinath and Dwarakish G S
24	Assessment of Spatial Variability of Soil Physical and Hydraulic Properties in Netravati Catchment, Karnataka State, INDIA	Proceedings of International Conference on Technologies for Sustainable Development (ICTSD-2015), Mumbai, India, Feb. 04 – 06, 2015	B P Ganasri and Dwarakish G S
25	GIS for conservation of Sacred Groves of Kodagu District-A traditional cultur	Proceedings of 2 nd International Conference on Earth Science and Engineering (ICEE-2015), Coimbatore, TN, India, March 20-21, 2015	Sushma Shashi B, Dwarakish G S and K B Kiran
26	GIS and Open Geosuite for sacred groves of Kodagu District	Proceedings of i-manager's International Conference on Engineering and	Sushma Shashi B and Dwarakish G S

		Technologies (IICET 2015), Thiruvananthapuram, India, April 10-11, 2015, pp. 94-100	
27	Application of Artificial Neural Networks for the Estimation of Wave Parameters	Proceedings of i-manager's International Conference on Engineering and Technologies (IICET 2015), Thiruvananthapuram, India, April 10-11, 2015, pp. 148-153	Liju K V, Dwarakish G S , Akhil Muhammad Salim, Justin Thomas, Gayathri K, and Rajeesh R

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Sl. No.	Title of Paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Neural network modeling of urea release from paraffin wax coated briquettes	International Conference on Environment and Sustainable Technologies, January 3-5, 2014, Manipal Institute of Technology, Manipal, India	M R Bhat, D V R Murthy, M B Saidutta
2	Studies on Aqueous Two Phase Partitioning of α -Lactalbumin and β -Lactoglobulin in Poly (ethylene glycol) – Salt Systems	International Conference on Recent Advances in Engineering Sciences 2014, during 4 - 5 September 2014, Organized by M.S. Ramaiah Institute of Technology, Bangalore	Kalaivani S, Surya S, Regupathi I
3	Isolation and characterization of cellulose microfibrils from agricultural residue- <i>Jatropha Curcas</i> L seed shell.	International Conference on Polymer Composites, NITK Surathkal, India held on 19-20 December 2014	Manjula M, Srinikethan G, Vidya Shetty K
4	Bioprocess development of Chitin Deacetylase production from recombinant E. coli pLysS cells	International Engineering Symposium 2015, Kumamoto Japan, 4 to 6 th March 2015.	Keyur Raval, Ritu Raval, Nitasha Chinaan, Stephan Kolkenbrock and Bruno Moerschbacher
5	Enzymatically Derived Chitosan Hydrogels: Preparation and application	International Engineering Symposium 2015, Kumamoto Japan, 4 to 6 th March 2015	Ritu Raval, Stephan Kolkenbrock and Bruno Moerschbacher,
6	Zinc sulphate as environmental friendly buffer layer for thin film solar cells,	2 nd International Conference on Nanotechnology ICNT – 2015, Haldia Institute of Technology, Haldia, West Bengal, India, February 19-22 2015.	Aniket M., Raghav I., Sachin Pai, Ajuy Sundar [#] , Noyel Victoria S*,
7	Synthesis of site-specifically	Proceedings of the	Pooja Nanda,

	PEGylated Uricase conjugates with improved pharmaceutical properties for the treatment of hyperuricemia	International Engineering Symposium-2015, Kumamoto University, Japan, 45-50.	P.E. JagadeeshBabu
8.	Photocatalytic Degradation of Phenol using Ag core TiO2 Nanoparticles under UV Light Irradiation,	Proceedings of International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE- 2015). 20 -21 March 2015 at NIT Warangal, Page No. : 47	Amruta S Shet, Vidya Shetty K,
9.	Synthesis Of Polystyrene/Clay Nanocomposites By Solution intercalation Method To Study Morphology And Thermal stability	<i>International Conference on New Frontiers in Chemical, Energy and Environmental Engineering_(INCEEE- 2015).</i> 20 -21 March 2015 at NIT Warangal	Kezia Buruga, Jagannathan .T.K

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Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Behaviour of Prestressed Reinforced Foundation Beds Overlying Weak Soil	Paper ID: GS-K0028 under topic Ground Improvement, Geo- Shanghai 2014 (full ppr of 15 pgs as per GSP ASCE format Accepted), organized by Tongji Uni. China, May 26-28, 2014.	Shivashankar, R. and Jayamohan, J.
2	Analysis of foundation of tall RC chimney with 3D finite element method	Proceedings of the Intl. conf on computing in Civil and Building Engineering (ICCCBE2014), June 23-25, 2014, Florida, USA.	Jisha, S. V., Jayalekshmi, B. R. and Shivashankar, R.
3	Dynamic soil-structure interaction analyses of 300 m tall industrial RC chimneys on pile raft foundations	10th US National Conference on Earthquake Engineering (10NCEE), July 21-25, 2014, Anchorage, Alaska, USA. DOI: 10.4231/D33775W0V	Jisha, S. V., Jayalekshmi, B. R. and Shivashankar, R.
4	Dynamic Soil-Structure Interaction Analysis of Tall Chimney using Finite Element Method	2014 ANSYS Convergence Conference	Jisha, S. V., Jayalekshmi, B. R. and Shivashankar, R.
5	Comparative studies of reinforced and unreinforced foundation soil	International conference on emerging trends in engineering (ICETE 2014), NMAM Institute of Technology, Nitte, Paper ID S2.09.CE.150314.19., May 15-17, 2014.	Rajkumar Manisana, Nayana N. Patil, Rajashekhar Swamy, H.M. and Shivashankar, R.

6	Response of tall chimneys with piled raft and annular raft foundation under wind loads considering SSI	14 th Intl Conf. of the Intl. Association for Computer Methods and Advances in Geomechanics (14IACMAG), Kyoto, Japan, September 22-25, 2014, pg. 226 of volume of abstracts	Jayalekshmi, B.R., Jisha, S. V. and Shivashankar, R.
7	Seismic analysis of piled raft foundations of tall chimneys considering the effect of SSI	14 th Intl Conf. of the Intl. Association for Computer Methods and Advances in Geomechanics (14IACMAG), Kyoto, Japan, September 22-25, 2014, pg. 181 of volume of abstracts	Jayalekshmi, B.R., Jisha, S. V. and Shivashankar, R.
8	Effect of interface on behaviour of reinforced earth retaining wall	14 th Intl Conf. of the Intl. Association for Computer Methods and Advances in Geomechanics (14IACMAG), Kyoto, Japan, September 22-25, 2014, pg. 311 of volume of abstracts	Nayana N. Patil, Shivashankar, R. and Rajashekhar Swamy, H.M.
9	Studies on engineering properties of lithomargic clays of coastal Karnataka in India	ISLT 2014, 9th International Symposium on Lowland Technology "Problems and remedial measures of lowland", September 29 to October 01, 2014 at Saga, Japan, pp.93-100.	Shivashankar, R., Ravi Shankar, A. U. and Jayamohan, J.
10	Appropriateness of piled raft foundation for tall RC stack-like structures in coastal areas	ISLT 2014, 9th International Symposium on Lowland Technology "Problems and remedial measures of lowland", September 29 to October 01, 2014 at Saga, Japan, pp.385-392.	Jayalekshmi, B. R., Jisha, S. V. and Shivashankar, R.
11	Effect of varying building storeys in the presence of a tunnel on blast induced velocities and displacements	International Conference of Emerging Trends in Engineering, NMAMIT, Nitte	Nalini Rebello, Sastry, V. R. and Shivashankar, R.
12	Effects of Formation of Voids on the Behaviour of Prestressed Reinforced Granular Beds overlying Weak soil	Geosynthetics 2015, Portland, Oregon, USA, February 15-18 2015	Shivashankar, R and Jayamohan, J.
13	Soil-structure interaction response of tall	Engineering Mechanics Institute (EMI) international conference 2015	Jayalekshmi, B.R., Jisha, S.V. and Shivashankar, R.
14	A Demonstration of a Single Variable Genetic Algorithm Optimization for a 2-Phase Traffic Signal (Best Paper Certificate	Proc. International Conference on Information Technology, Science, Engineering, and	Varghese George, and Marsh M. Bandi

	Awarded)	Management (ICITSEM-215) held at Hyatt Place, Al-Rigga, Dubai, 25-26 Feb, 2015, pp34-39.	
15	Structural optimization using perfect nodal position search method	<i>Proc. of 4th International Engineering Symposium, March 4-6, 2015, Kumamoto University, Japan, Paper No. C1-5, pp.C151-C156</i>	Premanand Shenoy K S Babu Narayan Katta Venkataramana
16	Effect of nodal displacement for a beam using MeshFree method	<i>Proc. of 4th International Engineering Symposium, March 4-6, 2015, Kumamoto University, Japan, Paper No. C1-6, pp.C161-C164</i>	Bhavana Patel S S K S Babu Narayan Katta Venkataramana
17	Applications of shape memory alloy devices in vibration control of structures	<i>Proc. of 4th International Engineering Symposium, March 4-6, 2015, Kumamoto University, Japan, Paper No. C2-5, pp.C251-C256</i>	Vajreshwari Umachagi Manasa Bhat K I Katta Venkataramana
18	Earthquake response of masonry infill panels	<i>Proc. of 4th International Engineering Symposium, March 4-6, 2015, Kumamoto University, Japan, Paper No. C2-6, pp.C261-C266</i>	Catherin Jaselia B R Jayalekshmi Katta Venkataramana
19	Durability of concrete in coastal areas (severe zone)	<i>Proc. of 4th International Engineering Symposium, March 4-6, 2015, Kumamoto University, Japan, Paper No. C3-3, pp.C331-C336</i>	Girish Kumar, Abhishek Salkar, Abhishek Master, Anan Bhattad, Katta Venkataramana, Rajendra Prabhu K
20	Study on unlined rock caverns for storage of crude oil and stability analysis using numerical methods	<i>Proc. of 4th International Engineering Symposium, Kumamoto University, Japan, March 4-6, 2015, pp C-7-3-7.</i>	Sunil B.M., Deepthi K.Achar, and Anil S. D'Souza
21	Heavy metal contamination of Soils	<i>Proc. of 4th International Engineering Symposium, Kumamoto University, Japan, March 4-6, 2015, pp C-7-1-6.</i>	Sunil B.M., and V.V.Mayya
22	Study on the Utilization of Unconventional Materials as a Substitution Material for Fine Aggregates in Concrete	<i>Proc. of 4th International Engineering Symposium, Kumamoto University, Japan, March 4-6, 2015, pp C-6-1-6.</i>	Sunil B.M., Madhura B and Balasubramanya M
23	Hazardous Waste Management	<i>Proc. of 4th International Engineering Symposium, Kumamoto University, Japan, March 4-6, 2015, pp C-7-2-5.</i>	Sunil B.M., and Rangnath P. Aithal
24	Effect of Aggregate Gradation and Bitumen Content on Workability of HMA Mixtures	<i>In the Proceedings of the 4th International Engineering</i>	Abhijith B S and Suresha S. N.

		<i>Symposium (IES2015), held at Kumamoto University, Japan, during 4-6 March, 2015, pp C4-4-1</i>	
25	Trajectory Data and Flow Characteristics of Mixed Traffic	In Proceedings of the 94 th Transportation Research Board Annual Meeting, January 2015, Washington D.C., USA	Venkatesan Kanagaraj, Gowri Asaithambi, Tomer Toledo and Tzu-Chang Lee
26	Soil-Structure Interaction Analysis of Reinforced Concrete Buildings with Various Shapes of Shear Wall – A comparative study of various international seismic code provisions	3 rd World Conference on Applied Sciences, Engineering and Technology(WCSET-2014), 27th - 29th September 2014 at Kathmandu, Nepal.	Chinmayi H.K., Jayalekshmi B.R.,
27	Soil-Structure Interaction Effects on Multi-Storey Buildings Considering Site Specific Ground Response	4 th International Engineering Symposium - IES 2015, March 4-6, 2015, Kumamoto University, Japan.	Chinmayi H.K., Jayalekshmi B.R.,
28	Transient analysis of multi storey shear wall buildings in soft soil	4 th International Engineering Symposium - IES 2015, March 4-6, 2015, Kumamoto University, Japan.	Jayalekshmi B.R., Chinmayi H.K.,
29	Phosphate absorption on heat activated Laterite Soil And Activated Carbon Produced From Wasted Activated Sludge	<i>International Conference On Sustainable Energy And Built Environment, VIT, India (March 2015) [Best Paper Award]</i>	Uthra S Kumar and Arun Kumar Thalla (2015)
30	Performance evaluation of Sequencing Batch Moving Bed Biofilm Reactor Using Synthetic Wastewater	<i>International Conference On Sustainable Energy And Built Environment, VIT, India (March 2015)</i>	Manu D S and Arun Kumar Thalla
31	Application of Geo-informatics technology and electrical survey for the study of disaster impact on earth resources due to lighting.	Proceedings of the 17th International Conference of India Geospatial Forum-2015, Hyderabad, February 2015.	Lokesh, K.N., Naveenchandra, Usha and Gangadhara Bhat.

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Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Performance Evaluation of CoDel for Active Queue Management in Wired-Cum-Wireless Network	Fourth International Conference on Advanced Computing and Communication Technologies (ACCT 2014)	Tarun Jain, Annappa B, Mohit P. Tahiliani

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2.	Analysis of sfqCoDel for Active Queue Management	Fifth International Conference on Applications of Digital Information and Web Technologies (ICADIWT 2014)	Preethi Rao, Mohit P. Tahiliani, Uday Kumar Shenoy
3.	Experimental Analysis of CUBIC TCP in Error Prone MANETs	Fifth International Conference on Applications of Digital Information and Web Technologies (ICADIWT 2014)	Deepa Kumari, Mohit P. Tahiliani, Uday Kumar Shenoy
4.	Stormgen - A Domain specific language to create Ad-Hoc Storm Topologies	International Conference, 10 th in the series, 2014	Siddharth Santurkar, Abhishek Arora and K Chandrasekaran
5.	Repetition Detection in Stuttered Speech	3rd International Conference on Advanced Computing, Networking and Informatics (ICACNI-2015)	Pravin B Ramteke, Shashidhar G Koolagudi, and Fathima Afroz
6.	Recognition of Repetition and Prolongation in Stuttered Speech Using ANN	3rd International Conference on Advanced Computing, Networking and Informatics (ICACNI-2015)	Savin P S, Pravin B Ramteke, and Shashidhar G Koolagudi
7.	Single image super resolution from compressive samples using two level sparsity based econstruction	International Conference on Information and Communication Technologies(ICICT 2014)	Aneesh G Nath, Madhu S Nair, Jeny Rajan
8.	Technological Perspectives of Inclusive Education and its challenges	International Conference on Inclusive Education – Perspectives and challenges, 6- 7 March, 2015	M. Jagadeesh
9.	Survey Of Privacy Preserving Distributed Association Rule Mining Techniques	Second International Conference on Emerging Research in "Computing, information, communication and Applications"(ERCICA-2014), 01-02 AUGUST, 2014	Shubra Rana, Santhi Thilagam
10.	Hierarchical Homomorphic Encryption Based Privacy Preserving Distributed Association Rule Mining	International Conference on Information Technology (ICIT 2014),PP: 379-385, Dec 2014	Shubhra Rana, P. Santhi Thilagam

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11.	Optimization of contour based template matching using GPGPU based hexagonal framework	HIS 2014: 135-140, Nov 2014	Mayank Bhagya, Sanjay Tripathi, P. Santhi Thilagam
12.	A broker based approach for cloud provider selection.2014 International Conference on Advances in Computing, Communications and Informatics	(ICACCI 2014): pp.1252-1257, Nov 2014	Raghavendra Achar, P. Santhi Thilagam
13.	Service Optimization in Cloud using Family Gene Technology	3rd International Conference on Advances in Computing, Communications and Informatics (ICACCI 2014) Noida, Delhi, 1152 - 1157	Alaka Ananth and K. Chandrasekaran
14.	Game Theoretic Approaches for Job Scheduling in Cloud Computing: A Survey	5th International Conference on Computer and Communication Technology (ICCCT 2014), MNNIT, Allahabad, PP: 79 - 85	Alaka Ananth and K. Chandrasekaran
15.	A Perspective Study of Virtual Machine Migration	3rd International Conference on Advances in Computing, Communications and Informatics (ICACCI 2014), Noida, Delhi, 1499-1503	Christina Terese Joseph, K. Chandrasekaran and Robin Cyriac
16.	Improving the efficiency of Genetic Algorithm approach to Virtual Machine Allocation	5th International Conference on Computer and Communication Technology (ICCCT 2014), MNNIT, Allahabad, pp.111-116	Christina Terese Joseph, K. Chandrasekaran and Robin Cyriac
17.	A Novel Family Genetic Approach for Virtual Machine Allocation	International Conference on Information and Communication Technologies (ICICT- 2014), Kochi	Christina Terese Joseph, K. Chandrasekaran and Robin Cyriac
18.	Securing Cloud Workflows Using Aggressive Chinese Wall Security Policy	First International Conference on Networks & Soft Computing, 2014, pp:85-91	Anupa J, K. Chandra Sekaran

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19.	Cloud Workflow and Security: A Survey	3rd International Conference on Advances in Computing, Communications and Informatics (ICACCI-2014), Noida, Delhi, 1598-1607	Anupa J, K. Chandra Sekaran
20.	Study and Analysis of Various Task Scheduling Algorithms in the Cloud Computing Environment	3rd International Conference on Advances in Computing, Communications and Informatics (ICACCI-2014)	Teena Mathew, K. Chandra Sekaran, John Jose
21.	Mobile Single Sign-On Solution for Enterprise Cloud Applications	First International Conference on Networks & Soft Computing, 2014	Spoorthi V, K. Chandrasekaran
22.	Trust Models in Cloud: A Survey on Pros and Cons	New Trends in Networking, Computing, E-learning, Systems Sciences, and Engineering Lecture Notes in Electrical Engineering, 2014, Volume 312 (Springer)	Usha Divakarla., K. Chandrasekaran
23.	Autonomic SLA Management in Cloud Computing Services	Second International Conference on Security in Computer Networks and Distributed Systems (SNDS-2014), IIITM-Kerala, 151-159	Anithakumari S and K Chandrasekaran
24.	Trust Based Centralized Low Energy Adaptive Clustering Hierarchy (LEACH-C) for Wireless sensor Network	Second International Conference on Emerging Research in Computing, Information, Communication and Applications, NMIT 2014, Bangalore, pp. 468-474	Geetha.V, K. Chandrasekaran, Shridhar Sanshi, Anupama Sikchi
25.	Identification of Parameters for Trust Management in Wireless Sensor Networks	Eighth International Conference on Communication Networks (ICCN 2014), UVCE, Bangalore, pp. 154-161	Geetha.V and K. Chandrasekaran
26.	A Game Theoretic Approach to a Self Managing Mooc Based Distributed System	2 nd IEEE Conference on Moocs, Innovation and Technology in Education, Thapar University, Patiala, India, 2014, 187-192	Nimisha Sharath, Shivani Snehal Parikh and K. Chandrasekaran

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27.	Bat Algorithm for Scheduling Workflow Applications in Cloud	International Conference on Electronic Design Computer Networks and Automated Verification (EDCAV 2015) pp: 139-144	S. Raghavan, Marimuthu C, Sarwesh P and K. Chandrasekaran
28.	Analysis of Emerging Workflow Scheduling Algorithms in Cloud	4 th International Engineering Symposium, 2014	S. Raghavan and K. Chandrasekaran
29.	An Approach To Reduce Vehicular Congestion	9th International Conference on Intelligent Systems and Control (ISCO 2015), Karpagam College of Engineering	Aathira T Dev, S Udhayavene, K Chandrasekaran
30.	Reducing DNS cache poisoning attacks	2015 International Conference on Advanced computing & Communication Systems (ICACCS 2015), Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu	Jayashree Mohan, Shruthi Puranik, K Chandrasekaran
31.	A Green Greedy Process Scheduler for Cloud Data Centers	1 st International Conference on Contemporary Computing and Informatics, Mysore, India, 1302-1309.	C Karthik, Aayush Gupta, K Chandrasekaran
32.	Comparison of OpenCL and CUDA Frameworks on Heterogeneous Systems	7th International Conference on Electrical, Electronics, Computing and Communication Systems (EECCS'15), Bangalore	Mayank Bhura, Pranav Hemant Deshpande, K. Chandrasekaran
33.	Cluster Based Routing in NDN	12th International Conference on Information Technology - New Generations (ITNG), Las Vegas, USA.	Gaurav Verma, Arun Nandewal, K Chandrasekaran
34.	CybrOS: Virtual Cloud Operating System	International Conference on Current Trends in Advanced Computing (ICCTAC 2015),	Shubham Badal, Vishal Kumar Sah, K Chandrasekaran
35.	IntelliSearch:A Search Engine based on Big Data Analytics integrated with Crowdsourcing and category-based search	International Conference on Circuit, Power and Computing Technologies (ICCPCT 2015), Noorul Islam Centre for Higher Education, Kanyakumari.	Ajeet Lakhani, Ashish Gupta, K Chandrasekaran

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36.	A Software Architecture for a Fully Decentralized Peer to Peer System	2015 IEEE International conference on Computing and Communications Technologies (ICCCCT'15), Sri Sai Ram Engineering College, Chennai.	Meghana Iyli, Arya Ravi, K Chandrasekaran
37.	Analysis of MapReduce Scheduling and Its Improvements in Cloud Environment	International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015 (IEEE SPICES 2015).	Sofia D'Souza, K Chandrasekaran
38.	Multimedia Streaming using Cloud Based Peer to Peer Systems	Third International Conference on Recent Trends in Computing (ICRTC 2015), Ghaziabad, Elsevier.	Navin Thomas, Mathew Thomas, K. Chandrasekaran
39.	Meta-Classifer Based Approach to Software Change Classification	4th International Engineering Symposium, Kumamoto University, Japan.	Sreecharan Sankaranarayanan, Vidyashankar B Lakshman, K Chandrasekaran
40.	Aspects of Effective Software Metrics	7th International Conference On Advances in Computer Sciences, Software Solutions, E-Learning, Information & Communication Technology (ACSEICT- 2015)	Gaurangi Saxena, Asmita Gupta, K. Chandrasekaran

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Sl. No.	Title of paper	Conference Name, Place, Dates, Page No.s	Author(s)
1.	Design and Synthesis of Metal-Free Organic Chromophores for Dye-Sensitized Solar Cells.	International Conference on Advanced Functional materials (ICAFM-2014).CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala, India. February 19-21, 2014.	Dickson D. Babu and Airody Vasudeva Adhikari
2.	Molecular Engineering and Theoretical Investigation of Metal-Free Organic Chromophores for Dye-Sensitized Solar Cells.	Emerging Materials: Characterization & Application - 2014 (EMCA-2014), CSIR-Central Glass & Ceramic Research Institute, Kolkata, December 4-6, 2014.	Dickson D. Babu and Airody Vasudeva Adhikari
3.	Flexible Binder free	5 th Chemical Nanoscience	L.S. Aravinda, K. Udaya

	electrode for Ultracapacitor	Symposium (CNSN-5), Newcastle University, United Kingdom, 26 th March, 2015.	Bhat, Jiacheng Wei, FawadInam and B. Ramachandra Bhat
4.	Electrochemical determination of dopamine using ZnO rod modified carbon paste electrode	NANOCON014', BharatiVidyapeeth University, Pune, 14th-15th October, 2014.	Prasad R.J and Badekai Ramachandra Bhat
5.	Magnetically recoverable immobilized cobalt nanocatalyst for oxidation of alcohols	3 rd international conference on Nanotechnology- Smart materials, Composites, Applications and new inventions, BharatiVidyapeeth University, Pune, 14th-15th October, 2014.	Bhat, P.B. & Bhat, B.R.
6.	Synthesis and characterization of zn doped bawo4 nanocrystalline materials for photocatalytic applications	13th Eurasia conference on Chemical science, Bangalore, Dec. 14-18, 2014.	M. Mohamed JafferSadiq, A. Samson Nesaraj, D. Krishna Bhat
7.	Sonocatalytic degradation of Rhodamine B by zinc tungstate-reduced graphene oxide nanocomposite prepared using microwave irradiation method.	Advanced Materials for Energy and Environmental Applications (AMEEA-2015). March 18-20, 2015 at Bharathiar University - Coimbatore	M. Mohamed JafferSadiq, D. Krishna Bhat
8.	Novel Supercapacitors Based on Metal-Organic Frameworks - Graphene Composites	International conference on Green Chemistry: Catalysis, Energy and Environment. Jan 22-24, 2015, Dept of Chemistry, Goa University.	Poonkodi Balasubramaniyan, Subramanya Byndoor and Dentheje Krishna Bhat
9.	Chitosan and its derivatives as potential materials for membrane technology (INVITED TALK)	International Conference on Polymer Composite 2014, December 17, 18 2014.	Dr. Arun M. Isloor
10.	Biopolymers in Membrane Technology (INVITED TALK)	International workshop held at Universiti Teknologi Malaysia during 05-08 March 2015	Dr. Arun M Isloor
11.	Nanoparticles & Organic additives for membranes (INVITED TALK)	International workshop held at Universiti Teknologi Malaysia during 05-08 March 2015	Dr. Arun M Isloor
12.	Chemical modification of polymers (INVITED TALK)	International workshop held at Universiti Teknologi Malaysia during 05-08 March 2015	Dr. Arun M Isloor

13.	Synthesis and Characterization of Psf/psu Based Polymer Blend Ultrafiltration Membrane for Heavy Metal Rejection	International Conference on Membrane based separations (MEMSEP 2015). 21-23 March 2015, Pg No 62.	Arun M. Isloor&IrfanaMoidin K.
14.	Probing the effect of immobilized Activated Bentonite Clay on Polyetherimide Membrane Matrix for heavy metal ion rejection	International Conference on Membrane based separations (MEMSEP 2015). 21-23 March 2015, Pg No 76.	Arun M. Isloor&Raghavendra S. Hebbar
15.	Imidazo [2,1-][1,3,4]thiadiazole-benzimidazole derivatives as potent antitubercular agents.	International Conference on chemical sciences (Eurassia-13), Indian institute of science, Bangalore, December 14-18, 2014.	JurupulaRamprasad, Nagabhushana Nayak, Udayakumar Dalimba, Perumal Yogeewari, Dharmarajan Sriram.
16.	Synthesis, characterization and antimycobacterial activity studies of some new 8-trifluoromethyl quinoline and pyrazole hybrids.	International Conference on chemical sciences (Eurassia-13), Indian institute of science, Bangalore, December 14-18, 2014.	Nagabhushana Nayak, Jurupula Ramprasad, Udaya Kumar Dalimba, Perumal Yogeewari, and Dharmarajan Sriram.

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Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Energy Efficient transmission of Rateless Codes over Free Space Optical channels	Proceedings of SPIE Photonics West LASE (Laser Technolgy and Industrial Laser Conference) held at Moscone Center San Francisco, California, USA, 7–12 , February 2015.	Geetha Prakash, Muralidhar Kulkarni U Sripati
2.	Integration of LwIP Stack over Intel(R) DPDK for High Throughput Packet Delivery to Applications	Proceedings of the 2014 Fifth International Symposium on Electronic System Design, IEEE Computer Society, NITK, Surathkal India, December 15-17, 2014 pp.130-134.	R. Rajesh Kannan Babu Ramia Muralidhar Kulkarni
3.	Inductive Tuned High Isolation RF MEMS Capacitive Shunt Switches	5th IEEE International Symposium on Electronic System Design (ISED), December 15-17, 2014	E.S. Shajahan M.S. Bhat Chenna Reddy
4.	Low Energy and Area Efficient Non-binary Capacitor Array based SAR ADC	5th International Symposium on Electronic System Design (ISED) 15-17 December, 2014	D. N. Jagadish M. S. Bhat
5.	A Low voltage Inverter	5th International Symposium on	D. N. Jagadish

	based Differential Amplifier for Low Power Switched Capacitor Applications	Electronic System Design (ISED) 15-17 December, 2014	M. S. Bhat
6.	GSM and GUI Based Remote Data Logging System	5th International Symposium on Electronic System Design (ISED) 15-17 December, 2014	Sadeque Reza Khan Rajsekhar Kumar Nath M.S. Bhat
7.	FPGA Implementation of a BCH Codec for Free Space Optical Communication System	Proceedings of the International Conference on Advances in Computing, Communications, technically sponsored by <u>IEEE Communications Society</u> and <u>IEEE Systems, Man, and Cybernetics Society</u> , held during September 24-27, 2014, New Delhi, India.	Shriharsha Koila Goutham Simha G D Muralidhar Kulkarni U. Sripati
8.	Symmetry Based Perceptually Lossless Compression of 3D Medical Images in Spatial Domain	International Conference on Computer, Communication, and Control Technology (I4CT, 2014), Malaysia, September 2014	Chandrika B.K Aparna P Sumam David
9.	Design of a Triple Band-Notched Circular Monopole Antenna for UWB Applications	11th IEEE International Conference on Wireless and Optical Communications Networks WOCN2014,11-13, September 2014	Chenna Reddy B E S Shajahan M S Bhat
10.	Modified Sierpinski Antenna for 2.4/5.8 GHz WLAN Applications	7th ISSS International Conference on Smart Materials Structures Systems, July 8-11, 2014	Ajith Sivadhasan Ramani Ankith Giliyar Shanthiraj Anoop Raghav Sheshadri Arun J Thomas Chenna Reddy Shankaranarayana M Bhat
11.	Advanced GSM Based Harvesting and Cultivation System	Digital Signal and Image Processing, Elsevier Science and Technology Publications, International Conference on Communication and Computing (ICC-2014), June 12-14, 2014, Bangalore, pp:1-8.	Sadeque Reza Khan Archis Banerjee M. S. Bhat Aritra Banerjee
12.	Wireless and GUI Based Smart Office Communication System	Digital Signal and Image Processing, Elsevier Science and Technology Publications, International Conference on Communication and Computing (ICC-2014), June 12-14, 2014, pp:44-51	Sadeque Reza Khan Archis Banerjee M. S. Bhat Aritra Banerjee
13.	Modern Home Automation System for Energy Conservation	Digital Signal and Image Processing, Elsevier Science and Technology Publications, International Conference on	Archis Banerjee Sadeque Reza Khan M. S. Bhat

		Communication and Computing (ICC-2014), June 12-14, 2014, pp: 98-105.	
14.	<i>Music Transcription of Karnatic Music through classification of Gamaka</i>	Midwest Music Information Retrieval Gathering, Northwestern University, Chicago, June 2014	Ashwin K Vijayakumar VinaySundarrajan Sreecharan Sankaranarayanan Sumam David S
15.	<i>Early Detection of Alzheimer's Disease using Image Processing on MRI Scans</i>	5 th IEEE Biosignals and Biorobotics conference (ISSNIP2014), Salvador, Brazil, May 2014	ChetanPatil MadhumithaSridhara Mathura M. G Sumam David MerwynFernandes AnandVenugopal B. Unnikrishnan
16.	MIMO Radar Ambiguity Analysis of Frequency Hopping Pulse Waveforms	IEEE Radar Conference (Radarcon 2014), Cincinnati, May 19-23, 2014	G.V.K Sharma P. Srihari K. Rajarajeswari
17.	Analysis of The Effect of Beacon Order and Superframe Order Value on Beacon-Enabled IEEE 802.15.4	Proceedings of International Conference for Convergence of Technology,(I2CT) 6th to 8th April, 2014, Pune.	Mr. Ganesh Awati N. Shekar V. Shet
18.	Internet of Things : A Birds Eye View	CSI Communications magazine, Vol no 38, issue no 1, April 2014	Sarwesh P N. Shekar V. Shet K. Chandraskaran

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Sl. No	Title of the paper	Conference Name., Place, Date, Page No,	Author(s)
1	Obtaining the Natural Frequencies of Linear Time-Invariant Dynamic Systems from Driving-Point System-Function Measurements Employing Conceptual Source-Measure Units	The IEEE International Conference for Convergence of Technologies, I2CT-April, 2014, Pune, India	I. R. Rao and K.N. Shubhanga
2	Implementation of a RTAI-Linux-Based PLL and Firing Pulse Generation for a Laboratory TCSC	The IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)-2014, IIT Bombay, India, December 16-19	Ritty Raju and Shubhanga K.N
3	Rotor Speed Instability Analysis of Type-1 Wind Turbine Generator	The IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)-2014, IIT Bombay,	A G Priyanka and Shubhanga K.N

		India, December 16-19	
4	Laboratory Implementation of a Thyristor Controlled Series Capacitor	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015, (IEEE SPICES 2015), 19 th - 21 st February 2015 at National Institute of Technology (NIT) Calicut, Kozhikode, Kerala, India	Ritty Raju and Shubhanga K.N
5	Rotor Stability Performances of a Grid Connected Type-1 Wind Turbine Generator'	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015, (IEEE SPICES 2015), 19 th - 21 st February 2015 at National Institute of Technology (NIT) Calicut, Kozhikode, Kerala, India	A G Priyanka and Shubhanga K.N
6	Performance Analysis of LTE Protocol for EV to EV Communication in Vehicle-to-Grid (V2G)	IEEE Canadian Conference on Electrical and Computer Engineering, Nova Scotia, Canada, 2015.	Santoshkumar, Udaykumar R.Y
7	Development of WSN System for Precision Agriculture	IEEE International Conference on Innovations in Information Embedded and Communication Systems, Coimbatore, India.	Santoshkumar, Udaykumar R.Y
8	Performance Study of Secondary Distribution Feeder for Phase Balancing at each Candidate Node	IEEE International Conference on Innovations in Information Embedded and Communication Systems, Coimbatore, India.	Swapna M, Udaykumar R.Y
9	Long Term Evolution Protocol for Grid Control Center And Aggregator Communication In V2G for Smart Grid Application	IEEE International Conference on Computational Intelligence and Computing Research	Santoshkumar, Udaykumar R.Y
10	On-Board Vehicle-to-Grid (V2G) integrator for Power Transaction in Smart Grid Environment	IEEE International Conference on Computational Intelligence and Computing Research	Nagarjuna Koduri, Santoshkumar, Udaykumar R.Y
11	Performance Investigation of Mobile WiMAX Protocol for Aggregator and Electrical Vehicle Communication in Vehicle-to-Grid (V2G)	IEEE Canadian Conference on Electrical and Computer Engineering, Nova Scotia, Canada	Santoshkumar, Udaykumar R.Y

12	A comparison of seven-level inverter topologies for multilevel DC-AC power conversion	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), 2014.	Prachi Salodkar, N. Sandeep, P.S. Kulkarni, Udaykumar R. Y
13	Inrush Current Associated with back to back Switching in a capacitor bank: Experimental investigations.	8th International conference on capacitors, November 22-23rd 2014, New Delhi, paper no 3, page no 116.	Ms. Meghana Ramesh, Dr. H. N. Nagmani, Mr. V. Vaidhyanathan, Dr. G. S. Punekar
14	On-line acoustic emission technique for monitoring relative performance for partial discharges from 400kV hydro generator transformers-case studies.	International Conference on High Voltage Engineering and Technology (ICHVET-2015)- January 29-30, 2015, Hyderabad, pp. 15-22, Paper No.05.	Bhavani Shanker T, Punekar G. S, Nagamani H. N
15	Post Fault Analysis of a Large Induction Motor: A Case Study	International Conference on High Voltage Engineering and Technology (ICHVET-2015)- January 29-30, 2015, Hyderabad, pp. 184-188, paper No.38.	Dr G S Punekar, Mr Prasannajit Sahoo
16	Modeling and performance study of grid connected wind and photovoltaic hybrid energy system	2 nd international conference on advanced trends in engineering and technology (ICATET 2014) on 18-19th April 2014 at ACEIT, Arya old campus, Jaipur	Vinatha U, Gururaj MV
17	Performance Analysis of Boost Converter with Linear & Non-Linear Control Strategies"	International Conference on Computing, Communication and Energy Systems ICCCES '14.	Vinatha U, Santhosh B
18	Fuzzy controller based interface for a hybrid Renewable Energy Source at distribution level with power quality improvements	IEEE international conference on Futuristic trends in computational analysis and knowledge management (ABLAZE-2015), Amity University Greater Noida, 25-27 Feb 2015	Gururaj M V, Dr Vinatha U
19	Integrated full-bridge buck dc-dc converter topologies for three-phase ac mains fed SMPS	IEEE Conf. EESCO, 2015, Visakhapatnam, Andhra Pradesh	Saravana Prakash P and Dr.R.Kalpana
20	High Efficiency Improved 12kW Switched Mode Telecom Rectifier	IEEE PEDS Conf. 2015, Sydney, Australia	Dr. R.Kalpana and Saravana Prakash
21	Configurations of Modular Push-Pull Buck DC-DC converters for 12kW Telecom SMPS and its Design	Int. Conf. On Modeling and Simulation (ICMS) 2015, Sastra University, Tamil Nadu	Saravana Prakash P and Dr.R.Kalpana
22	Power Management of hybrid fuel cell and microturbine based	IEEE International Conference On Renewable Energy Research And Applications (ICRERA-2014),	S. K. Nayak and D N Gaonkar

	distributed generation in grid connected mode of operation	Milwaukee, USA. 2014.	
23	Performance study of roof top wind solar microgrid system in isolated mode of operation	IEEE Power Electronics, Drives and Energy Systems (PEDES), IIT Bombay, India, December 16-19	DN Gaonkar, NS Jayalakshmi, P Raghvendra
24	Coordination control of microgrid	9th International Conference on Industrial and Information Systems (ICIIS), Gwalior, India 2014	D Chethan Raj, D.N. Gaonkar
25	Backstepping Sliding Mode Control for Variable Speed Wind Turbine	INDICON 2014, Pune, 11 th to 13 th Dec 2014.	Saravanakumar R, Debashisha Jena
26	Optimal GA Based SMC with Adaptive PID Sliding surface for robot manipulator	ICIIS 2014 at IITM Gwalior, 15 th -17 th December 2014.	M Vijay and Debashisha Jena
27	Optimal Backstepping Sliding mode Control for Robot Manipulator	IEEE SPICES 2015 at NIT Calicut, 18 th -21 st February 2015	M Vijay and Debashisha Jena

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Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	"Corporate performance appraisal of healthcare organisations : A strategic analysis",	Second International Conference on Business Analytics and Intelligence(ICBAI), Indian Institute of Science , Bangalore , 18-20 December 2014.	D'Souza Sunil , Sequeira A.H., and Jane Banaszak-Holl
2.	"Conceptualizing Research-An Overview",	International conference on Power of the past-Force for the Future, organized by Fr. Muller	Sequeira A. H.,
3.	Leveraging Lakme	The Case Centre (Cranfield University , UK) Anniversary Case Conference at IIM Bangalore on	V K Ranjith & Bijuna C Mohan
4.	Private label brand: A study on relationship between store image , brand association and	International conference on evidence based management, BITS, Pilani, March 20-21 2015 39-43	Chandra Kumar & Bijuna C Mohan
5.	Corporate Performance Appraisal of Healthcare Organizations: A Strategic Analysis.	International Conference on Business Analytics and Intelligence, 18-20, December, 2014 at IISC Bangalore.	Sunil D'Souza & A.H Sequeira
6.	A Review of Preventive Health Information Seeking Behavior of Common People in eloping Countries.	MARCON 2014, Indian Institute of Management Calcutta , December 18-20, 2014.	Muhammed Sudheer KM & Sunil D'Souza

7.	Medical Tourism and Market feasibility in emerging economy	Twelfth AIMS International Conference on Management at Indian Institute of Management Kozhikode, January 2-5, 2015. ISBN: 978-81-92-47-13-8-9.	Muhammed Sudheer KM & Sunil D'Souza
8.	Role of Gamification in Education	1 st International Conference on Emerging Management Practices (ICEPM-2015), G.Pullaiah College of Engineering & Technology, Kurnool – Andhra Pradesh, 21 st February 2015. Page Numbers-	S. Pavan Kumar
9.	Assessing the Relationship between Participation in Decision Making, Job Satisfaction and Multiple	International Conference on Contemporary Trends in Managing Modern Workforce February-2015, Symbiosis Centre	Shilpi Saha & S. Pavan Kumar
10.	Impact of Engineering Faculty Participation in Decision Making and Commitment on Organizational Citizenship Behaviour	International Conference on Transformations in Engineering Education (ICTIEE-2015), BMSCE Bangalore, January 6-8, 2015. CD Proceedings.	S. Pavan Kumar & Vijai Nath Giri
11	Impact of Participation in Decision Making on Job Satisfaction, Group Learning and Group Commitment	International Conference on Business Paradigms in Emerging Markets (ICBPEM, Dec-2014), organizing by National Institute of Technology Rourkela (NITR).	Shilpi Saha & S. Pavan Kumar
12.	Analysing the Impact of Participation in Decision Making on Quality of Work Life and Multiple Commitments	IMR Doctoral Conference, December 2014, Indian Institute of Management Bangalore (IIMB).	Shilpi Saha & S. Pavan Kumar
13.	Effects of Energy Price Rise on Investment- Firm Level Evidence from Indian Manufacturing Sector	11 th International Conference on Business and Finance (ICBF). Organised by IBS Hyderabad during January 8- 9, 2015.	Rajesh Acharya H and Anver Sadath C
14.	"Analysis of Dynamic Inter-relationship of Gold, Bond and Stock through the lens of Conventional Wisdom: An Indian perspective."	International Conference on Frontiers of Infrastructure Finance, IIT Kharagpur, November 13-15.	Jaiswal, R. and Uchil, R. (2014).
15.	"An Empirical Investigation of Inter-relationship in Gold, Silver, Bond and Stock from the lens of Conventional Wisdom: An Indian perspective."	India International Bullion Summit, IBSA Mumbai, October 4 -5.	Jaiswal, R. and Uchil, R. (2014).

16.	Women Entrepreneurship And Sustainability Through Tourism: A Study With Reference To Kudumbashree Mission In Kerala.	International Conference on Business Paradigms in Emerging Markets – ICBPEM – 2014, 12-13 Dec 2014, NIT Rourkela (paper accepted for publication in Special Volume of Springer publications)	Sheena
17.	Employee Engagement: A literature Review.	International Conference on Contemporary Trends in Managing Modern Workforce by Symbiosis Centre for Management and Human Resource Development (SCMHRD), Pune , 27 and 28th Feb,2015 ((paper accepted for publication in Special Volume of Opus Journal)	Sheena
18.	A Study of the Brand Building institutions in Karnataka : Impact of Performance as the 8 th P in the Services Marketing Mix	Conference on emerging trends in business, (CETB- 2014) organized by dept of Management Studies, Christ University, Bangalore,11 th Dec 2014.	Sheena
19.	"Orchids in the wild": An investigation into entrepreneurial education and tourism development among women SHGs	ICIER – IIMB International Conference on Entrepreneurship Education and Training , IIM Bangalore, 29-31 January 2015 (Received best paper award and accepted for publication in Springer publications)	Sheena

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Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	An Approach for Multimedia Information Retrieval Based on Harmonized Representation of Multimedia	8th International Conference on Data Mining and Warehousing (ICDMW-2014), 25th - 27th, July 2014, UVCE, Bangalore.	Pushpalatha K Ananthanarayana V.S
2	Energy-aware Task Scheduling in Cloud	2nd International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) 2014, 1st - 2nd August, NMAMIT, Bangalore.	Linda J Ananthanarayana V.S
3	Virtual Machine Migration over Heterogeneous Native Hypervisors	2nd International Conference on Emerging Research in Computing, Information, Communication and Applications	Pratik Falke Ananthanarayana V.S

		(ERCICA) 2014, 1st - 2nd August, NMAMIT, Bangalore.	
4	Detection and Classification of Object.	2nd International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) 2014, 1st - 2nd August, NMAMIT, Bangalore.	Sulochan Naik Ananthanarayana V.S
5	An Improved Association Rule Mining for Distributed System with Load Balancing	2nd International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) 2014, 1st - 2nd August, NMAMIT, Bangalore.	Alok Kumar Ananthanarayana V.S
6	Similarity Analysis of Service Descriptions for Efficient Web Service Discovery	International Conference on Data Science and Advanced Analytics (DSAA 2014), Oct 30 – Nov 1, 2014, Shanghai, China.	Sowmya Kamath S Ananthanarayana V.S
7	A Service Crawler Framework for Similarity based Web Service Discovery	11 th IEEE India Conference on Emerging Trends and Innovation in Technology, INDICON 2014, 11-13 December 2014, Pune	Sowmya Kamath S Ananthanarayana V.S
8	Semantic Similarity based Dynamic Clustering Algorithm for Domain-specific Web Service Discovery	International Conference on Information and Communication Technologies (ICICT 2014), Dec 3-5, 2014, Kochi.	Sowmya Kamath S Ananthanarayana V.S
9	An Unified Approach for Multimedia Document Representation and Document Similarity	17 th IEEE International Conference on Computational Science and Engineering (CSE 2014) Chengdu, China, December 19 th -21 st , 2014	Pushpalatha K Ananthanarayana V S
10	An Information Theoretic Similarity Measure for Unified Multimedia Document Retrieval	7 th international Conference on Information and Automation for Sustainability, Colombo, Srilanka, December 22 nd -24 th , 2014	Pushpalatha K Ananthanarayana V S
11	Novel Energy Efficient Virtual Machine Allocation at Data Center Using Genetic Algorithm	IEEE 3rd International Conference on Signal Processing, Communications and Nw (ICSCN-2015), March 26-28, 2015, Anna University, Chennai, India	Neeraj Kumar Sharma G Ram Mohana Reddy
12	NLP Based Sentiment Analysis on Twitter Data Using Ensemble Classifiers	IEEE 3rd International Conference on Signal Processing, Communications and Nw (ICSCN-2015), March 26-28, 2015, Anna University, Chennai, India	Monisha Kanakaraj G Ram Mohana Reddy
13	Effect of Software Aging	IEEE 9th Int. Conf. on Intelligent	Biju R Mohan

	on Power Usage	Systems & Control (ISCO-2015), Jan. 9-10, 2015, Coimbatore, India	G Ram Mohana Reddy
14	Analysis of Free Physical Memory in Server Virtualized System	IEEE 9th Int. Conf. on Intelligent Systems & Control (ISCO-2015), January 9-10, 2015, Coimbatore, India	Biju R Mohan G Ram Mohana Reddy
15	Novel Energy Efficient Resources Allocation Using Combined Approach of DVFS and Genetic Algorithm	IEEE Int. Conf. on Cloud Computing and Internet of Things (CCIoT-2014), Dec. 13-14, 2014, Changchun, China.	Neeraj Kumar Sharma G Ram Mohana Reddy
16	Human Behavior Analysis Using Multimodal Emotion Recognition	IEEE 2014 Int. Conf. on Data Science & Advanced Analytics (DSAA-2014), Oct. 30 - Nov. 1, 2014, Shanghai, China	Prashant Jha G Ram Mohana Reddy
17	A Novel Segmentation-Based Algorithm for Stereo Depth Extraction Using Sparse Disparity Estimates	IEEE 12th Int. Conference on Signal Processing (ICSP-2014), October 19-23, 2014, HangZhou, China	Subhayan Mukherjee G Ram Mohana Reddy
18	A Novel Bio-Inspired Load Balancing of Virtual Machines in Cloud Environment	IEEE 3rd Int. Conf. on Cloud Computing for Emerging Markets (CEEM 2014), October 15-17, 2014, Bangalore, India	Ashwin T Dixit Shridhar Domanal G Ram Mohana Reddy
19	Multiclass SVM Based Language Independent Emotion Recognition Using Selective Speech Features	IEEE 3rd Int. Conf. on Advances in Computing, Commns & Informatics (ICACCI-2014), Sept. 24-27, 2014, New Delhi, India.	Amol Kokane G Ram Mohana Reddy
20	Modified MapReduce Framework for Enhancing Performance of Graph Based Algorithms by Fast Convergence in Distributed Environment	IEEE 3rd Int. Conf. on Adv. in Computing, Commn. & Informatics (ICACCI-2014), Sept. 24-27, 2014, New Delhi, India	Hitesh Singhal G Ram Mohana Reddy
21	GPU Accelerated Inexact Matching for Multiple Patterns in DNA Sequences	IEEE 3rd Int. Conf. on Adv. in Computing, Commn. & Informatics (ICACCI-2014), Sept. 24-27, 2014, New Delhi, India	Priyank Rastogi G Ram Mohana Reddy
22	An Android GPS-Based Navigation Application For Blind	ACM 7th Int. Symposium on Visual Information Communication and Interaction (VINCI-2014), Aug. 5-8, 2014, Sydney, Australia.	Nisha K.K, Pruthvi H.R, Shwetha N H, Ashwin T S G Ram Mohana Reddy
23	Vision Based Laser Controlled Keyboard System for the Disabled	ACM 7th Int. Symposium on Visual Information Communication and Interaction (VINCI-2014), Aug. 5-8, 2014, Sydney, Australia.	Aarti Prabhu, Deeksha SD, Hiba Ahsan, Shridhar D, G Ram Mohana Reddy

24	Ember: A Smartphone Web Browser Interface for Blind	ACM 7th Int. Symposium on Visual Information Communication and Interaction (VINCI-2014), Aug. 5-8, 2014, Sydney, Australia.	Isha Jassi, Ruchika S, Susmitha P, Subhayan Mukherjee, Ashwin T S G Ram Mohan Reddy
25	A Hybrid Algorithm for Disparity Calculation from Sparse Disparity Estimates Based on Stereo Vision	IEEE 10th Int. Conf. on Signal Processing & Commns. (SPCOM 2014), July 22-25, 2014, IISc, B'lore, India.	Subhayan Mukherjee G Ram Mohana Reddy
26	A GPU Framework for Sparse Matrix Vector Multiplication	IEEE 11th Int. Sympo. on Parallel and Distributed Computing (ISPDC 2014), June 24-27, 2014, Aix-Marseille Univ., Porquerolles Island, France.	B. Neelima, G. Ram Mohana Reddy Prakash S. Raghavendra
27	Using Sparse Matrix Features, Format Transformation and Communication Time to Predict an Optimal Sparse Format for SpMV Computation on GPU	Int. Workshop on MultiThreaded Architectures & Applications (MTAAP-2014) held with 28th IEEE Int. Parallel and Distributed Processing Symposium (IPDPS 2014), May 19-23, 2014, Phoenix, Arizona, USA.	B. Neelima, G. Ram Mohana Reddy Prakash S. Raghavendra
28	A Real Time Facial Emotion Recognition Using Depth Sensor And Interfacing With Second Life Based Virtual 3D Avatar	IEEE Int. Conf. on Recent Adv. & Innovations in Engg. (ICRAIE-2014), May 9-11, 2014, Jaipur, India	Mounika Kakarla G Ram Mohana Reddy
29	Effective E-learning Using 3D Virtual Tutors/WebRTC Based Multimedia Chat	IEEE 4th Int. Conf. on Recent Trends in Information Tech (ICRTIT 2014), April 10-12, 2014, Anna Univ., Chennai, India.	Amol Kokane, Hitesh Singhal, Subhayan Mukherjee, G Ram Mohana Reddy
30	Identification of Parameters for Trust Management in Wireless Sensor Networks	Eighth International Conference on Communication Networks (ICCN 2014), , 26 th -27 th July 2014, pp. 154-161.	Geetha V K Chandrasekaran
31	MRPLA: Multi-hop Routing Protocol for Large Area Wireless Sensor Networks	Eighth International Conference on Communication Networks (ICCN 2014), published by Elsevier, 26 th -27 th July 2014.	Anupama Sikchi Geetha V
32	Wireless Sensor Network Simulator for Routing Protocols	Eighth International Conference on Communication Networks (ICCN 2014), published by Elsevier, 26 th -27 th July 2014.	Adarsh D K Froila D Souza Chandrakanth U Prajwal R Prasad Geetha V

33	SQL Injection Detection using Machine Learning	International Conference on Control, Instrumentation, Communication, & Computational Technologies (ICCCICT-2014), published by IEEE digital library, 10 th -11 th July 2014.	Anamika Joshi Geetha V
34	Trace Time Delay Between Base Station and Service Stations in Different Scenarios of WiMAX Networks: Using NS3	Second International Conference on Emerging Research in Computing, Information, Communication and Applications, will be published by Elsevier, 1 st -2 nd August 2014.	Shashank P Geetha V
35	Trust Based Centralized Low Energy Adaptive Clustering Hierarchy (LEACH-C) for Wireless sensor Network	Second International Conference on Emerging Research in Computing, Information, Communication and Applications, 1 st – 2 nd August 2014, pp. 468-474.	Geetha V K Chandrasekaran Shridhar Sanshi Anupama Sikchi
36	A prototype of an Intelligent Search Engine using Machine Learning based Training for Learning to Rank	Second International Conference on Advanced Computing, Networking, and Informatics [ICACNI-2014] 24 - 26 June 2014 St. Thomas' College of Engineering and Technology Kolkata, India	Shrimai Prabhumoye, Piyush Rai, Pranay Khattri, Love Rose Singh S Sowmya Kamath S
37	Connaissance - An Intergration of Web-based Virtual Learning Environments and 3D Virtual Worlds	International Conference on Communication and Computing (ICC-2014) June 12th - 14th, 2014, Bangalore.	Adarsh Kyadige, Froila Hency D'Souza, Sowmya Kamath S
38	Automated Query Analysis Techniques for Semantics based Question Answering System	Fourth International Conference on Recent Trends in Information Technology (ICRTIT 2014) by Madras Institute of Technology, Anna University, Chennai during April 10th – 12th, 2014	Shrimai Prabhumoye, Piyush Rai, Love Rose Singh S, Priya L, Sowmya Kamath S
39	Comparative Evaluation of Vertex Cover Computation Algorithms for Varied Graphs	IEEE Third International Conference on Communication and Signal Processing (ICCSP'13) Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu, India, held during 3rd – 5th April 2014.	Smit B Patel, Sowmya Kamath S
40	Real-Time Multiplayer Gaming Network Platform as a Service	Eight International Multi Conference on Information Processing (IMCIP-2014) July 25th – 27th, 2014 at Hotel	Suresh Also, Amogh Reddy, Ankita Sakhare, Prem Sameer,

		Capitol, Bangalore, India.	Sowmya Kamath S
41	An Hybrid Bio-inspired Task Scheduling Algorithm in Cloud Environment	Fifth International Conference on Computing, Communications and Networking Technologies (ICCCNT), organized by Hefei University of Technology in Hefei, Anhui, China, during July 11-13, 2014. (IEEE Proceedings)	Rakesh Madivi, Sowmya Kamath S
42	Improved Approximation Algorithm for Vertex Cover Problem using Articulation Points	Fifth International Conference on Computing, Communications and Networking Technologies (ICCCNT) Hefei University of Technology in Hefei, Anhui, China, during July 11-13, 2014.	Smit B Patel Sowmya Kamath S
43	Interactive Visualization of User Data from Multiple Social Networks	Eight International Multi Conference on Information Processing (IMCIP-2014) July 25th – 27th, 2014 at Hotel Capitol, Bangalore, India.	Neha Bajaj Sowmya Kamath S
44	Knowledge Based Question Answering System Using Natural Language Understanding Techniques	Eighth International Conference on Data Mining and Warehousing (ICDMW 2014) July 25th – 27th, 2014 at Hotel Capitol, Bangalore, India.	Arundhati B, Bhavana R, Mrinialini K V, Shruthi M, Sowmya Kamath S
45	Change Propagation based Incremental Data Handling in a Web Service Discovery Framework	14th IEEE International Symposium on Signal Processing and Information Technology (IEEE ISSPIT 2014) 15th - 17th December 2014 at Noida, New Delhi, India	Sowmya Kamath S Ananthanarayana V.S
46	Intelligent News Search Engine based on Information Extractions from e-Newspapers	2014 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) 18 - 20 Dec, 2014 (Best paper award)	Monisha K Sowmya Kamath S
47	Automatic Generation of Web Service Composition Templates using WSDL descriptions	Second International Conference on Information Systems Design and Intelligent Applications (INDIA 2015) Jan8-9, 2015	Sowmya Kamath S Suresh Alse Prajwal Prasad Abhay Chennagiri
48	Secure Music Sharing with Improved Potato System Using Cryptographic Techniques	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (IEEE SPICES 2015) Feb 19- 21st 2015	Gaurav Yadav Sowmya Kamath S
49	Performance Analysis of Process Driven and Event Driven Web Servers	9th International conference on Intelligent systems and Control (ISCO'15) January 9 -10, 2015	Prakash P Biju R Mohan Sowmya Kamath
50	Data Migration between OpenStack based Cloud	International Conference on Convergence Technology 2014,	G. Eswaraiah Jaidhar CD

	Storage Systems	organized by the IEEE Advancing Technology For Humanity from 5th April to the 7th April 2014, Pune, India 27	
51	Soft Computing Based Hybrid Disease Prediction Method	8th International Conference on Data Mining and Warehousing (ICDMW-2014), July25-27,2014	Anirudha R.C, Remya Kannan, Nagamma Patil
52	SVD based content based image retrieval System	International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2014, 01-02 Aug 2014 Nitte Bangalore. Elsevier Publications	Ankur Singh, Dinesh Naik
53	Rankings of images based on content based image retrieval	International Conference on Control, Instrumentation, Communication & Computational Technologies ICCICCT-2014 10th and 11th July 2014 At NIU Chennai. IEEE Explore Publications	Rajanna bandaru, Dinesh Naik
54	Anomaly based intrusion detection of packets dropping attacks in MANETS	International Conference on Control, Instrumentation, Communication & Computational Technologies ICCICCT-2014 10th and 11th July 2014 At NIU Chennai. IEEE Explore Publications	Uyyala Shivani, Dinesh Naik
55	Secure optimal routing protocol in MANETS	International Conference on Control, Instrumentation, Communication & Computational Technologies ICCICCT-2014 10th and 11th July 2014 At NIU Chennai. IEEE Explore Publications	M Bhuvaneshwari, Dinesh Naik
56	Content based video retrieval using text in video	International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2014, 01-02 Aug 2014 Nitte Bangalore Elsevier Publications	Peeyush kumar, Dinesh Naik
57	Behavioural analysis and visualization of options data	Proceedings of 5th SARC-IRF International Conference, 25th May-2014, New Delhi, India, ISBN: 978-93-84209-21-6	Hari Teja, Kratika Gupta, Pranay khattri, Saarthak Chandra, Shweta shrivastava, DineshNaik

Department of Mathematical And Computational Sciences

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Weaknesses of a Dynamic ID Based Remote User Authentication Protocol for Multi-Server Environment	Proceedings of Conference on Information Security (CIS 2014) , Suzhou, China, March 10-12. (pages 196-200 of proceedings published in August 2014)	R. Madhusudhan and A. Praveen
2	Radio Numbers of Some Caterpillars	International Workshop on Graph Labelings (IWOGL) 2014, January 3-6, 2015, to be published as a special issue of Electronics Notes in Discrete Mathematics.	Srinivasa Rao Kola and Pratima Panigrahi
3	k-Distinct Strong Minimum Energy Topology Problem in Wireless Sensor Networks	International Conference on Distributed Computing and Internet Technology. Springer International Publishing, LNCS Vol. 8956, Feb. 2015. pages 187-192.	BS Panda, D. Pushparaj Shetty, and Arti Pandey
4	A Study of Lemmermeyer's Work Relating Pure Cubic Fields and Elliptic Curves	UGC Sponsored Two Day National Seminar on Number Theory and Its Applications MGM College, Udupi December 12-13, 2014	B. R. Shankar, Manasa K J
5	Chaotic Dynamical Systems from Extension of p-adic Numbers.	23 rd International Conference on Interdisciplinary Mathematical, Statistical and Computational Techniques , IMSCT 2014 Surathkal, India, December 18-20, 2014	B. R. Shankar, Chetana U V
6	Pure Cubic Fields and Elliptic Curves.	23 rd International Conference on Interdisciplinary Mathematical, Statistical and Computational Techniques , IMSCT 2014 Surathkal, India , December 18-20, 2014	B. R. Shankar, Manasa K J
7	Core Variation in the Entrance Region Flow of Herschel-Bulkley Fluid in an Annuli	Proceedings of the World Congress on Engineering, (2nd - 4th of July, 2014) London, U.K. (2014).	Rekha G.Pai and A.Kandasamy
8	An efficient estimator of reliability for exponential class software reliability models	3rd International Conference on Software and Information Engineering (ICSIE 2014), Singapore, May 2014.	Murulidhar N. N. and B. Roopashri Tantri
9	Analysis of systems subject	Proc. of 20th ISSAT	Murulidhar N. N

	to on – line preventive maintenance	International Conference on Reliability and Quality in Design (RQD 2014), Seattle, Washington, USA, August 2014.	
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Department of Mechanical Engineering

Sl. No	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Heat transfer distribution of three interacting methane-air premixed flame jets",	FMFP 2014, IIT Kanpur 2014, Dec 12-15th	V. Hinasageri, R. P. Vedula and S. V Prabhu
2.	Heat transfer distribution of swirling premixed flame jets impinging on a flat plate using twisted tapes	FMFP 2014, IIT Kanpur 2014, Dec 12-15th	V. Hinasageri, R. P. Vedula and S. V Prabhu
3.	Effect of geometry on heat transfer in microchannels for microsystem cooling	4th International Engineering Symposium – IES 2015, March 4-6, 2015, Kumamoto University, Japan.	Udhav U Gawandalkar, Girish A Kini and Arun. M
4.	Conjugate heat transfer analysis of hexagonal shaped microchannel as an application for chip cooling	5th International and 41st National Conference on Fluid Mechanics and Fluid Power, 12 – 14 December 2014, IIT Kanpur, 2014.	Srikanth, Arun. M, Prasad Krishna
5.	Multi-response optimization of WEDM process using Hybrid approach while machining Inconel 625	Int. Conf. on Industrial, Mechanical and Production Engineering: Advancements and Current Trends, 55-61, MANIT, Bhopal, India, November 27-29, 2014.	Priyaranjan Sharma, D. Chakradhar, Narendranath S
6.	Optimization of WEDM performance characteristics while machining Inconel 600 Superalloy	Conference on Advances in Light Metals and its Composites, SRM University, Chennai, India, 6-7 December. (Poster Presentation)	Priyaranjan Sharma, D. Chakradhar, Narendranath S
7.	Microstructural Characterization and Hardness Evaluation of Friction Stir Welded AA6061/SiC/Fly-Ash Hybrid MMCs	Conference on Advances in Light Metals and its Composites, SRM University, Chennai, India, 6-7 December. (Poster Presentation)	Sachinkumar, Narendranath S, Chakradhar D
8.	An Experimental Investigation of Hot Machining Performance Parameters using Oxy-Acetylene gas setup	5th International & 26th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014) December 12th–14th, 2014, IIT Guwahati, Assam,	Venkatesh Ganta, D. Chakradhar

		India, Pages 370 (1-6).	
9.	Parametric optimization in hot turning of Inconel 718 alloy using Taguchi method	4th INTERNATIONAL ENGINEERING SYMPOSIUM (IES 2015), Kumamoto University, Japan, March 2015.	Venkatesh Ganta, D. Chakradhar
10.	Microstructural Characterization and Hardness Evaluation of Friction Stir Welded AA6061/SiC/FA MMC's	International conference on advances in materials, manufacturing and applications (AMMA 2015), NIT Tiruchirapalli, Tamil Nadu, April 9 -11.	Sachinkumar , Narendranath S , Chakradhar D
11.	Parametric Optimization of dry turning of duplex stainless steel by Taguchi Method	International conference on advances in materials, manufacturing and applications (AMMA 2015), NIT Tiruchirapalli, Tamil Nadu, April 9 -11.	Yashas K, Adithya U Baliga M, Venkatesh Ganta and D. Chakradhar
12.	Gear fault detection using vibration analysis and continuous wavelet transform	ICAMME-2014, held at National Institute of Technology, Karnataka, March 27-29, 2014	Kiran Vernekar, Hemantha Kumar, K.V.Gangadharan
13.	Experimental investigation of effect of ingredient particle size on dynamic damping of RTV Silicone base Magnetorheological elastomers	ICAMME-2014, held at National Institute of Technology, Karnataka, March 27-29, 2014	Sriharsha Hegde, Umanath R Poojary, K.V Gangadharan
14.	Experimental study of damping characteristics of air, silicon oil, Magneto rheological fluid on twin tube damper	ICAMME-2014, held at National Institute of Technology, Karnataka, March 27-29, 2014	Avinasha B, Shyam Sundar S, K V Gangadharan
15.	Vibration Control of Smart Cantilever Beam Using Strain Rate Feedback	ICAMME-2014, held at National Institute of Technology, Karnataka, March 27-29, 2014	Riessom W., Prakash Rao, Prasad Krishina, K.V. Gangadharan
16.	Functionally Graded Composite Materials: An Overview	ICAMME-2014, held at National Institute of Technology, Karnataka, March 27-29, 2014	Gururaja Udupal, S.Shrikantha rao, K.V.Gangadharan
17.	Design and implementation of Remote Mechatronics Laboratory for e-Learning using LabVIEW and Smartphone and Cross-Platform Communication Toolkit (SCCT)	2nd International Conference on Innovations in Automation and Mechatronics Engineering 2014 ,G H Patel College of Engineering & Technology, Vallabh Vidyanagar 388120, Gujarat-India on 7th, 8th march 2014	Poorna chandra B R, Geevarghese K P, K V Gangadharan
18.	Comparative Study on MSMA Actuation under Electromagnetic and	First International Conference on Mechanical Engineering: Emerging Trends for	Neearaj. D. Darwai, .M. Murigendrappa, K.V. Gangadharan

	biased-Magnetic Fields	Sustainability, organized by MANIT, Bhopal during 29-31, January 2014 {won the Best paper award }	
19.	Implementation of Real Time Condition Monitoring of a Single Degree Freedom System Using Skyhook Control	Proceedings of international conference on advances in Engineering and Technology-2014, (ICAET-2014) January 8th -9th 2014, Nagpur, Maharastra	Harisha S R, Subramanya R Prabhu B, K V Gangadharan
20.	Design, Synthesis and fabrication of Magneto Rheological Fluid Damper for low Frequency Application	Proceedings of international conference on advances in Engineering and Technology-2014, (ICAET-2014) January 8th -9th 2014, Nagpur, Maharastra	Subramanya R Prabhu B, Harisha S R, K V Gangadharan
21.	Design of Virtual Instrumentation approach for A Multi-Purpose online Mechanical Vibration Experiment Using Labview	Proceedings of international conference on advances in Engineering and Technology-2014, (ICAET-2014) January 8th -9th 2014, Nagpur, Maharastra	Gurumurthy B M, Harisha.S.R, Subramanya R Prabhu B, Dr.K.V.Gangadharan
22.	Effects of Wet Compression on the Flow Behavior of a Centrifugal Compressor: A CFD Analysis	ASME Turbo Expo 2014, June 16 - 20, 2014, Dusseldorf, Germany.	Anish Surendran, Heuy-Dong Kim,
23.	A numerical investigation on the physical mechanism behind the temperature separation phenomena in a vortex tube	5th international and 41st national conference on Fluid Mechanics and Fluid Power (FMFP) 2014, Dec. 12-14, 2014, IIT Kanpur	Anish S
24.	Parameter Estimation Using Heat Transfer Models With Experimental Data Using A Combined ANN-Bayesian Approach	Proceedings of the 15th International Heat Transfer Conference, IHTC-15, August 10-15, Kyoto, Japan	Gnanasekaran, N., Nithin., Balaji, C
25.	Estimation of Heat Flux Under Natural Convection Laminar Flow	5th International and 41st National Conference on Fluid Mechanics and Fluid Power, FMFP 2014, IIT Kanpur	Srinivasa Sagar, N., Gnanasekaran
26.	Hybrid Monte Carlo Approach for Estimation of Heat Flux From Perturbed Temperature Data	23rd International Conference on Interdisciplinary Mathematical, Statistical and Computational Technique, IMSCT 2014-FIMXXIII, NITK.	Harsha Kumar, Sharath Kumar, Srinivasa Sagar, N., Gnanasekaran, N
27.	Asymptotic Computational Fluid Dynamics (ACFD) - A Novel Approach as	23rd International Conference on Interdisciplinary Mathematical, Statistical and	Sharath Kumar, Harsha Kumar, Srinivasa Sagar, N., Gnanasekaran, N

	Forward Model for Estimation of Volumetric Heat Generation Using Surrogated Data	Computational Technique, IMSCT 2014-FIMXXIII, NITK.	
28.	Synergistic Approach for the Simultaneous Estimation of Heat Transfer Coefficient and Heat Flux Using Fin from Steady State Heat Transfer Experiments	6th International Symposium on Advances in Computational Heat Transfer, CHT-15, Rutgers University, U.S	Harsha Kumar, Sharath Kumar, Srinivasa Sagar, N., Gnanasekaran, N
29.	Hybrid Monte Carlo Technique for Simultaneous Estimation of Volumetric Heat Generation and Convective Heat Transfer Coefficient Using Steady State Experiments	Inverse Problems Symposium, Michigan State University, U.S	Gnanasekaran, N., Sharath Kumar, 2015
30.	A novel method to estimate convective heat transfer coefficient and emissivity from a lumped system using transient experiments	Tenth National Conference on OPTIMIZATION TECHNIQUES IN ENGINEERING SCIENCES AND TECHNOLOGIES (OPTTEST 2015), 10-11 April, 2015	Pallav Pattnaik, Subham Burnwal and Gnanasekaran N
31.	Influence of operating parameters on the battery module	5th international and 41st national conference on Fluid Mechanics and Fluid Power (FMFP) 2014, Dec. 12-14, 2014, IIT Kanpur	Suhas B.G and A.Sathyabhama
32.	Solid State Amorphization of Mg-Zn-Ca System Studied Through Planetary Ball Milling	International conference on advances in materials, manufacturing and applications (AMMA 2015), NIT Tiruchirapalli, Tamil Nadu, April 9 -11.	Bhaskar M, Ramesh M.R., Srikanth Bontha, Krishna M., and Vamsi Krishna Balla
33.	Improving Hot Corrosion Resistance of Cobalt Based Superalloys Using HVOF Sprayed Oxide Alloy Powder Coating,	Proceedings of International Symposium for Research Scholars on Metallurgy, Materials Science and Engineering, Department of Metallurgical and Materials Engineering, Indian Institute of Technology Madras, p24-30, 2014	Jegadeeswaran N, Ramesh M.R, Udaya Bhat K
34.	Experimental study of process variables on the bead geometry through flux cored arc welding	International Conference on Mechanical Engineering, Vijaya Vittala Institute of Technology, Bangalore, 21-23, August 2014	Ramesh Babu N, Ramesh M R, Kiran Aithal S, U N Kempaiah

35.	Hot Corrosion-Erosion Behaviour of HVOF Sprayed NiCrFeSiB Coatings on Boiler Tube Steels	4th International Engineering Symposium, Kumamoto University, Japan, March 4-6, 2015	M.R. Ramesh, S. Prakash, S.K. Nath, Mrityunjay Doddamani
36.	A comparative study of oxidation resistance of Ti-31, HVOF sprayed stellite-6 and fused Al ₂ O ₃ -CoCrAlTaY coated Ti-31 alloy at 800°C	International conference on advances in materials, manufacturing and applications, National Institute of Technology, Tiruchirappalli, April 9-11, 2015	Dharmendra. M, Jegadeeswaran. N, Ramesh. M. R, Udaya Bhat. K,
37.	High temperature oxidation studies of HVOF sprayed WC-CrC-Ni coating on boiler tube steels	International conference on advances in materials, manufacturing and applications, National Institute of Technology, Tiruchirappalli, April 9-11, 2016	B. Somasundaram, Ravikiran Kadoli, M. R. Ramesh
38.	Studies on structure and corrosion characteristics of IS 400/15 ductile iron subjected austempering heat treatment	International conference on advances in materials, manufacturing and applications, National Institute of Technology, Tiruchirappalli, April 9-11, 2017	Siddaraju C , N D Prasanna, M R Ramesh, M K Muralidhara,
39.	Control of geometrically nonlinear vibrations of functionally graded multiferroic composite doubly curved shells	5th International Congress on Computational Mechanics and Simulation, 10-13 December 2014, CSIR-Structural Engineering Research center, Chennai, India.	S. C. Kattimani and M. C. Ray

Department of Mining Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	" System Design Parameters For Energy Security "	International Mining Conference & Exposition, IMEX 2014, LAS VEGAS, NEVADA, U.S.A. (September 23-25, 2014)	Invited Speaker at Conference Dr. M.Govinda Raj
2	Assessment of Surface and Sub-Surface Water Quality at Panandhro Lignite Mines, Gujarat - A Case Study	2 nd International Conference on Earth Sciences and Engineering [ICEE 2015], 20th – 21st March, 2015	R. P. Choudhary, A.S. Sheoran, V. Sheoran and M.R. Rahman

Department of Metallurgical And Materials Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Month & Year	Author(s)
1	Evaluation of Arc Welding Process using Digital Storage Oscilloscope, and High Speed Camera	IIW International Conference (IC 2014), 9-11 April 2014, New Delhi, pp. 498-503	April, 2014	N. Savyasachi, N. Chandrasekar, S. K. Albert, and A. O. Surendranathan
2	Effect of Reflow Time on Wetting Behavior, Interfacial Reaction and Shear Strength of Sn-0.3Ag-0.7Cu Solder/Cu joint	Proceedings of the International Conference on Soldering & Reliability, SMTA, Ontario, Canada, 13-15	May 2014	Mrunali Sona and K.N.Prabhu
3	Copper coatings on steel by friction surfacing	Intl Conf on Friction based materials, ICFP-2014, held at IISc., Bangalore, P 17	Sept 2014	Tarun Kumar Jugare, Jayalakshmi, Arun Augustin, Suma Bhat, Udaya Bhat K
4	Improving hot corrosion resistance of Ti-31 alloys by Thermal Spray Deposition	6 th Asian Thermal Spray conference, held at Hyderabad, pp161-162	Nov 2014	Jegadeeswaran N, Ramesh M R, Udaya Bhat K
5	Improving hot corrosion resistance of Cobalt based superalloys using HVOF sprayed oxide alloy powder coating	6 th Intl Symposium for Research Scholars on Metallurgy, Materials Science and Engineering, IIT Madras, p24	Dec 2014	Jegadeeswaran N, Ramesh M R, Udaya Bhat K
6	Flexible binder free electrode for ultracapacitors	5 th Chemical Nanoscience Symposium, CNSN-5, Newcastle University, UK	March 2015	L S Aravinda., K Udaya Bhat , Jiacheng Wei, Fawad Inam, B Ramachandra Bhat
7	Removal of Pollutants from Engine Exhaust Gas by Supported Nickel Oxide Nanofibrous webs Produced by Sol-gel Electrospinning	<i>International Conference on Polymers and Allied Materials ICPAM-2014</i> , IIT Patna, India	May 2014	G. George, S. Anandhan
8	Interparticle Interactions and Lacunarity of Mechano-Chemically Activated Fly Ash	<i>Two Days-International Seminar on Frontiers of Ceramic and Materials Technology for cement Industries</i> , Indian Ceramic Society, Bangalore Chapter and	November 2014	Akshata G. Patil, S. Anandhan

		Dept. of Ceramic and Cement Technology, PDA College of Engineering, Gulbarga, India		
9	Influence of Polymeric Binders on Structural, Spectral and Magnetic Properties of NiO Nanofibers Obtained by Sol-Gel Electrospinning (Invited paper).	<i>International Conference on 'Advancements in Polymeric Materials APM-2015'</i> , CIPET-Chennai and IISc, Bangalore, India	February 2015.	G. George, S. Anandhan
10	Nanoclay-assisted Electrospinning of Poly(ethylene-co-octene)',	<i>International Conference on 'Advancements in Polymeric Materials APM-2015'</i> , CIPET-Chennai and IISc, Bangalore, India	February 2015.	B.Sachin Kumar, A.N.Prakrthi, S.Anandhan,

Department of Physics

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Electrical studies on n-CdSe/p-ZnTe heterojunctions.	International conference on large area and flexible microelectronics, Bengaluru, 18 th -20 th Dec-2014	Shashidhara , Prof. Kasturi V. Bangera, Prof. G.K.Shivakumar
2.	Effect of Soaking temperature on properties of 50.8wt% BaO-9.3wt% CaO-5.6 wt% Al ₂ O ₃ -7.7 wt% B ₂ O ₃ -26.6 wt% SiO ₂ glass.	The first international Conference on Emerging Materials: Characterization and Application. Dec 4-6, 2014. Kolkata.	Soumalya Bhattacharya, H D Shashikala
3.	Application of Taguchi method for optimization of process parameters of melt-quenching technique for hardness	The first international Conference on Emerging Materials: Characterization and Application. Dec 4-6, 2014. Kolkata.	Manoj Kumar Narayanan, H D Shashikala
4.	Optical absorption and FTIR studies of silver-doped barium phosphate glasses	International Seminar on Glasses and other Functional Materials (isgfm), Dec 11-13, 2014. Guntur.	Manoj Kumar Narayanan, H D Shashikala
5.	The effect of current density on structural, morphological, and optical properties of Porous silicon at the room temperature.	"2nd International Conference on Nanotechnology (ICNT)", February 19-22, 2015. Haldia, West Bengal	Martha Ramesh and H.S. Nagaraja

NATIONAL CONFERENCES

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1.	Solid waste management for the city of Karkala	National Conference on 'New horizons in Civil engineering' (NHCE-2013), MIT, Manipal, 12-13, April, 2013	Vishwanath M, Arkal Vittal Hegde, and M K Nagaraj
2.	Overview of Research on Semicircular Breakwaters	National Conference on 'New horizons in Civil engineering' (NHCE-2013), MIT, Manipal, 12-13, April 2013	Binumol. S, Subba Rao and Arkal Vittal Hegde
3.	Effect of water depth on the performance of computational intelligence models in predicting wave transmission of horizontally interlaced multilayer moored floating pipe breakwater	INCHOE 2014, NIO, Goa, Feb, 2014	S.G. Patil, S. Mandal, and A.V. Hegde
4.	Transmission Performance of Submerged Semicircular Breakwaters for different Radii and Submergence Ratios	INCHOE 2014, Feb., NIO, Goa	A V Hegde and S M Naseeb
5.	Reliability Studies of ANN and PSO-SVM in Predicting the Wave Transmission Coefficient in Horizontally Interlaced Multi-Layered Moored Floating Pipe Breakwater	NCEEM-2013, 18-19 October 2013	A V Hegde, Mandal S, Harish N., Vishnu S Das
6.	Hydraulic performance characteristics studies on emerged quarter circle breakwater	Proceedings of the First Annual Conference on Innovations and Developments in Civil Engineering, ACIDIC-2014, NITK Surathkal, India. pp. 995-1001. 2014	Balakrishna K, Arkal Vittal Hegde and Binumol. S
7.	Vulnerability Assessment of Karnataka Coast	Hydro-2014, MANIT Bhopal, 17-20, December, 2014	Vittal Hegde A, and Akshaya B J.
8.	Experimental studies on berm breakwater with different armour units	Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE 2014) held at CSIR-NIO Goa during 5-7 February, 215-219, (ISSN 0974-5904).	Prashanth Janardhan, B. Subba Rao, C. Kiran G. Shirlal and D. Balakrishna Rao K.,

9.	Genetic Algorithm Tuned Support Vector Machine for Damage Level Prediction of Non-Reshaped Berm Breakwater	Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE 2014) held at CSIR-NIO Goa during 5-7 February, 157-162	Harish, N., Lokesha, Mandal, S., Rao S. and Patil, S.G.
10.	Wave reflection by emerged seaside perforated quarter-circle breakwater	Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE 2014) held at CSIR-NIO Goa during 5-7 February, 626-631, (ISSN 0974-5904).	V.Hafeeda, S. Binumol, A. V Hegde and Subba Rao
11.	Study of The Influence of Berm Width on Wave Run-up and Run-Down With Artificial Armour Units	Proceedings of the "First Annual Conference on Innovations and Developments in Civil engineering, ACIDIC-2014" organised by NITK Surathkal, India from 19 th -20 th May 2014	Sainath Vaidya, Prashanth J, Geetha Kuntoji, Subba Rao
12.	Analysis of the effect of dredging on diaphragm wall type berthing structure	National Conference on Furthering Aspirations in Civil Engineering Techniques (FACET - 14), Department of Civil Engineering, Government College of Engineering Kannur, Kerala, 26-27 June 2014.	Yajnheswaran. B, and Subba Rao
13.	Sustainable management of scared groves of Kodagu district of Karnataka using GIS technology	Proceedings Lake 2014, 13th - 15th Nov 2014	Shushma Shashi.B, Dwarakish G. S., Kiran K.B.
14.	Land Use land Cover Change Detection using RS and GIS: A case study of NMPT Area, Karnataka	Proc. of the First Annual Conference on Innovations and Developments in Civil Engineering, NITK, Surathkal, India, 19-20 May 2014	Nujuma Nazimudhin, Deepthi I Gopinath , P Sri Ram Kumar, Ganasri B P, A Raju and Dwarakish G S
15.	Artificial Neural Networks for the prediction of waves along Dakshina Kannada coast	Proc. of the First Annual Conference on Innovations and Developments in Civil Engineering, NITK, Surathkal, India, 19-20 May 2014	Deepthi I Gopinath , P Sri Ram Kumar, Nujuma Nazimudhin and Dwarakish G S
16.	Neural networks for tidal level prediction at Karwar, west coast of India	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014	G. S. Dwarakish and S. Rakshith
17.	Analysis of Land Use/Land Cover distribution using Remote Sensing and GIS: A Case Study of Mulki River Basin, Karnataka	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014	Ganasri B. P and Dwarakish G. S
18.	A Comparative Analysis of	Proc. <i>Fifth Indian National</i>	Raju. A, Dwarakish G. S

	Histogram Equalization based Contrast Enhancement Techniques for Detection of Shoreline using Satellite Images	<i>Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014	and D. Venkat Reddy
19.	Land use/ Land cover changes around Rameshwaram Island, East coast of India	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014	R.Gowthaman, G. S. Dwarakish and V.Sanilkumar
20.	Study of Coastal Sediment Dynamics and Sand Spit Morphology Around Netravati – Gurpur Rivermouth Through Integrated Approach	Proc. <i>Fifth Indian National Conference on Harbour and Ocean Engineering (INCHOE-14)</i> , NIO, Goa, 5-7 February 2014	G. S. Dwarakish
21.	Wind and wave parameters of Indian ocean region using SAR data	Proc. A compendium of research papers prepared during year 2013, Space applications Centre Ahmedabad, January 2014, pp. E12-1 – E12-3	Jagadeesha Pai B, Rajkumar, G.S. Dwarakish, A.Vittal Hegde
22.	Solute transport modelling of saltwater intrusion in coastal aquifers	Proc. International conference on Emerging trends in Engineering, Department of Civil Engineering, NMAM Institute of Technology, NITTE, Udupi District, Karnataka. ISBN: 978-93-83083-80-0	Lathashri.U.A and A. Mahesha
23.	Solute transport modeling in tropical, coastal aquifer - A semi-conceptual approach	Int. Conf. Hydrology and Watershed Management. Eds: K. Ramamohan Reddy and B. Venkateswara Rao, Centre for Water Resources, Institute of Science and Technology, J.N.T.U., Hyderabad, India	Lathashri U.A. and A.Mahesha
24.	Comparison of Atmospheric Correction Algorithms on Hyperion Data for Mineral study	Proceedings 27 th Session Kerala Science Congress held in ALAPPUZHA , 27 th –30 th January 2015	Alina Nero , Amba Shetty and Chandan Kumar
25.	An Integrated Approach For Arecanut Crop Health Monitoring	Proceedings of HYDRO 2014 International Conference on Hydraulics, Water resources & Environmental Engineering. (Dec. 18-20 th , 2014) held at Bhopal	Bhojaraja B E,Amba Shetty,Nagaraj M K
26.	Utility of Hyperspectral Data for Disease Detection in Arecanut Palms	National Conference on furthering Aspiration in Civil Engineering Techniques t organized by Dept. of Civil Engineering, Government	Megha V, B.E Bhojaraja Amba Shetty , M.K Nagaraj

		College of engineering, Kannur, Kerala 26-27 th June 2014. It got the Best Paper Award	
27.	Ground Water Quality Assessment using Multivariate Analysis	Proceedings of the First Annual Conference on Innovations and developments in Civil Engineering held in NITK Surathkal 19-20 May, 2014	Varada V, Mohammad Shahid and Amba Shetty
28.	Fatigue analysis of fixed offshore platform	1 st Annual Conference on Innovative and Developments in Civil Engineering, ACIDIC – 2014 held at NITK, Surathkal during 19 th to 20 th May, 2014. Pp 701-706.	Abhilash Reddy, Manu

Department of Civil Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Studies on prestressed reinforced foundation beds overlying weak grounds	1st National Conference on Recent Advancements in Engineering and Technology, conducted by LBS College of Engineering, Kasargod, Kerala, pg. 66 volume of abstracts.	Jayamohan, J. and Shivashankar, R.
2	Electrical resistivity applications - a versatile testing technique in civil engineering	First Annual Conference on Innovations and Developments in Civil Engineering ACIDIC-2014 held during 19-20 May 2014 at NITK, Surathkal, Paper No. S-016-ACIDIC-2014.	Nimi Ann Vincent, Lokesh, K. N. and Shivashankar, R.
3	Analytical Modeling of Prestressed Reinforced Granular Beds overlying weak soils	(ID " FACET1403001 "), National Conference on 'Furthering Aspirations in Civil Engineering Techniques' -FACET'14, 26th-27th June 2014 at Govt. College of Engineering Kannur.	Jayamohan, J. and Shivashankar, R
4	Effect of vegetation on shear strength of shedi soils and slope stability	Indian Geotechnical Conference (IGC), 18-20 December 2014, JNTU, Kakinada, 10 pages, pg. 269 in volume of abstracts	Shivashankar, R., Biji, C.T., Hridya, S. and Venkat Reddy, D.
5	Behavior of Reinforced Granular Beds overlying weak soil with voids	National Conference on Recent Advances in Engineering and Technology (nCORETech2015), LBS College of Engineering, Povval, Muliya, Kasaragod, Kerala, January 20-21, 2015	Jayamohan, J., Shivashankar, R. and Nileena Suresh Kumar
6	Organic Contaminant adsorption in soils	<i>Proceedings of the First Annual Conference on Innovations and Developments in Civil Engineering,</i>	Varghese Meera and Sunil B.M.,

		<i>ACIDIC-2014NITK, Surathkal, India. 19-20 May 2014</i>	
7	Utilization of iron ore mine tailings in concrete	Proceedings of the First Annual Conference on Innovations and Developments in Civil Engineering, ACIDIC-2014NITK, Surathkal, India. 19-20 May 2014.	Lolitha R, Sunil B.M. and Manjunath L.S
8	Impact of Lane Segregation on Delays at Signalized Intersections under Mixed Traffic Conditions	Proceedings of the First Annual Conference on Innovations and Developments in Civil Engineering, ACIDIC-2014, NITK, Surathkal, India. 19-20 May 2014.	Gowri, A. and Sivanandan, R.
9	Study of Vehicle Following Behaviour under Mixed Traffic Conditions	<i>National Conference on Technological Innovations for Sustainable Infrastructure</i> , March 2015, NIT Calicut, India	Basheer, S. and Gowri, A.
10	Performance Evaluation on anaerobic digestion of banana waste along with domestic wastewater	National Conference on Technological Innovations for Sustainable infrastructure, NIT Calicut, INDIA (March-2015).	Uma S, Arun Kumar Thalla and Jayanthi S

Department of Chemical Engineering

Sl. No.	Title of Paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Effects of liquid swirling on gas to liquid mass transfer in two phase swirled bed reactor	New Approaches in Chemical Sciences & advancement in Renewable energy, New Delhi 2014	Amit, Keyur Raval, D V R Murthy
2	Production of fuel by pyrolysis of waste plastic	New Approaches in Chemical Sciences & advancement in Renewable energy, New Delhi 2014	Ved Tripathi, Gopal Mugeraya, Keyur Raval
3	Isolation of L-asparaginase producing endophytic microorganisms from the rhizomes of <i>Costus speciosus</i> .	AMI-55th Annual Conference, Association of Microbiologists of India - Empowering Mankind with Microbial Technologies (AMI-EMMT) -2014, Coimbatore, India. Paper No. MD-6. November 12-14, 2014.	Prajna Rao K*, Prasanna D. Belur
4	Isolation of L-asparaginase producing endophytic microorganisms from the rhizomes of <i>Curcuma amada</i> .	National Conference On Recent Trends in Microbial Biotechnology (RTMB-2015), Osmania University, Hyderabad, India. Paper No. BEET-7. February 26-28, 2015.	Prajna Rao K*, Prasanna D. Belur
5	Studies on the production of oxalate oxidase from endophytes	AMI-55th Annual Conference, Association of Microbiologists of India - Empowering mankind with microbial technologies (AMI-EMMT 2014) by	Kunal Kumar, Prasanna B.D

		Association of microbiologists of India at TNAU, Coimbatore on Nov 12-14 ,2014	
6.	. Production of Fibrinolytic Enzyme from Marine Microorganisms.	55th Annual Conference. National Conference on Empowering Mankind with Microbial Technologies (AMI-EMMT)-2014 Coimbatore, India, Paper No. MD-08, November 12-14.	Anusha Krishnamurthy*, Prasanna B.D
7.	Marine microorganisms - A Source for the Production of Fibrinolytic Enzymes.	National Conference on Recent Trends in Microbial Biotechnology (RTMB)- 2015 Hyderabad, Telangana, India, Paper No. BEET-033, February 26-28.	Anusha Krishnamurthy*, Prasanna B.D
8.	Application of nanotechnology in waste water treatment	10th Kannada Vignana Sammelana held at Mysore University, Mysore.2014.ISSN 2249 VIJNANA KANNADA(PRINT)	Shankamma K, Vidya Shetty K.,

Department of Chemistry

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	D-π-A Novel D-π-A Organic Dyes for Highly Efficient Dye- Sensitized Solar Cells.	National Conference on Advanced Materials for energy and environmental applications", Bharathiar University, Coimbatore-641 046, March 18-20, 2015	Dickson D. Babu and AirodyVasudevaAdhikari.
2.	Synthesis and catalytic application of Schiff base complexes in cross-coupling reactions	National Conference on Advances and Innovations in Chemical Sciences (NCAICS-2015), University of Mumbai, Vidyanagri, Santacruz (E). Mumbai-400 098, INDIA, February 12-13, 2015	Rasheeda M. Ansari and BadekaiRamachandra Bhat

Department of Computer Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	An Efficient Methodology To Cluster Homogeneous And Heterogeneous XML Documents with reduced complexity	National Conference on Innovations in Information Technology (NCIIT-2015)" pageno.- 38-45.	Aditya Kumar Mishra, K Vinay Kumar
2.	Bi-Wall: A New DoubleGuard IDS for Web Services Security	National Conference on Frontiers in Applied sciences and Computer Technology (FACT'15), NIT Trichy.	Shruti Repally, Priyanka Das, K Chandrasekaran

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
3.	Parallel Power Iteration Clustering (p-PIC) in Big Data Domain	National Conference on Big Data and Cloud Computing, NIT Trichy.	Piyush Shegokar, K.Chandrasekaran.

Department of Electronics and Communication Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Implicit segmentation of Kannada characters in offline handwriting recognition using hidden Markov models	Proceedings of DAR 2014, Bangalore	Manasij Venkatesh Vikas Majjagi Deepu Vijayasenana

Department of Electrical & Electronics Engineering

Sl. No	Title of the paper	Conference Name., Place, Date, Page No,	Author(s)
1	Stand-alone Integrated Wind and PV Powered Telecommunication Stations	AECT 2015 Manipal, Mangalore	Jnapika Mortha, Eva Pradhan, Dr. R. Kalpana and Saravana Prakash R
2	Use of charge simulation method in design of high voltage standard capacitor.	7 th National Conference on Advances in Energy Conversion Technologies (AECT-2015) , Department of Electrical Engineering, Manipal Institute of Technology, Manipal, paper ID AECT-62, 23-24, January 2015.	Dr G S Puneekar
3	A Single-Stage Active Damped LCL-Filter-Based Grid-Connected Photovoltaic Inverter With Maximum Power Point Tracking	18 th National Power Systems Conference (NPSC), IIT Guwahati, Assam, India 2014	N. Sandeep, P.S Kulkarni, Udaykumar R. Y
4	Fuzzy logic approach for curtailed number of controllers for voltage control in grid connected wind farms	18th National Power Systems Conference (NPSC 2014), Indian Institute of Technology Guwahati (IIT Guwahati), Assam, India, Dec 2014.	M. Shareeq M.T., M. Tukaram, and D. Thukaram

5	Simulation of HVDC Transmission System in PSCAD/EMTDC and Protection Scheme under Fault Conditions	Proc. Of National Conference On Power System Protection, Central Power Research Institute (CPRI), Bangalore, Karnataka, India, February, 27-28, 2015, pp.105-112	Mohan M, K P Vittal
6	Recloser-Fuse Time Coordinated Operation Modeled in PSCAD/EMTDC	Proc. Of National Conference On Power System Protection, Central Power Research Institute (CPRI), Bangalore, Karnataka, India, February, 27-28, 2015, pp.64-75.	Maheshwar A P, K P Vittal
7	Control Strategy of Converters in Distributed Generation Systems: Review	7 th National Conference on Advances in Energy Conversion Technologies (AECT-2015) Department of Electrical Engineering, Manipal Institute of Technology, Manipal, January 23 – 24, 2015,	Rajarathinamala . P and D. N. Gaonkar
8	Droop Control Strategies in Microgrid -A Review	7 th National Conference on Advances in Energy Conversion Technologies (AECT-2015) Department of Electrical Engineering, Manipal Institute of Technology, Manipal, January 23 – 24, 2015,	Sikha V.S and D. N. Gaonkar
9	Development of System Identification Tool-Application	7 th National Conference on Advances in Energy Conversion Technologies (AECT-2015) Department of Electrical Engineering, Manipal Institute of Technology, Manipal, January 23 – 24, 2015,	Nandhakumar .M and D. N. Gaonkar
10	Design and Implementation of High Frequency transformer isolated ac-dc converter for switched mode power supplies	18th National Power Systems Conference (NPSC 2014), Indian Institute of Technology Guwahati (IIT Guwahati), Assam, India, Dec 2014.	Dr. R. Kalpana, Prof. G. Bhuvaneshwari, Prof. Bhim Singh and Saravana Prakash P

Department of Humanities, Social Sciences and Management

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Role of Indian accrediting bodies in Higher Education"	National conference on Outcome Based Education " ,HSM Dept. NITK, Surathkal, January 16-17 , 2015.	Krishna Kishore and Sequeira A. H.,"
2.	" Effectiveness of Government Policies and programs for promoting women	National conference on 'MSMEs-Role in propelling economic development of India', R. V. Institute of Mangement ,	Claret Mendonca and Sequeira A. H.

	entrepreneurship in small enterprises "	December 6, 2014.	
3.	" Women entrepreneurs in small and medium enterprises and their access to capital"	Women's World Congress on 'Gender in a changing world', organized by University of Hyderabad, August 17-22, 2014.	Claret Mendonca and Sequeira A. H.
4.	A Model for Financial Inclusion and Inclusive Growth- With Special Reference to Vulnerable Section Households	National Conference on Emerging Issues in Banking and Finance in a Technology Driven Economy , HSM Dept. , NITK,Surathkal , February 20th, 2015	Manohar V. Serrao , Sequeira A.H.and K.V.M. Varambally
5	"Exiled in the Homeland: Palestinian Experience as in Sahar Khalifeh"	Annual National Conference on Space, Place, Travel, Displacement and Exile, 12-14 February, 2015, BITS Pilani Goa Campus.	Priyanka M. and Shashikantha K
6	Measuring Financial Inclusion and its Determinants	Two Day National Conference om Financial Inclusion in India: Potential and Gaps organized by Institute of Economic Research (IER), Dharwad During 30- 31 st October, 2014.	Rajesh Acharya H

Department of Mining Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Inpit Crushing and Conversing System(IPCCS)	Recent trends in Mechanized Mining in University College, Kottagudem School of Mines, date 27-28 Dece. 2014, Page 46-47	Ch.S.N.Murthy, Balla Kalyan, A. Hemanth Reddy
2	Automations in Mine-Health and Safety benefits	Mining Healthin National Institute of Mining Health, Kolar Gold Fields, 21-22 Feb 2015. Page-53-59	Ch.S.N.Murthy, Balla Kalyan, A. Hemanth Reddy
3	Involvement of Behavioral and System factor in Occupational Injuries in Mines	ENTMS-2014, 14 th Annual Event on new equipment and new Technology Management and safety in mines and mineral based Industry. Date 11-12, May,2014. Bhuvaneshwar, India	Dr. B. M. Kunar
4	Pellet Plant - A Sustainable Utilization of Fine iron Ore Waste	National Conference on Technology for Sustainable Mining, Jodhpur, 13-14 Feb. 2015, 115-119.	R.P. Choudhary

Department of Metallurgical & Materials Engineering

Sl. No	Title of paper	Conference Name, Place, Dates, Page Nos.	Month & Year	Author(s)
1	Cooling performance of select vegetable Oils and mineral-vegetable oil blend quench media	NMD ATM 2014, Pune, 12-15	November 2014	Pranesh Rao K.M. and K.N.Prabhu
2	Effect of varying content of Sr addition on dendrite coherency of near eutectic Al-11% Si alloy	NMD ATM 2014, Pune, 12-15	12-15 November 2014	Vijeesh V and K.N.Prabhu
3	Wettability and Bond Strength of Sn-3.5 Lead-free solder alloy re-flowed on copper substrate,	NMD ATM 2014, Pune,	12-15 November 2014	Pranav Nayak, Rakesh Kamath, Mrunali Sona, K.N.Prabhu
4	Assessment of heat transfer in MWCNT-water nanofluids for quench heat treatment,	NMD ATM 2014, Pune	12-15 November 2014	Vignesh Nayak U. and K.N.Prabhu
5	Assessment of solder joint reliability of Sn-3.8-0.7Cu alloys on copper substrates as a function of reflow time	NMD ATM 2014, Pune	12-15 November 2014	Mrunali Sona and K.N.Prabhu
6	Wetting kinetics, kinematics and heat transfer characteristics of quench media: State of the Art, Invited Talk	NMD ATM 2014, Pune	12-15 November 2014	K. N. Prabhu
7	Effect of pre-zinc coating on morphology and adhesion strength of electrodeposited copper on aluminum	17 th National Congress on Corrosion control, CSIR-CERI, Karaikudi.	Aug 2014	Arun Augustin, Udaya Bhat K., Rajendra Udupa, A.Chitharanjan Hegde
8	Magnetic field-driven dewetting in thin liquid films on topographically patterned surfaces	International Congress on Computational Mechanics and Simulation (ICCMS) 10 - 13 December 2014, Chennai, Paper ID 396.	December 2014	Sreeram K. Kalpathy and Navdeep Vyas.

Department of Physics

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Growth and characterization of	National conference on Condensed Matter Physics and Applications, 27 th -	Santhosh T.C.M., Prof. Kasturi V. Bangera,

	cadmium selenide thin films.	28 th March-2015.	Prof. G.K.Shivakumar
2.	Effective roll of annealing temperature on the structural properties of spray deposited Lead sulfide thin films.	National conference on Condensed Matter Physics and Applications, 27 th - 28 th March-2015.	E. Veena , Prof. Kasturi V. Bangera, Prof. G.K.Shivakumar
3.	The effect of current density on morphological and wettability of Porous silicon at the room temperature.	National Conference on "ADVANCED MATERIALS FOR ENERGY AND ENVIRONMENTALAPPLICATIONS" – (AMEEA), March 18-20 th , 2015. Bharathiar University , Coimbatore	Martha Ramesh and H.S. Nagaraja

14 TECHNICAL EVENTS

Department of Applied Mechanics and Hydraulics

STTPs/Schools/Conferences/Seminars/Workshops etc.

Type of event	Name of event	Dates & Duration	Sponsor (s)	Co-ordinator
Workshop	Recent trends in system application as applied to Civil Engineering	09.01.2015	TEQIP-II	Dr. M.K.Nagaraj & Dr. Manu
International Conference	Water Resources, Coastal and Ocean Engineering (ICWRCOE'15)	12-14 March 2015	NITK, TEQIP-II	Dr. G.S.Dwarakish

Foreign Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
Deepak, Ph.D.	Professor, Malaysia University, Malaysia	Interaction with faculty and students and given a lecture on details about his Institute and academic programme	02.09.2004

Indian Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
Baba M, Ph.D.	Director, CESS Tiruvanathapuram	Visited the Dept and expert lecture given on 'Coastal Engineering'	11.04.2014
D. Nagesh Kumar, Ph.D.	Professir, IISc., Bangalore	Expert for Ph.D viva voce exam	19.05.2014
Archana Sarkar, Ph.D.	Scientist D, NIH Roorkee	Visited and given a guest lecture 'Runoff modeling in Himalayan basins and impact of climate change on runoff' & ANN applications in hydrological modeling – Case studies	19 & 20.06.2014
Prasad Kumar Bhaskaran, Ph.D.	Professor, IIT, Kharagpur	Expert for Ph.D viva voce exam	08.07.2014
M.C.Deo, Ph.D.	Professor, IIT, Bombay	Expert for Ph.D viva voce exam	10.07.2014
Sanasiraj, Ph.D.	Professor, IIT Madras	Expert for curriculum revision	12.09.2014
D. Nagesh Kumar, Ph.D.	Professir, IISc., Bangalore	Expert for curriculum revision	15.09.2014
B.Venkatesh, Ph.D.	Scientist, NIH, Balgaum	Expert for curriculum revision	15.09.2014
S.Mandal, Ph.D.	Scientist, NIO, Goa	Expert for curriculum revision	15.09.2014

K.N.Tiwari, Ph.D.	Professor, IIT, Kharagpur	Expert for Ph.D viva voce exam	18.12.2014
Sureshkumar, Ph.D.	Scientist, IIRS, Dehradun	Expert for Ph.D viva voce exam	14.01.2015
Hariprasad, Ph.D.	IIT Roorkee	Expert for Ph.D viva voce exam	19.02.2015

Department of Chemical Engineering

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

Conducted a combined DPGC and DFC meeting on **20th September 2014** to validate the programme outcomes (PO) and programme educational objectives (PEO) for the three M.Tech. programmes offered by the Department. We had invited the following experts from industry and academic institutions from different places.

1. Prof. A.K. Srivastava, IIT, Delhi,
2. Prof. Sandeep Roy, IIT, Bombay,
2. Prof. S.Sundaramoorthy, Pondicherry Engg. College, Pondicherry,
3. Ms. Usha P., Chemtex, Bangalore,
4. Mr.Vijay J.S., G.E., Bangalore

Conducted Conference

Type of Event	Name of Event (Topic)	Dates & Duration	Sponsorers	Corodinator(s)
National Conference	Recent challenges in a atmospheric and earth sciences (RCAES-2014)	27 th to 31 st Dec. 2014	DST, MOES, TEQIP, NITK	B. Raj Mohan, Ph.D. P.E. JagadeshBabu, Ph.D. Keyur Raval, Ph.D. T.K.Jagannathan Ph.D.

Participants: Faculties from other institutes, industry persons, research scholars

Resource Persons:

Shri. H S Varadarajan, Chief Fire Officer Mangalore District

T N Singh, Ph.D. IITB, Mumbai

Mr. K G Nanjappa, Deputy Director Inspector of Factories, Mangalore

Balakrishna, Ph.D. Associate Professor, Dept. of Civil Engineering, MIT Manipal

B C Meikap, Ph.D. Professor, Dept. of Chemical Engineering IIT Kharagpur

Raj Mohan B, Ph.D. Associate Professor, Dept. of Chemical Engineering, NITK

Lakshman Nandagiri, Ph.D. Professor Dept. of Applied Mechanics and Hydraulics, NITK

G. Srinikethan, Ph.D. Professor, Dept. of Chemical Engineering, NITK

Resource Persons:

Katta Venkatramana, Ph.D. Professor, Dept. of Civil Engineering, NITK

Sekar, Ph.D. Associate Professor, Dept. of Botany, Pachaiyappa College

N. Selvaraju, Ph.D. NITC, Assistant Professor, Dept.of.Chemical

Engineering, NIT Calicut

Jagannathan T K, Ph.D. Asst. Professor, Dept. of Chemical Engineering, NITK Dr. Ravikumar,

Assistant Professor, Ph.D. Dept. of Chemical / BioChemical Engg, Catholic, University of Daegu

R J Krupadam, Ph.D. Sr.Scientist, Environmental Impact & Risk Assessment Division, NEERI Nagpur

V. R. Sastry, Ph.D. Professor, Dept.of Mining Engineering, NITK

Sarath Chandra Kar, Ph.D. Scientist – G NCMRWF, MoES, Noida, India

D Venkat Reddy, Ph.D. Professor, Dept of Civil Engineering, NITK

Dwarakish G S, Ph.D. Professor, Dept.of.Applied Mechanics and

Hydraulics, NITK

Foreign visitors to Department

Name of Visitor	Designation & affiliation	Purpose of Visit	Dates of Visit
Prof. Nitash P.Balsara	Professor of Chemical and Biomolecular Engineering, and Faculty Senior Scientist, Environmental Energy Technologies and Materials Sciences Division, Lawrence Berkeley National Laboratory, University of California, Berkeley	Invited by Indian Academy of Science to deliver lectures in premier institutes in India & deliver a Talk on "Batteries, Biofuels and the Sustainable Energy Landscape".	18 th November, 2014

Special Lectures Delivered by the Industry Personnel:-

Name of Experts	Topic of lecture	Dates of Visit
Mr.Ramesh S, General Manager, (Quality Control & R&D),MRPL	Refinery Feedstock and products- Properties and Quality (including evaluation)".	29 th October 2014
Praveen P Senior Manager , MRPL	Expert lecture series on Petroleum Refining	14 th November, 2014

Department of Civil Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	"Civil Infrastructure and Structural Materials"	28-29 July, 2014	TEQIP-II, NITK	Suresha S. N., Ph.D. & A.S.Balu, Ph.D.
Workshop	"Mitigation of Road Disasters" jointly organised by the Centre for Disaster Risk Reduction and the DCE, NITK, Surathkal.	15-17 Sep., 2014	TEQIP-II, NITK	Suresha S. N. Ph.D.& A.Gowri, Ph.D. Convener: S.S.Shrihari, Ph.D.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof T Asano	Professor, Kagoshima University, Japan	Academic Interaction	December 7-9, 2014
Prof Y Kimura	Associate Professor, Kagoshima University, Japan	Academic Interaction	December 7-10, 2014
Mr Keisuke Ota	Postgraduate student Ritsumeikan University, Japan	Academic Interaction & Internship	January 21-February 11, 2015
Prof. Neeraj Buch	Professor and Head Department of Civil and Environmental Engineering, Michigan State University, USA.	Academic Interaction and to organise joint Workshop	July 27-30, 2014
Prof. Venkatesh Kodur	Professor & Director, SAFE-D Center, Michigan State University, USA	Academic Interaction and to organise joint Workshop	July 27-30, 2014

Department of Computer Engineering

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

Type of Event	Name of Event	Dates & Duration	Sponsor (s)	Coordinator(s)
Workshop	Simulation of Wired and Wireless Networks (SWN-2014)	Three day, 03 rd -05 th July 2014	TEQIP-II	B.R. Chandavarkar, Ph.D. and Mohit P. Tahiliani, Ph.D.
Expert Lecture	Compiler Techniques for Efficient Assembly Code Generation", by Dr. Janakiraman V, Research Engineer, IBM Pvt. Ltd.	02 nd August 2014	Institute fund	Basavaraj Talawar, Ph.D.
Expert Lecture	"Non-blocking Process Synchronization and Transactional Memory", by Dr. Nabendu Chaki, Department of Computer Science and Engineering, University of Calcutta, India	13 th August 2014	Institute fund	Annappa, Ph.D.
Workshop	Information Security and Cryptography	Two days, 15-16 th September 2014	TEQIP-II	P. Santhi Thilagam, Ph.D. Alwyn R. Pais, Ph.D.

Type of Event	Name of Event	Dates & Duration	Sponsor (s)	Coordinator(s)
Expert Lecture	"Multicore Memory Hierarchy and SRAMs", by Mr. Viveka K	20 th September 2014	Institute fund	Basavaraj Talawa, Ph.D.r
Expert Lecture	"Advanced Topics in Memories- eDRAM, PCMs, Flash" by Dr.Balaji Jayaram, Staff Research Engineer, IBM Pvt. Ltd., Bangalore	20 th September 2014	Institute fund	Basavaraj Talawar, Ph.D.
Workshop	Cloud Computing and Big Data	One day, 30 th September 2014		K. Chandrasekaran, Ph.D.
Talk	"A Deterministic Measure and an Information Computing Machine", by Dr.Debabrata Saha, from USA	11 th November 2014		K. Chandrasekaran, Ph.D.
Webinar	In Memory Databases	13 th November 2014	--	Annappa, Ph.D.
Special Lectures	"Number Theory & Cryptography", by Prof. B.B. Amberker, Professor, Dept. of Computer Engineering, NIT Warangal	13-14 th November 2014		Mr. Alwyn R. Pai
A Meeting cum Interaction session	Prof. Satish K.Tripathi, President, University at Buffalo, NY, USA	14 th November 2014	--	K. Chandrasekaran, Ph.D.
Workshop	Mobile Health	One day, 21 st November 2014	TEQIP II	Jeny Rajan, Ph.D.
Talk	"Open Power and Emerging Areas", by Mr.Dipankar Sarma, Distinguished Engineer, IBM, Bangalore	28 th November 2014	--	K. Chandrasekaran, Ph.D.
Third International Conference	Eco-friendly Computing and Communication Systems – ICECCS 2014	Four days, 18 th – 21 st December, 2014	Institute fund	K. Chandrasekaran, Ph.D. Mohit P. Tahiliani
Workshop	Data Science	Two days 27 th – 28 th February 2015	TEQIP II	Annappa, Ph.D. Mr. B.R. Chandavarkar

Type of Event	Name of Event	Dates & Duration	Sponsor (s)	Coordinator(s)
Workshop	Microsoft HACKATHON	07-08 feb 2015 22-22	--	K. Chandrasekaran, Ph.D.
Expert Lecture	"DNS Security" by Balaji Rejandran, Ph.D. Senior Technical Officer, C-DAC, Bangalore	27 th -28 th March 2015	Institute fund	K. Chandrasekaran, Ph.D.
Expert Lecture	"Penetration Testing" by Mr. Manish Kumar Assistant Professor and Consultant, MSRIT Bangalore	27 th -28 th March 2015	Institute fund	K. Chandrasekaran, Ph.D.
Expert Lecture	"Understanding the correctness requirements of software transactional memory systems" by Satya Peri, Ph.D. Assistant Professor, Department of Computer Science and Engineering, IIT Hyderabad	25 th March 2015	Institute fund	Annappa, Ph.D.

Foreign Visitors to Department:

Name of the Visitor	Designation & Affiliation	Purpose of visit	Date of Visit
Prof.Raj Acharya	Dept. of CSE at Penn State University, U.S.A.	Opinion sharing on POs, PEOs, OBEs of NBA PG SAR & Expert Speaker for Workshop Cloud Computing and Big Data	30 th September 2014
Debabrata Saha, Ph.D.	USA	Gave a talk on "A Deterministic Measure and an Information Computing Machine"	11 th November 2014
Prof. Satish K.Tripathi	President, University at Buffalo, NY, USA	A meeting cum interaction session with faculty members	14 th November 2014
Dharma P. Agrawal, Ph.D.	Ohio Board of Regents Distinguished Professor and Director, Center for Distributed and Mobile Computing, EECS Department, University of	ICECCS 2014, delivered a keynote address on Magic of Wireless Sensor Networks	18 th – 21 st December, 2014

Name of the Visitor	Designation & Affiliation	Purpose of visit	Date of Visit
	Cincinnati		
Zoran Stamenkovic, Ph.D.	IHP, GmbH, Frankfurt (Oder), Germany	ICECCS 2014, delivered a keynote address on "Low Power Design for Integrated Circuits"	18 th – 21 st December, 2014
Prof.. San Murugesan	BRITE Professional Services and University of Western Sydney, Australia and Editor in Chief, IEEE IT Professional	ICECCS 2014, delivered a keynote address on "Green Computing"	18 th – 21 st December, 2014
Professor Ashok Deshpande PhD	Founding Chair: Berkeley Initiative in Soft Computing (BISC) - UC Berkeley CA; Guest Faculty: University of California Berkeley; Visiting Professor: Indian Institute of Technology, Mumbai India; Adjunct Professor: College of Engineering Pune (COEP) India; Former Deputy Director: National Environmental Engineering Research Institute (NEERI)/CSIR	ICECCS 2014, delivered a keynote address on "Fuzzy Relational Calculus on Energy Options?- Towards Decision Making under Risk and Uncertainty"	18 th – 21 st December, 2014
Nirmalya Roy, Ph.D.	Analytics, by Assistant Professor, Department of Information Systems, University of Maryland Baltimore County, Baltimore, USA	ICECCS 2014, delivered a keynote address on "Green Building Energy"	18 th – 21 st December, 2014
Vinod Namboodiri, Ph.D.	Associate Professor and Graduate Coordinator, Wichita State University	ICECCS 2014, delivered a keynote address on "Smart Grids and Green Mobile Computing: Two Frontiers of Eco-friendly Computing and Communications"	18 th – 21 st December, 2014
Prof. D.K. Arvind	Professor, University of Edinburg	ICECCS 2014, delivered a keynote address on "Speckled Computing"	18 th – 21 st December, 2014

Name of the Visitor	Designation & Affiliation	Purpose of visit	Date of Visit
Mr. Yann Busnel and Mrs. Esther Lalau Keraly	Delegation from ENSAI (National Graduate School for Statistics and Data Analysis)	Interaction with CSE & IT faculty members and students	26 th February 2015

Department of Chemistry

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
BARC Outreach program	BARC Outreach program	10 th February 2015	BARC & NITK Surathkal	ArunM .Isloor, Ph.D.
Plastic waste & E-waste management awareness program	One day workshop	31 st January 2015	Small industries & plastic manufacturers association, Mangalore	Arun M. Isloor, Ph.D.

Foreign Visitors to Department: 01

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Valiyaveettil, Suresh	Associate Professor, National University of Singapore	Guest lecturer	

Department of Electronics And Communication Engineering

Type of Event	Name of Event	Dates & Duration	Sponsor	Coordinator(s)
Seminar	Lecture on Micro-fluidic Biochips for Automating Biochemical Protocols – A Walk Through by Dr. Bhargab B. Bhattacharya Professor, Computer Science & Engg, Indian Statistical Institute, Calcutta	5th March 2014	Dept. of ECE	Muralidhar Kulkarni, Ph.D. & M S Bhat, Ph.D.
Finishing School	Finishing School conducted for PG students	between 12-08-2014 and 06-11-2014	TEQIP II	U Sriapti, Ph.D.
Workshop	FPGA Design - An Industry perspective	August 22-24, 2014	TEQIP II	U Sriapti, Ph.D.
STTP	Photonics, Optical Communication Systems and Networks	September 8-10, 2014	TEQIP II	Muralidhar Kulkarni, Ph.D. U Sriptati, Ph.D.
Seminar	Reversible Computing: Low Power Applications by Dr. Hafizur	28th October 2014	Dept. of ECE	M S Bhat, Ph.D.

	Rahaman Professor, Dept. of Information Technology, Indian Institute of Engg. Science & Technology (IEST), Kolkata			
Winter School	NITK – CMU Joint Winter School 2014	December 10-24, 2014	TEQIP II	Prof Bhiksha Raj, Carnegie Mellon University, Pittsburgh, USA Prof Sumam David S, NITK
Conference	ISED 2014	December 15-17, 2014	TEQIP II	M S Bhat, Ph.D. Muralidhar Kulkarni, Ph.D.
Seminar	Internet of Things (IoT) by Atul Sharma, Gila Services Pvt. Ltd Bangalore	9th January 2015	Dept. of ECE	Muralidhar Kulkarni, Ph.D. N S V Shet, Ph.D.
Seminar	Cardiology by Mr. Anand Madanagopal, Cardiac Design Labs, Bangalore	28th January 2015	Dept. of ECE	M S Bhat, Ph.D.
STTP	Introduction to Biomedical Electronics and Biomedical Imaging	March 2-3, 2015	TEQIP II	M S Bhat, Ph.D.
Workshop	Intel Galileo - Hands-on embedded system	March 13-14, 2015	TEQIP II	Ramesh Kini, Ph.D. Aparna P, Ph.D.
Seminar	Optimal Signaling for Multi-Level Amplitude-Shift Keying with Single-Input Multiple-Output and Noncoherent Reception by Ranjan K. Mallik Dept of Electrical Engg. IIT Delhi	16th March 2015	Dept. of ECE	M S Bhat, Ph.D.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Dr. T Kirubarajan	Professor & Canada Research Chair in Information Fusion Associate Chair	Introduction to Radar Target Tracking Radar Target Tracking - I Radar Target Tracking - II Multiple Target Tracking Entrepreneurship Overview of Graduate Studies at McMaster University, Canada	August 21-23, 2014
Dr. Vijayan K Asari	Professor in Electrical and Computer Engineering Ohio Research Scholars	Advanced Image Analysis for Automatic Object, Detection,	27th August

	Endowed Chair in Wide Area Surveillance Direction, University of Dayton Vision Lab, Dayton, USA	Tracking and Recognition in Complex Environment Conditions	2014
Prof. Raj Acharya	Professor CSE Dept. Penn State Univ	To meet faculty members	30th September 2014
Prof. Shiela Hemani Dr. Kaushik Choudhury	North-eastern University, Boston USA	Meeting with faculty and students	7 th November 2014
Prof Bhiksha Raj	Associate Professor, Carnegie Mellon University, Pittsburgh, USA	NITK – CMU Joint Winter School 2014	December 10-24, 2014
Prof Rita Singh	Research Faculty, Carnegie Mellon University, Pittsburgh, USA		
Mr Pulkit Agrawal	Research Scholar, University of California @ Berkeley, USA		
Prof. Rolf Drechsler	Professor, Director, University of Bremen, Bremen, Germany Cyber-Physical Systems Group at the German Research Center for Artificial Intelligence (DFKI)	ISED 2014 Keynote Speech	December 15-17, 2014
Masahiro Fujita	University of Tokyo, Japan, and Shunpei Yamazaki, Semiconductor Energy Laboratory Co., Ltd., Japan		
Dr. Zoran Stamenković	IHP, GmbH, Frankfurt (Oder), Germany		
Prof Bhiksha Raj	Associate Professor, Carnegie Mellon University		
Prof. Mark Niedre	Professor, Dept. of Electrical & Computer Engineering, Northeastern University, Boston, USA	Short course on Introduction to Biomedical Electronics and Biomedical Imaging	March 2-3, 2015

Department of Electrical & Electronics Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Short Term Course(STTP)	Power Electronics Applications and Technology in Present Energy Scenario	4 th March 2015-6 th March 2015	TEQIP –Phase II NITK Surathkal	Vinatha, Ph.D. and R. Kalpana, Ph.D.

One day lecture	Expert	Expert lecture on Morphological aspects of Image Processing by Prof. B S Dayasagar	12-04-2014	TEQIP-II	A Chaturvedi, Ph.D.
One day lecture	Expert	Expert lecture on Image Processing By Prof. B L Deekshatulu	8-08-2014	TEQIP-II	A Chaturvedi, Ph.D.

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)
Conference	1) Two day national conference on outcome based education	16 & 17 January	NITK	Bijuna C Mohan, Ph.D.
	2) National Conference on Emerging Issues in Banking and Finance in a Technology Driven Economy	February 20th, 2015	SBI, Surathkal, Karnataka Bank, Syndicate Bank	Dhishna P, Ph.D. Suprabha K. R., Ph.D.
Workshop	1. Research Methodology	16th November 2014	NITK	Pavan S, Ph.D.
	2) Mobile Health	21st November 2014	NITK	A.H. Sequeira, Ph.D. Sreejith A, Ph.D. Jeny Rajan, Ph.D.
Seminar	1. 'Capital Market Awareness Program' By Mr. Sumeet Nayak, Vice President, Lotus Knowlwealth	15 October 2014	NITK	Suprabha, Ph.D. A. H. Sequeira, Ph.D.
	2. 'Monetary Economics and Business Cycles' By Dr. Kishore Chandra, EPGP IIM, Bangalore,	10 October 2014	NITK	Prof. A. H. Sequeira, Ph.D. Mr. C. Saho
	3. 'Financial Education'- in collaboration with Securities and Exchange Board of India by Mr. Anil Kumar M, Research Scholar and SEBI Resource Person	19 September 2014	NITK	A.H. Sequeira, Ph.D.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
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Prof. Laurence Larghi	HEIG-VD , Switzerland	Summer university	November 2014
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Department of Mathematical & Computational Sciences

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Functional Analysis and Operator Algebras	02-07, June 2014	NBHM & NITK Surathkal	P. Sam Johnson, Ph.D. and V. Murugan, Ph.D.
Conference	23rd International Conference on Interdisciplinary Mathematical, Statistical and Computational Techniques	18-20th December 2014	Forum for Interdisciplinary Mathematics, NITK, TEQIP NITK Surathkal, Karnataka Bank, Epson India, SBI NITK Surathkal Branch.	S.M. Hegde, Ph.D.

Foreign Visitors to Department:

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof. Junzo Watada	Professor, Graduate School of Information, Production and Systems, Waseda University, Japan	Delivered a talk entitled "Building Linear Regression Model: Statistical Model to Fuzzy Model" on 16th of December, 2014 at 4 p.m.	16th of December, 2014.

Department of Information Technology

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Expert Lecture	IT300-Parallel Computing by Dr. Prakash S R Principal Member of Technical Staff (PMTS) AMD India Pvt. Ltd. Bangalore	21/08/2014 22/08/2014 23/08/2014	IT Dept. NITK	Ananthanarayana V S, Ph.D.
Expert Lecture	Advances in Web Technologies - An Industry Perspective by Mr. Ashish Agarwal, Group Technology Manager, Infosys Technologies	1/9/2014	IT Dept. NITK	Ananthanarayana V S, Ph.D.
Expert	Internet of Things by Atul	9/1/2015	IT Dept.	Ananthanarayana V S,

Lecture	Sharma Co-founder of IotaCell Technologies		NITK	Ph.D.
Workshop	Capacity Planning in Virtualization by Dell Bangalore	20/3/2015	TEQIP-II	Mr. Biju R Mohan, Mr. Dinesh Naik

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof. Raj Acharya	Professor & Head, Dept. of CSE, Pennsylvania state University USA	MOU	30th Sept. 2014

Department Of Mechanical Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Expert Lecture	Expert Lecture on Heat Conduction	2/25/2015, 2 hr	Department of Mechanical Engineering	N. Gnanasekaran, Ph.D.
Expert Lecture	Expert Lecture on Mind and its Control	3/24/2015, 2 hr	TEQIP	N. Gnanasekaran, Ph.D.
Expert Lecture	Expert Lecture on Overview of intelligent manufacturing system on qualitative manufacturing of tools in the tooling industries			
Expert Lecture	Expert Lecture on Publication Ethics and Journal Paper writing	18th December 2014	Department of Mechanical Engineering	Mrityunjay Doddamani, Ph.D.
International Conference	International Conference on Polymer Composites (ICPC-2014) 19-20 December 2014	19-20 DEC 2014	TEQIP & CSIR	G C MOHAN KUMAR, Ph.D., RAMESH, Ph.D.P JEYRAJ AND MR DODDMANI, Ph.D.

Foreign visitors to Department

Name of the visitor	Designation and Affiliation	Purpose of visit	Date of visit
Dr. Prasanna Kumar T S	Former Professor, IIT Madras	Guest Lecture	2/25/2015
Swami	Editor, Vedanta	Guest Lecture	3/24/2015

Atmashraddanadha	Kesari, Ramakrishna mission, Chennai		
Dr. Nikhil Gupta	Professor, New York University, New York, USA	Guest Lecture	18th December 2014

Department Of Metallurgical & Materials Engineering

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

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Workshop on Engineering Failure Analysis (EFA-2014):	Aug 1-2, 2014	NITK+Society for Failure Analysis+Registration	Udaya Bhat K, Ph.D. + Parameswaran, Ph.D.
Workshop	COMSOL Multiphysics modeling workshop	23 May 2014	COMSOL India, and MEA- NITK	Sreeram K. Kalpathy
Workshop	Seminar series on Mechanical Testing and Characterization of Materials	31 Oct 2014	Zwick Roell Testing Machines Pvt. Ltd.	Sreeram K. Kalpathy
National Workshop	Non-Ferrous Extractive Metallurgy	25 - 26 Feb 2015	TEQIP-II, NITK	Shashi Bhushan Arya, Sreeram K. Kalpathy

Foreign Visitors to Department:

Name of Visitor	Designation & Affiliation	Purpose of visit	Date of visit
Mr. Robert Strehle	Zwick, Germany	Speaker, Workshop on Mechanical Testing & Characterization of Materials	October 31, 2014
Dr. Taik Nam Kim	Professor Dept. of Materials Science & Engineering, Paichai Univ., Daejeon, Korea	Special Lecture	4-12-2015

CONSULTANCY PROJECTS

Department of Applied Mechanics And Hydraulics

Name of consultancy job	Client	Name of investigators (s)	Consultancy amount (Rs.)
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			In Lakhs)
Topography survey work of the submergence area	M/s Sahasraligeshwara Power Pvt. Ltd., Bangalore	S.G.Mayya, Ph.D.	0.88
Towards collection & testing of water sample from NMPT area	NMPT, Panambur	M.K.Nagaraj, Ph.D.	3.00

Department of Chemical Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs.)
Conducting of Environmental assessment on AAQ, Noise, DG Stack and Water analysis,	New Mangalore Port Trust	HOD with all faculties	March 2014-April 2015	455169/-
DG Stack, ETP water , drinking water, Metal etc.	M/s. Petronet, United Corp. Ltd., KPCL, Fisheries, Sequent Baikampady, , AB Shetty Dental College also Private parties	-do-	-do-	104598/-
DG Stack	Manipal Technologies Ltd.	-do-	-do-	53483/-
Design & Suggestions for Two STP's of 1.5 MLD capacity and One STP of 1.8 MLD capacity Sewage treatment plant using MBBR Technology	M/s. Herbert Enviro Care Systems (P) Ltd	Dr.G. Srinikethan, Ph.D.	November 2014	11236/-
Consultancy		Keyur Raval, Ph.D.	August 2014	11236/-

Department of Civil Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Proof checking of Structural drawings for upgradation of Rajaji Medical College, Madurai	HLL Lifecare Limited, Thiruvanathapuram	K Venkataramana, Ph.D. K S Babu Narayan, Ph.D.	2014-2016	Rs.7 lakhs
Proof checking of Structural drawings for BDA housing project, Bangalore	K Gowda & Co. Bangalore	K Venkataramana, Ph.D. B R Jayakeshmi, Ph.D.	2015-2016	Rs 5 lakhs

Department of Electronics And Communication Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Technical Consultancy for Selection of Currency Note Sorting Machines	Syndicate Bank	U Sripati, Ph.D. T Laxminidhi, Ph.D.	01-07-2013 01-05-2014	Rs. 9.0 Lakhs
Technical Consultancy for Selection of Currency Note Sorting Machines	Corporation Bank	U Sripati, Ph.D. T Laxminidhi, Ph.D.	15-10-2013 31-04-2014	Rs. 7.5 Lakhs

Department of Humanities, Social Sciences & Management

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Market study to find out distributor and consumer perception	Classic Fusion Metals	Bijuna C Mohan, Ph.D. & K V Gangadharan, Ph.D.	Ongoing	

Department of Mechanical Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Damping characterization of different material	Different clients	K V Gangadharan, Ph.D.	2013-2014	0.10 Lakhs
Vibration analysis of Sinter Plant	SESA Goa	K V Gangadharan, Ph.D.	2013-2014	1.00 Lakhs

Department of Mining Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy Amount (Rs)
Ground Vibration Monitoring	The Deputy Director Dept. of Mines and Geology Tumkur Karnataka	V.R.Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	84,270/-
Slope stability study and risk assessment at limestone mines	M/s. Ramco Cements Ltd. Govindapuram, Sendwai Road	M.Aruna, Ph.D.	From 1/04/2014 to 31/03/2015	4,49,440/-

	Ariyalumtaluk, tamilnadu 620713			
Rock Dredging of Iron Harbour Chand and TC in VPT	M/s. Dharti Dredging & Infrastructure Ltd., Punjagutta, Hyderabad	V.R.Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	7,58,430/-
Impact of lasting operating on the stability of water tank of Kerala water Authority	Sri D. Bijulae, Muthathala Post, Kollaam Dist. Kerala	V.R.Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	2,24,720/-
Controlled Blasting Methodology	Bangalore Metro Railway Corporation LTD. K.H.Road,Shanthi Nagar,Bangalore-560027	V.R.Sastry, Ph.D.& K Ram Chandar, ph.D.	From 1/04/2014 to 31/03/2015	35,00,000/-
Scientific study to determine optimum pit slop angle in opencast mines in the state of Karnataka	The Department of Mines &Geology, Govt. of Karnataka	M.Aruna, Ph.D. & Harsha Vardhan, Ph.D.	From 1/04/2014 to 31/03/2015	48,95,067/-
Ground vibration study	M/s. RNS Infrastructure Ltd.Bangalore	Prof.V.R.Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	84,270/-
Survay and Demarrcation of M.L No. 2394 at Bagalkot	M/s. Doddannavar Brothers Heremagi Ramtal 7 h.S Ihole Iron Ore Mine Baqqalkot.	M.Aruna, Ph.D. & Harsha Vardhan, Ph.D.	From 1/04/2014 to 31/03/2015	80,000/-
Scientific study for usage and optimization of ANFO in OC Mines of SCCL	The General Manager (R&D) M/s. Singareni collieries Company Ltd.Kothegud em-	V.R.Sastry, ph.D.	From 1/04/2014 to 31/03/2015	7,25,846/-

Slope Stability Studies at C.N.halli Mines	M/s. Mineral Enterprises Ltd. No.49, 3 rd Floor, West Wing Khanija Bhavan Bangalore-560001	M. Aruna, Ph.D.	From 1/04/2014 to 31/03/2015	9,000/-
Slope Stability Studies at Ramghad iron ore Mines	M/s. Zeenath Transport Company, Bellary	Aruna, Ph.D. & Harsha Vardhan, Ph.D.	From 1/04/2014 to 31/03/2015	1,24,720/-
Consultancy work for carrying out sub soil investigation.	M/s. New Mangalore Port Trust Panambur, Mangalore	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	7,72,475/-
Slope Stability Study at Jambhunatha Iron Ore & Red oxide Mine	M/s. Goggashantha & Brothers Mine Owner P.B No.-4 Mehro, Co-operative Colony Hospet-583203 Bellary Dist.	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	1,70,600/-
Study of Ground Vibrations in stone quarries Gollarihalli village, Mandya	Department of Mines & Geology Mandya	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	84,270/-
Ground Vibration Study	M/s. New Bharath Stone crusher & hallow Bricks Industries, Kannur, Kerala-670648	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	84,270/-
Counter survey using total station	The Department of Mines & Geology, Govt. of Karnataka	Aruna, Ph.D. & Harsha Vardhan, Ph.D.	From 1/04/2014 to 31/03/2015	32,25,210/-

Counter survey using total station	The Department of Mines & Geology, Govt. of Karnataka	Aruna, Ph.D. & Harsha Vardhan, Ph.D.	From 1/04/2014 to 31/03/2015	7,73,425/-
Ground Vibration Study due to Blasting	St.Mary's Stone Quarry Arakkuzha village Kerala	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	1,68,540/-
Slope stability Analysis – KIOM, NMDC Ltd.	Dy. Dy.General Manager(Mines) NMDC Ltd.Donimalai	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	2,02,248/-
Study for ground vibration due to blasting	Blue Mountain Granites Vellikulangara Post Trichur District Kerala-680693	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	84,270/-
Study of impact of blasting operations..	Oommen Thomas, Bright House, Pattanapuram Post	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	2,24,720/-
Study of the impact of Ground vibrations caused due to Blasting operations	M/s. Unity Stone Industries Miyar Nalkur post Udupi	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	1,68,540/-
Ground vibration study at planters Stone Mine.	Planters stone Mine Ezathumugham Post Kerala	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	84,270/-
Study of Ground Vibration due to blasting	Esskay Industries Thayoor P.o. Velur Thrissure-680601, Kerala	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	84,270/-

Study of Impact of Ground Vibrations caused due to blasting in tunnel on Saddle dam, Bhadra Reservoir, Shimoga	M/s. Sri Sai Deepthi Power Pvt.Ltd., Lalbagh Road, Bangalore-27	V.R Sastry, Ph.D.	From 1/04/2014 to 31/03/2015	1,68,540/-
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Department of Metallurgical & 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

15 HUMAN RESOURCE DEVELOPMENT

15.1 TRAINING STATUS

Department of Chemical Engineering

Name of faculty & Staff	Title of Training programme	Organisation	Dates & Duration of Training
Raj Mohan B, Ph.D.	UNESCO-IHE Training Program on Nanotechnology for Water and Wastewater Treatment		Two Weeks March to April 2014
M. B. Saidutta, Ph.D.	9 th Global Aluminii meet and take up MOU related research activities	San Fransisco, Michigan State University and Penn State University	2 nd May to 5 th June 2014
Vidya Shetty K., Ph.D.	Visiting Researcher at Department of Chemical and Materials Engineering collaborated with Prof.Vinay Prasad.	University of Alberta, Canada	13 th June to 4 th July, 2014 (3 weeks)
Gangamma S. Ph.D.	Visiting Researcher	University of Toronto, Canada	2 nd June to 2 nd July 2014

Department of Computer Engineering

Total number of faculty trained during the period of report	01
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Name of the faculty/ staff	Title of the training program	Organization	Dates & Duration of training
P. Santhi Thilagam, Ph.D.	The sexual Harassment of Women at Workplace	Goa, organized by Institute of Public Administration, Bengaluru	May 16 & 17, 2014

Department of Electrical & Electronics Engineering

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Debashisha Jena, Ph.D.	Short course on Estimation Theory for Communications and Signal Processing	IIT Kanpur	21st – 23rd January, 2015

Department of Electronics & Communication Engineering

Total number of faculty & staff trained during the period of report	01
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Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Kalpana G Bhat	Analog Integrated Circuit Design using Cadence	Entuple Technologies, Bangalore	September 1-5, 2014

Department of Humanities Social Sciences & Management

Total number of faculty & staff trained during the period of report	3
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Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
A.H. Sequeira, Ph.D.	Good Governance for Enhancing the capabilities of Technical Education Institutions in India	NITK	13/02/2015 1 day
Pavan Kumar, Ph.D.	Good Governance for Enhancing the capabilities of Technical Education Institutions in India	NITK	13/02/2015 1 day
Dhishna P, Ph.D.	Good Governance for Enhancing the capabilities of Technical Education Institutions in India	NITK	13/02/2015 1 day

Department of Mechanical Engineering

Total no of faculty and staff trained during the period of report	2
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Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Ramesh M R	Research, Interaction to Understand the Processes Electrospinning Electrospaying used to Develop Ultra Fine Fibres	Centre of Nanofibers Nanotechnology, National University of Singapore, Singapore	July 1-11, 2014
Ramesh M R	Short Term Training program on "Recent	Indian Institute of Technology Madras,	February 2-6, 2015

	Advances in Composite Materials and Machining	Chennai-600 036	
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Department of Metallurgical & Materials Engineering

Total no of faculty and staff trained during the period of report	1
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Name of Faculty	Title of training program	Organization	Dates & Duration of training
Sreeram K. Kalpathy	Symposium on Teaching Learning in Higher Technical Education	IIT Madras	28 - 29 May 2014

PLACEMENT OF STAFF FOR ACADEMIC EXCELLENCE

Department Of Civil Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Varghese George, Ph.D.	Awarded Certificate of Excellence for Outstanding Paper Presentation along with Citation and Gold Medallion, at the International Conference (ICITSEM-2015) held at Hyatt Place, Al-Rigga, Dubai, for the paper titled, "A Demonstration of a Single Variable Genetic Algorithm Optimization for a 2-Phase Traffic Signal"
D.Venkat Reddy, Ph.D.	Awarded Research Excellence Award by Planning and Review Engineering Consultancy -Kathmandu ,Nepal-3rd world conference on Applied Sciences and Engineering -27-29 Sept-2014

Department of Computer Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
K.Chandrasekaran, Ph.D.	Visit to U.S.A. for attending Alumni meet and IEEE IT Pro Conference and visit Michigan State University, U.S.A. during 07 th - 25 th May 2014. Visit to Warsaw, Poland for presentation of paper "Stormgen – A Domain Specific Language to create Ad-hoc Storm Topologies" during 07 th – 10 th September 2014. Visited various universities in Japan for research interaction and MOU: Kagoshima University- Komomoto, Osaka University, National Institute of Informatics (NII) - Tokyo Japan, during 04 th – 14 th March 2015.
P. Santhi Thilagam, Ph.D.	Visit to National University of New South Wales, Sydney, Australia during 03 rd – 11 th October 2014.

Name of Staff/Faculty	Assignment/Recognition/Award
Annappa, Ph.D.	<ul style="list-style-type: none"> Visit to Penn State University, Carnegie Mellon University, Ohio State University, University of Cincinnati, University of Dayton, Wright State University, Dayton for research interaction during 24th June to 04th July 2014.
Shashidhar G. Koolagudi, Ph.D.	<ul style="list-style-type: none"> Visit to National University of Singapore during 09th–18th September 2014
Mohit P. Tahiliani, Ph.D.	15 Dr. Mohit P. Tahiliani received the "EMC Young Achiever Awards 2015" from EMC Corporation on 12 th February 2015 at Le-Meridian Chennai

Department of Chemistry

Name of faculty	Assignment/Recognition/Award
A. VasudevaAdhikari, Ph.D.	Visited the Dr. YiyngWu research group as a visiting scholar for collaboration on dye-sensitized solar cells, with Dr. Yiyng Wu, Department of Chemistry and Biochemistry, The Ohio State University, Columbus, Ohio, USA, from 07 – 07 – 2014 to 22 - 07 – 2014, sponsored by TEQIP-2.
A. VasudevaAdhikari, Ph.D.	Principal Coordinator, DK District Biofuel Information and Demonstration Centre, NITK, Surathkal. This three year project is sponsored by "Karnataka State Biofuel Development Board", GoK, Bangalore.
A. VasudevaAdhikari, Ph.D.	First prize for the poster presentation of the research paper titled "D- π -A Novel D- π -A Organic Dyes for Highly Efficient Dye- Sensitized Solar Cells", in the "National Conference on Advanced Materials for Energy and Environmental Applications", (AMEEA-2015) held during March 18-20, 2015 at Bharathiar University, Coimbatore-641046.
A. VasudevaAdhikari, Ph.D.	Eye-catching artwork of an optical micrograph of the research article titled "New cyanopyridone based luminescent liquid crystalline materials: synthesis and characterization", DOI: 10.1039/C4PP00031E (2014, 13(11), 1496-1508), published in Photochemical & Photobiological Sciences, has appeared on the cover page of the journal. [Link: ISSN 1474-905X CODEN PPSHCB 13(11) 1489-1630 (2014)]
A. VasudevaAdhikari, Ph.D.	Research article titled "New D- π -A type indole based chromogens for DSSC: Design, synthesis and performance studies" appeared as 4 th HottestArticle amongst the top 25, in the International Journal, "Dyes and Pigments", during the period July to September, 2014.
B.Ramachandra Bhat, Ph.D.	Commonwealth Academic Fellowship at Northumbria University from 19.01.2015 to 18.04.2015
Arun M. Isloor, Ph.D.	Selected for the award of 'Centre of excellence' in membrane research by VGST, Govt. of Karnataka during December 2014 for amount Rs 60.00 Lakhs.
Arun M. Isloor, Ph.D.	'Within Top 5 Researcher in India' (Materials Research) as per the Scopus survey held during March 2014.
Arun M. Isloor, Ph.D.	Received 'Certificate of Excellence in Reviewing' (June 2014) from

	'European Journal of Medicinal Chemistry' for the year 2013.
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Department of Electronics And Communication Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
M S Bhat, Ph.D.	Member Board of Studies of Engineering, NMAMIT Nitte, Goa University, MSRSAS, B'lore Delivered Invited Talk on Low Power VLSI Design, Srinivas Institute of Technology, Mukka, October 2014.
Sumam David S, Ph.D.	Member Board of Studies of Engineering Manipal University Member, DASA 2015 Implementation & Technical Committee DASA 2015 coordinated by MNIT Jaipur Leveraging Technology for effective teaching, Keynote talk, National Conference on Outcome based Education, NITK Surathkal January 17, 2015 Technology enabled learning, Faculty Development Program, MIT Manipal, December 4, 2014
Muralidhar Kulkarni, Ph.D.	Member, BOS Dept. of E & C, Dr. Ambedkar Institute of Technology, Bangalore. Member of Engineering and Technical Accreditation Evaluation Committee, National Board of Accreditation, AICTE Member, Board of Governors, Malnad College of Engineering, Hassan. Member, Academic Council, NIE Mysore Joint Secretary (Research and Academics), Vice Chair, IET (UK), Bangalore Local Network Member, Board of Studies, Department of Electronics & Communication Engineering, UVCE, Bangalore University Member, Board of Studies, Department of Electronics & Communication Engineering RVCE, Bangalore Member, Board of Studies, Department of Electronics & Communication Engineering, SIT, Tumkur, Karnataka Vice Chairman, IET(UK), Local Network, Joint Secretary Bangalore (Research and Academics) Delivered a technical talk on "How to orient oneself to research Methodologies" after presiding over as Chief Guest, Canara Engineering College, Mangalore, 19th August 2014 Inaugurated the National Conference on Advances in Communication and Signal Processing NCACSP-2014 as the Chief Guest, later gave a key note address on 'Research Challenges in Free Space Optical Communications', Department of Electronics and Communication Engineering, SJEC, Mangalore, 13th August 2014
Ramesh Kini M, Ph.D.	Delivered lecture on Advances in Signal Processing and its implementation using VLSI, PA College of Engg, Mangalore, 23rd Jan 2014
Deepu Vijayasenana, Ph.D.	Delivered lecture on Recent Advancements in Machine Learning, Central University of Kerala, Kasaragod December, 2014 Delivered lecture on The Art of Data compression, College of

	Engineering, Vadakara, October, 2014
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Department of Information Technology

Name of Staff/Faculty	Assignment/Recognition/Award
Geetha V	Best Paper Award "Identification of Parameters for Trust Management in Wireless Sensor Networks" Eighth International Conference on Communication Networks (ICCN 2014), 26 th -27 th July 2014, pp. 154-161.
Sowmya Kamath	Best Paper Award "NLP based Intelligent News Search Engine using Information Extraction from E-Newspapers", at 2014 IEEE International Conference on Computational Intelligence and Computing Research (ICIC), during 18 -20th of December, 2014, organized by IEEE Podhigai, Madras Section and IEEE Signal Processing / Computational Intelligence / Computer Joint Societies Chapter (SIPCICOM) of Madras Section. (IEEE Proceedings)

Department of Metallurgical And Materials Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
A. O.Surendranathan, Ph.D.	<ol style="list-style-type: none"> 1. INDIRA GANDHI SADBHAWANA AWARD for outstanding achievements and contributions in my field of activities by International Business Council, Delhi 2. BHARAT EXCELLENCE AWARD" AND GOLD MEDAL (Certificate of Excellence & Felicitation) for the year 2014 by FRIENDSHIP FORUM (Regd.), New Delhi 3. RAJIV GANDHI ACHIEVERS'S AWARD FOR EDUCATION EXCELLENCE by the International Business Council, New Delhi 4. RASHTRA RATAN AWARD by the ACHIEVER'S ASSOCIATION FOR ECONOMIC RESEARCH & DEVELOPMENT, Delhi. 5. Glory of India Award by India International Friendship Society, New Delhi
Sreeram K. Kalpathy	<u>Marquis Who's Who in the World 2015</u>

16 STUDENT PLACEMENTS

16.1 PLACEMENT

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

Highlights

The year 2014-15 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. 218 Companies visited NITK Surathkal for Campus Recruitments.
2. 62 Companies participated in the Placement process for the first time.
3. 767 students were placed – 560 B.Techs, 141 M.Techs, 53 MCAs, and 13 MBAs.

PLACEMENT DETAILS 2014-15 :-

SL. NO.	NAME OF THE COMPANY	TOTAL PLACED	PAY PACKAGE (Rs. in lakhs p.a.)	
			UG	PG
1	MICROSOFT, HYD	3	17	17
2	BAJAJ AUTO, PUNE	3	7	-
3	AMAZON, B'LORE	4	23.5	24
4	CODE NATION, B'LORE	3	24	24
5	QUALCOMM, B'LORE	9	11.75	12.4
6	D E SHAW SOFTWARE, HYD	0	18.6	18.6
7	MYNTRA DESIGN, B'LORE	4	19	-
8	ADOBE SYSTEMS, B'LORE	3	17.61	-

9	HINDUSTAN UNILEVER, MUMBAI	4	9.6	-
10	TEXAS INSTRUMENTS, B'LORE	5	11.9	12.75
11	WORKS APPLICATIONS, B'LORE	1	35	35
12	NVIDIA, B'LORE	4	10	11.88
13	CITRIX R&D, B'LORE	4	16.23	-
14	INTUIT, B'LORE	11	16.2	-
15	ARM BMBEDDED, B'LORE	3	11	-
16	GOLDMAN SACHES, B'LORE	7	13	13
17	MORGAN STANLEY, MUMBAI	5	13.4	13.98
18	COMMVault, B'LORE	2	13.5	13.5
19	DELL R&D, B'LORE	5	6.75	10.2
20	NETAPP, B'LORE	2	10	11
21	SANDVINE TECH, B'LORE	2	10.5	10.5
22	ORACLE, B'LORE	31	12	12
23	GAURI TECH, MUMBAI	2	-	12
24	MARUTI SUZUKI, N DELHI	0	5.6	-
25	SERVICE NOW, B'LORE	2	14.52	14.52
26	FIDELITY, B'LORE	15	10	-
27	CITICORP, MUMBAI	24	11.5	11.5
28	SANDISK, B'LORE	5	11.39	12.74
29	MCAFEE S.W, B'LORE	4	9.25	9.91
30	WOOQER S.W, B'LORE	1	17	17
31	TECHNOVATE, B'LORE	1	7	-
32	LINKEDIN, B'LORE	2	19.25	-
33	CAVIUM NETWORKS, B'LORE	1	8.5	8.5
34	RIVERBED TECH, B'LORE	2	-	10
35	SCHNEIDER ELECTRIC, B'LORE	0	4.75	-
36	ACCOLITE S.W., B'LORE	2	10	10
37	GOOGLE, B'LORE	0	21.5	21.5
38	THOROGOOD, B'LORE	5	11	11
39	CAPITAL ONE, B'LORE	2	11.98	-
40	ITTIAM SYSTEMS, B'LORE	4	7.5	8
41	FUTURES FIRST, B'LORE	4	8.9	-
42	L&T CONSTN., CHENNAI	33	5	5.13
43	CREDIT SUISSE, MUMBAI	8	9.75	9.75
44	TERADATA, HYD	0	6	9
45	J P MORGAN, B'LORE	2	12	-
46	NATIONAL INSTRUMENTS, B'LORE	1	8.1	8.9
47	C A TECH, B'LORE	3	8	8
48	ARYAKA NETWORKS, B'LORE	3	-	8
49	MAQ SOFTWARE, B'LORE	2	7	7
50	ERNST & YOUNG, B'LORE	2	3.68	3.68
51	MU-SIGMA, B'LORE	38	6	6

52	CERNER, B'LORE (Internship)	*	-	5
53	Z S ASSOCIATES, PUNE	17	6.68	-
54	ARISTA NETWORKS, B'LORE	2	12.92	-
55	EXL SERVICES, B'LORE	10	6.25	-
56	DIEBOLD SYSTEMS, MUMBAI	5	7	-
57	AVAYA INDIA, B'LORE	7	8.5	-
58	SAPIENT, B'LORE	4	4.5	4.5
59	SAMSUNG R&D, B'LORE	21	15	15
60	TEK SYSTEMS, B'LORE	5	6	-
61	C-DOT, B'LORE	3	9.4	9.4
62	TEMENOS INDIA, CHENNAI	3	6.41	-
63	HSBC, B'LORE	11	6.5	-
64	AMADEUS S.W, B'LORE	4	7.69	-
65	VERITY KNOWLEDGE, HYD	4	6.08	6.08
66	CYPRESS SEMICONDUCTOR, B'LORE	6	-	10.6
67	FLIPKART, B'LORE	4	15	15
68	WALMART LABS, B'LORE	3	19.15	19.87
69	PEPSICO, B'LORE	2	6	-
70	CARGIL BUSINESS, B'LORE	1	4.8	-
71	SABRE, B'LORE	4	8	8
72	FRACTAL ANALYTICS, MUMBAI	3	6	-
73	ZOHO CORPORATION, B'LORE	2	6.6	6.6
74	ANZ OPERATION, B'LORE	1	6	-
75	TCS, B'LORE	75	3.17	3.3
76	OPEN SYSTEMS, B'LORE	0	-	3
77	XEROX INIDIA, B'LORE	0	17	-
78	THINK & LEARN, B'LORE	4	7	7
79	IBM, B'LORE	21	3.15	3.47
80	POLARIS, CHENNAI	2	4.5	-
81	SAP LAB, B'LORE	4	8.5	8.5
82	TESCO, B'LORE	3	4.86	-
83	ROBERT BOSCH, B'LORE	14	4.5	4.75
84	SUCCESS FACTORS, B'LORE	2	8	8
85	3D PLM SOFTWARE, B'LORE	2	4.75	4.85
86	INDIAN NAVY, MUMBAI	*	7.92	-
87	CRIMSON LOGIC, B'LORE	2	5.5	-
88	ONE CONVERGENCE, HYD	6	-	5
89	G E INDIA, B'LORE	1	-	8.8
90	LATENT VIEW, HYD	10	4.5	4.5
91	ALTISOURCE, B'LORE	3	11	-
92	MAHINDRA & MAHINDRA, MUMBAI	3	5.3	-
93	COMPROTECH, B'LORE	0	5.5	-
94	NESTLE INDIA, GURGAON	3	6	-

95	SIEMENS TECH, B'LORE	3	4.25	4.75
96	TCE, B'LORE	8	-	5
97	L&T, MUMBAI	4	4.87	-
98	HARMAN INTERNATIONAL, B'LORE	5	6	-
99	HERO MOTOCORP, N DELHI	5	6.5	-
100	WIPRO TECH, B'LORE	6	7	-
101	TEACH FOR INDIA, B'LORE	*	3.1	3.1
102	AVERY DENNISON, B'LORE	0	7	-
103	HEXAGON, HYD	2	4.3	4.6
104	SIGMOID ANALYTICS, B'LORE	0	5	5
105	ALCATEL-LUCENT, B'LORE	7	6.5	-
106	BROWSER STACK, B'LORE	0	15	-
107	BHARAT FORGE, PUNE	4	4.5	-
108	AFFINE ANALYTICS, B'LORE	4	6	6
109	GEP SOLUTIONS, MUMBAI	1	7	-
110	AKS SOFTWARE, NOIDA	2	7.23	-
111	UHDE INDIA, MUMBAI	4	4.1	-
112	MURUGAPPA GROUP, CHENNAI	2	4.25	-
113	HP R&D, B'LORE	0	10.05	-
114	L&T HYDROBARBON, MUMBAI	2	-	5.03
115	ESSENTIAL ENERGY, B'LORE	3	5.5	10
116	V E COMMERCIAL VEHICLES, CHENNAI	4	5	-
117	TATA TECH, PUNE	7	4	5
118	AVANTI LEARNING. B'LORE	1	6	-
119	RETAILON, B'LORE	4	5.5	5.5
120	TOTAL ENVIRONMENT, B'LORE	5	4.5	4.5
121	ORANGE COUNTY, B'LORE	1	-	3
122	DAIMLER INDIA, CHENNAI	0	4.5	-
123	LUPIN LTD, MUMBAI	5	5.5	-
124	CENTURY LINK, B'LORE	1	6	-
125	VA TECH WABAG, CHENNAI	2	4.1	4.4
126	MERCEDES BENZ, B'LORE	6	-	6.5
127	TATA MOTORS, MUMBAI	14	6.16	8.06
128	HIL LTD, MUMBAI	2	4.5	-
129	SIDVIN CORETECH, B'LORE	5	-	4.7
130	SAIPEM INDIA, CHENNAI	5	3	-
131	HONDA MOTORCYCLE, DELHI	3	6.71	-
132	IBM-ISL, B'LORE	3	-	11
133	RELIANCE INDS., MUMBAI	18	5.5	-
134	GRAIL RESEARCH, NOIDA	3	6.5	-
135	PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT	2	-	6

136	INFORMATICA, B'LORE	1	10.4	10.4
137	EXXONMOBIL, GURGAON	2	8.78	-
138	TATA POWER, MUMBAI	3	5.1	-
139	HOSPIRA HEALTHCARE, CHENNAI	4	-	7.5
140	i-CREATE SOFTWARE, B'LORE	8	4	-
141	ROBOSOFT, UDUPI	1	-	4.5
142	TOYOTA KIRLOSKAR, B'LORE	0	6	-
143	PHILIPS LTD., CHENNAI	1	-	6
144	PURPLLE.COM, MUMBAI	1	7	-
145	HEALTHIFYME,	0	6	6
146	CONVERGYTICS, B'LORE	2	6	6
147	AMDOCS, PUNE	4	4.2	4.2
148	INFINEON TECH, B'LORE	2	10.43	-
149	BOSCH LTD, B'LORE	3	4.7	-
150	NOKIA SOLUTIOS, B'LORE	3	6.5	7
151	ODESSA TECH, B'LORE	1	-	6
152	L&T RAMBOLL, CHENNAI	4	-	3.4
153	GODREJ & BOYCE MFG, MUMBAI	0	5	-
154	SAINT GOBASIN, CHENNAI	0	5	-
155	INFINITI RESEARCH, B'LORE	2	-	4
156	DRDO, N. DELHI	2	6.8	-
157	09 SOLUTIONS, B'LORE	5	6.1	-
158	IDEA CELLULAR, MUMBAI	1	5	5
159	MISYS S.W, B'LORE	3	5.22	5.22
160	CYIENT LTD, HYD	2	2.75	3.5
161	HIKAL LTD, MUMBAI	2	6	-
162	COCA-COLA, B'LORE	2	7	-
163	URBAN ONLINE SERVICES, B'LORE	0	4.5	4
164	VIRTUSA CORPN., B'LORE	4	5	3.3
165	HINDALCO, MUMBAI	0	4.5	-
166	ACG PHARMA, PUNE	2	4.5	-
167	METRIC STREAM, B'LORE	2	5.5	5.5
168	PIDILITE INDS., MUMBAI	4	4	-
169	SNAPDEAL, B'LORE	5	18	-
170	PRACTO TECH, B'LORE	2	15	15
171	TITAN CO., HOSUR	0	4.7	-
172	ZIVAME.COM, B'LORE	1	6	6
173	AAKASH INSTITUTE, N. DELHI	3	7.2	7.2
174	RAMCO SYSTEMS, CHENNAI	3	5	-
175	EXPICIENT S.W., B'LORE	2	5	5
176	AXIS BANK, MUMBAI	3	-	3.5
177	PHOENIX, NAGPUR	0		-
178	ATKINS, B'LORE	3	5.34	5.34

179	TATA HITACHI, JAMSHEDPUR	1	6.9	-
180	LINDE INDIA, KOLKATA	0	5.5	-
181	TEJAS NETWORKS, B'LORE	2	6.8	7.2
182	JOHNSON CONTRLS, B'LORE	2	3.25	-
183	JSW STEEL, BELLARY	3	4.25	-
184	HOUSING.COM, B'LORE	0	16	-
185	VISA, MUMBAI	9	13	16
186	ARICENT, NOIDA	0	3.5	3.5
187	URBAN LADER, B'LORE	1	18	-
188	MERU CAB, HYD	2	3.5	3.5
189	COUP DUNIA, MUMBAI	0	10	10
190	U B LTD., B'LORE	2	4.5	-
191	AMADA, B'LORE	0	4	-
192	TECHNIP INDIA, CHENNAI	1	-	6
193	NAUVATA ENGG., B'LORE	0	-	3.5
194	BPCL, MUMBAI	4	11	-
195	RESONANCE ADVENTURES, KOTA	1	4.8	4.8
196	FUTURE SUPPLY CHAIN, MUMBAI	2	3.5	-
197	THE SANDUR MANGANESE, BELLARY	1	3.6	3.6
198	CSC, B'LORE	3	7.55	7.55
199	SYNERGY PROPERTY, B'LORE	4	4.5	4.5
200	EVIVE SOFTWARE, B'LORE	2	4.5	4.5
201	SONATA SOFTWARE, B'LORE	4	4	4
202	STAYZILLA, CHENNAI	3	10	-
203	CARTESIAN CONSULTING, MUMBAI	0	4.18	-
204	JUST UNFOLLOW, B'LORE	2	21	-
205	KALKI COMMUNICATION, B'LORE	0	4.5	-
206	L&W CONSTRUCTION, B'LORE	3	6	6
207	COCUBES.COM, GURGAON	*	7.5	-
208	CAPITALVIA, GURGAON	3	-	4.07
209	SUN ROUTE ASSOCIATES, GURGAON	0	3.5	-
210	VIGNAN UNIVERSITY, HYD	*	-	6
211	SIEMENS LTD, MUMBAI	1	5.5	-
212	MAGNETI MARELLI, GURGAON	*	4.5	4.5
213	AL FARA'A GROUP, UAE	*	6	-
214	ALSHAYA SOFTWARE, B'LORE	0	5	-
215	159 SOLUTIONS, CHENNAI	*	5	-
216	ABOVE SOLUTIONS, B'LORE	*	4	4
217	METTL-PRODUCT, NOIDA	*	6	6
218	SYMANTEC SOFTWARE, B'LORE	*	11.45	11.9

COMPANIES : 218**TOTAL JOBS : 863**

NEW ORGANIZATIONS VISITED NITK IN 2014-15 : 62** Final Results awaited***BRANCHWISE PLACEMENTS 2014-15 :**

UNDERGRADUATES		
BRANCH	TOTAL ELIGIBLE STUDENTS	PLACED
CIVIL	77	57
CHEMICAL	35	26
COMPUTER	93	87
E & C	94	80
E & E	95	86
IT	83	78
MECHANICAL	120	106
METALLURGY	33	25
MINING	28	15
TOTAL (B.TECH)	658	560
POSTGRADUATES		
STRUCTURAL ENGG.	27	17
GEO TECH.	13	2
ENVIRONMENTAL	23	3
TRANSPORTATION SYSTEM	24	2
CONSTRUCTION TECH & MGMT	22	4
MARINE STRUCTURES	21	7
WATER RESOURCE ENGG & MGMT	10	0
REMOTE SENSING & GIS	18	2
INDUSTRIAL POLLUTION CONTROL	17	2
CHEMICAL PLANT DESIGN	5	0
INDUSTRIAL BIOTECHNOLOGY	14	2
COMPUTER SCIENCE & ENGG	27	24
INFORMATION SECURITY	21	13
VLSI	22	7
COMMUNICATION ENGG	23	2
POWER & ENERGY SYSTEM	23	8
INFORMATION TECHNOLOGY	23	20
THERMAL ENGG	14	1
MANUFACTURING ENGG	11	3
MECHATRONICS	22	6
DESIGN & PRECISION ENGG	12	3
PROCESS MET.	8	1
MATERIALS ENGG.	22	1
NANOTECHNOLOGY	7	0
S A C A	20	10
TOTAL (M.TECH)	449	140
MCA	81	53

MBA	26	13
M.Sc(Chemistry)	19	0
M.Sc(Physics)	21	0
TOTAL	1254	766

***TOTAL NO. OF PLACEMENTS - 863**

(with 97 students getting placed in two companies)

PLACEMENT BREAKUP 2014-15					
Sl. No.	Name of Company	Date of visit	No. of Students Placed	Branchwise breakup	
				UG	PG
1	MICROSOFT, HYD	Aug. 01, 2014	3	CS 02, I.T 01	-
2	BAJAJ AUTO, PUNE	Aug. 01, 2014	3	MECH	-
3	AMAZON, B'LORE	Aug. 01, 2014	4	CS 03	CS 01
4	CODE NATION, B'LORE	Aug. 02, 2014	3	CS 03	-
5	QUALCOMM, B'LORE	Aug. 02, 2014	9	CS 01, ECE 05, EEE 02	ECE 01
6	D E SHAW SOFTWARE, HYD	Aug. 03, 2014	0	-	-
7	MYNTRA DESIGN, B'LORE	Aug. 03, 2014	4	CS 02, ECE 02	-
8	ADOBE SYSTEMS, B'LORE	Aug. 03, 2014	3	CS 01, I.T 02	-
9	HINDUSTAN UNILEVER, MUMBAI	Aug. 04, 2014	4	CHEM 02, MECH 02	-
10	TEXAS INSTRUMENTS, B'LORE	Aug. 04, 2014	5	ECE 04, EEE 01	-
11	WORKS APPLICATIONS, B'LORE	Aug. 04, 2014	1	I.T 01	-
12	NVIDIA, B'LORE	Aug. 05, 2014	4	ECE 02	CS 01, MCA 01
13	CITRIX R&D, B'LORE	Aug. 05, 2014	4	CS 03, I.T 01	-
14	INTUIT, B'LORE	Aug. 05, 2014	11	CS 08, I.T 03	-
15	ARM EMBEDDED, B'LORE	Aug. 05, 2014	3	ECE 03	-
16	GOLDMAN SACHES, B'LORE	Aug. 06, 2014	7	CS 02, ECE 02, MECH 01	MCA 02
17	MORGAN STANLEY, MUMBAI	Aug. 06, 2014	5	CS 01, EEE 01, I.T 01	I.T 01, MCA 01
18	COMMVAULT, B'LORE	Aug. 06, 2014	2	CS 01	CS 01
19	DELL R&D, B'LORE	Aug. 07, 2014	5	I.T 01	CS 04
20	NETAPP, B'LORE	Aug. 07, 2014	2	CS 01, ECE 01	-
21	SANDVINE TECH, B'LORE	Aug. 08, 2014	2	I.T 02	-
22	ORACLE, B'LORE	Aug. 09, 2014	31	CIVIL 02, CHEM 01, CS 03, ECE 03, EEE 03, I.T 05	CS 07, ECE 01, I.T 04, MCA 01, SACA 01
23	GAURI TECH, MUMBAI	Aug. 09, 2014	2	-	MCA 02
24	MARUTI SUZUKI, N DELHI	Aug. 09, 2014	0	-	-
25	SERVICE NOW, B'LORE	Aug. 11, 2014	2	CS 01, I.T 01	-
26	FIDELITY, B'LORE	Aug. 10, 2014	15	CS 06, ECE 04, EEE 03, I.T 02	-
27	CITICORP, MUMBAI	Aug. 11, 2014	24	CS 03, ECE 02, EEE 09, I.T 05, MIN 01	CS 01, SACA 01, MCA 02
28	SANDISK, B'LORE	Aug. 12, 2014	5	ECE 03, EEE02	-

29	MCAFFEE S.W, B'LORE	Aug. 13, 2014	4	CS 01, I.T 01	MCA 02
30	WOOQER S.W, B'LORE	Aug. 14, 2014	1	-	I.T 01
31	TECHNOVATE, B'LORE	Aug. 14, 2014	1	I.T 01	-
32	LINKEDIN, B'LORE	Aug. 14, 2014	2	CS 02	-
33	CAVIUM NETWORKS, B'LORE	Aug. 15, 2014	1	-	CS 01
34	RIVERBED TECH, B'LORE	Aug. 15, 2014	2	-	CS 01, I.T 01
35	SCHNEIDER ELECTRIC, B'LORE	Aug. 17, 2014	0	-	-
36	ACCOLITE S.W., B'LORE	Aug. 18, 2014	2	CS 01, I.T 01	-
37	GOOGLE, B'LORE	Aug. 18, 2014	0	-	-
38	THOROGOOD, B'LORE	Aug. 19, 2014	5	CIVIL 01, ECE 01, EEE 01, MECH 01	MCA 01
39	CAPITAL ONE, B'LORE	Aug. 19, 2014	2	EEE 01, MIN 01	-
40	ITTIAM SYSTEMS, B'LORE	Aug. 20, 2014	4	ECE 02, EEE 01	CS 01
41	FUTURES FIRST, B'LORE	Aug. 20, 2014	4	CIVIL 01, CS 01, MECH 01, MIN 01	-
42	L&T CONST., CHENNAI	Aug. 20, 2014	33	CIVIL 14, EEE 02, MECH 05	CIVIL 12
43	CREDIT SUISSE, MUMBAI	Aug. 21, 2014	8	CS 02, ECE 01, EEE 02, I.T 03	-
44	TERADATA, HYD	Aug. 21, 2014	0	-	-
45	J P MORGAN, B'LORE	Aug. 22, 2014	2	CS 02	-
46	NATIONAL INSTRUMENTS, B'LORE	Aug. 22, 2014	1	CO 01	-
47	C A TECH, B'LORE	Aug. 22, 2014	3	EEE01, I.T 01	MCA 01
48	ARYAKA NETWORKS, B'LORE	Aug. 23, 2014	3	-	CS 02, I.T 01
49	MAQ SOFTWARE, B'LORE	Aug. 23, 2014	2	CS 01, I.T 01	-
50	ERNST & YOUNG, B'LORE	Aug. 25, 2014	2	-	MCA 02
51	MU-SIGMA, B'LORE	Aug. 25, 2014	38	CIVIL 03, CHEM 03, CS 04, ECE 02, EEE 09, I.T 05, MECH 06, MET 02, MIN 02	R.S 01, SACA 01
52	CERNER, B'LORE (Internship)	Aug. 26, 2014	7	-	MCA 07
53	Z S ASSOCIATES, B'LORE	Aug. 26, 2014	17	CIVIL 03, CHEM 01, ECE 02, EEE 05, I.T 01, MECH 02, MET 02, MIN 01	-
54	ARISTA NETWORKS, B'LORE	Aug. 26, 2014	2	CS 02	-
55	EXL SERVICES, B'LORE	Aug. 27, 2014	10	CIVIL 01, ECE 02, EEE 01, MECH 04, MET 01, MIN 01	-
56	DIEBOLD SYSTEMS, MUMBAI	Aug. 27, 2014	5	CS 01, ECE 02, I.T 02	-
57	AVAYA INDIA, B'LORE	Aug. 28, 2014	7	ECE 01, I.T 02	MCA 04
58	SAPIENT, B'LORE	Aug. 30, 2014	4	-	MCA 04
59	SAMSUNG R&D, B'LORE	Aug. 30, 2014	21	CS 11, ECE 02, I.T 06	MCA 02
60	TEK SYSTEMS, B'LORE	Sept. 01, 2014	5	CS 01, ECE 01, I.T 03	-

61	C-DOT, B'LORE	Sept. 01, 2014	3	CS 02	CS 01
62	TEMENOS INDIA, CHENNAI	Sept. 02, 2014	3	ECE 01, EEE 01, I.T 01	-
63	HSBC, B'LORE	Sept. 02, 2014	11	CIVIL 03, CHEM 01, CS 01, EEE 04, MECH 01, MIN 01	-
64	AMADEUS S.W, B'LORE	Sept. 04, 2014	4	CS 02, ECE 01, I.T 01	-
65	VERITY KNOWLEDGE, HYD	Sept. 05, 2014	4	MECH 02, MET 01	CHEM 01
66	CYPRESS SEMICONDUCTOR, B'LORE	Sept. 11, 2014	6	-	CS 01, ECE 03, MECH 02
67	FLIPKART, B'LORE	Sept. 13, 2014	4	CS 03, I.T 01	-
68	WALMART LABS, B'LORE	Sept. 15, 2014	3	CS 03	-
69	PEPSICO, B'LORE	Sept. 15, 2014	2	CHEM 01, MECH 01	-
70	CARGIL BUSINESS, B'LORE	Sept. 15, 2014	1	I.T 01	-
71	SABRE, B'LORE	Sept. 16, 2014	4	I.T 01	MCA 03
72	FRACTAL ANALYTICS, MUMBAI	Sept. 17, 2014	3	CIVIL 01, CHEM 01, EEE 01	-
73	ZOHO CORPORATION, B'LORE	Sept. 18, 2014	2	-	MCA 02
74	ANZ OPERATION, B'LORE	Sept. 18, 2014	1	I.T 01	-
75	TCS, B'LORE	Sept. 19, 2014	75	CIVIL 03, CS 01, ECE 09, EEE 12, I.T 05, MECH 05, MET 06, MIN 03	CS 06, ECE 01, EEE 03, I.T 02, SACA 04, MCA 15
76	OPEN SYSTEMS, B'LORE	Sept. 20, 2014	0	-	-
77	XEROX INDIA, B'LORE	Sept. 20, 2014	0	-	-
78	THINK & LEARN, B'LORE	Sept. 20, 2014	4	CHEM 01, I.T 01, MECH 01, MET 01	-
79	IBM, B'LORE	Sept. 21, 2014	21	CS 1, ECE 01, EEE 03, I.T 01, MECH 02, MET 02	CIVIL 01, CHEM 01, CS 01, ECE 01, MECH 02, SACA 02, MCA 03
80	POLARIS, CHENNAI	Sept. 23, 2014	2	ECE 02	-
81	SAP LAB, B'LORE	Sept. 23, 2014	4	ECE 01, EEE 01, MECH 01	CS 01
82	TESCO, B'LORE	Sept. 24, 2014	3	CS 02, I.T 01	-
83	ROBERT BOSCH, B'LORE	Sept. 25, 2014	14	ECE 03, EEE 05, MECH 03	MBA 03
84	SUCCESS FACTORS, B'LORE	Sept. 25, 2014	2	I.T 01	I.T 01
85	3D PLM SOFTWARE, B'LORE	Sept. 26, 2014	2	CS 01, MET 01	-
86	INDIAN NAVY, MUMBAI	Sept. 26, 2014	*	-	-
87	CRIMSON LOGIC, B'LORE	Sept. 27, 2014	2	ECE 01, EEE 01	-
88	ONE CONVERGENCE, HYD	Sept. 27, 2014	6	-	CS 01, I.T 01, SACA 02, MCA 02
89	G E INDIA, B'LORE	Sept. 29, 2014	1	-	ECE 01

90	LATENT VIEW, HYD	Sept. 29, 2014	10	CIVIL 04, CHEM 01, EEE 01, MET 01, MIN 01	MCA 01
91	ALTISOURCE, B'LORE	Sept. 30, 2014	3	EEE 01, I.T 02	-
92	MAHINDRA & MAHINDRA, MUMBAI	Sept. 30, 2014	3	MECH 03	-
93	COMPROTECH, B'LORE	Sept. 30, 2014	0	-	-
94	NESTLE INDIA, GURGAON	Oct 01, 2014	3	EEE 01, MECH 02	-
95	SIEMENS TECH, B'LORE	Oct 06, 2014	3	ECE 01, EEE 02	-
96	TCE, B'LORE	Oct 06, 2014	8	-	CIVIL 7, EEE 01
97	L&T, MUMBAI	Oct 06, 2014	4	MECH 04	-
98	HARMAN INTERNATIONAL, B'LORE	Oct 07, 2014	5	CO 02, ECE 02, I.T 01	-
99	HERO MOTOCORP, N DELHI	Oct 08, 2014	5	ECE 01, MECH 04	-
100	WIPRO TECH, B'LORE	Oct 09, 2014	6	ECE 02, EEE 01, I.T 02, MECH 01	-
101	TEACH FOR INDIA, B'LORE	Oct 09, 2014	*		
102	AVERY DENNISON, B'LORE	Oct 10, 2014	0	-	-
103	HEXAGON, HYD	Oct 10, 2014	2	CIVIL 01, MECH 01	-
104	SIGMOID ANALYTICS, B'LORE	Oct 10, 2014	0	-	-
105	ALCATEL-LUCENT, B'LORE	Oct 10, 2014	7	CS 02, ECE 01, I.T 1	CS 01, I.T 02
106	BROWSER STACK, B'LORE	Oct 10, 2014	0	-	-
107	BHARAT FORGE, PUNE	Oct 11, 2014	4	MET 04	-
108	AFFINE ANALYTICS, B'LORE	Oct 13, 2014	4	CIVIL 01, MET 02	CIVIL 01
109	GEP SOLUTIONS, MUMBAI	Oct 13, 2014	1	ECE 01	-
110	AKS SOFTWARE, NOIDA	Oct 13, 2014	2	CS 02	-
111	UHDE INDIA, MUMBAI	Oct 13, 2014	4	CIVIL 04	-
112	MURUGAPPA GROUP, CHENNAI	Oct 14, 2014	2	CHE 01, MECH 01	-
113	HP R&D, B'LORE	Oct 14, 2014	0	-	-
114	L&T HYDROCARBON, MUMBAI	Oct 14, 2014	2	-	CIVIL 02
115	ESSENTIAL ENERGY, B'LORE	Oct 16, 2014	3	EEE 01	EEE 02
116	V E COMMERCIAL VEHICLES, CHENNAI	Oct 16, 2014	4	MECH 04	-
117	TATA TECH, PUNE	Oct 20, 2014	7	MECH 05	MECH 02
118	AVANTI LEARNING. B'LORE	Oct 21, 2014	1	EEE 01	-
119	RETAILON, B'LORE	Oct 27, 2014	4	-	I.T 03, MCA 01
120	TOTAL ENVIRONMENT, B'LORE	Oct 27, 2014	5	CIVIL 03	CIVIL 02
121	ORANGE COUNTY, B'LORE	Oct 27, 2014	1	-	MBA 01
122	DAIMLER INDIA, CHENNAI	Oct 29, 2014	0		-
123	LUPIN LTD, MUMBAI	Oct 30, 2014	5	CHEM 02, MECH 03	-
124	CENTURY LINK, B'LORE	Oct 31, 2014	1	ECE 01	-
125	VA TECH WABAG, CHENNAI	Oct 31, 2014	2	CIVIL 01, MECH 01	-
126	MERCEDES BENZ, B'LORE	Oct 31, 2014	6	-	MECH 04, MET 01, MECH 01
127	TATA MOTORS, MUMBAI	NOV 03, 2014	14	EEE 02, MECH 08, MET 03	CIVIL 01
128	HIL LTD, MUMBAI	NOV 05, 2014	2	CHEM 01, EEE 01	-

129	SIDVIN CORETECH, B'LORE	NOV 07, 2014	5	-	CIVIL 05
130	SAIPEM INDIA, CHENNAI	NOV 12, 2014	5	CIVIL 01, EEE 02, MECH 02	-
131	HONDA MOTORCYCLE, DELHI	NOV 13, 2014	3	MECH 03	-
132	IBM-ISL, B'LORE	NOV 13, 2014	3	-	CS 02, I.T 01
133	RELIANCE INDS., MUMBAI	NOV 13, 2014	18	CHEM 06, EEE 03, MECH 06, MET 03	-
134	GRAIL RESEARCH, NOIDA	NOV 14, 2014	3	CIVIL 01, ECE 01, MECH 01	-
135	PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT	NOV 17, 2014	2	-	MECH 02
136	INFORMATICA, B'LORE	NOV 17, 2014	1	-	MCA 01
137	EXXONMOBIL, GURGAON	NOV 18, 2014	2	CHEM 01, MECH 01	-
138	TATA POWER, MUMBAI	NOV 19, 2014	3	EEE 02, MECH 01	-
139	HOSPIRA HEALTHCARE, CHENNAI	NOV 20, 2014	4	-	CHEM 01, MECH 03
140	i-CREATE SOFTWARE, B'LORE	NOV 20, 2014	8	CIVIL 01, CS 01, ECE 02, EEE 01, I.T 01, MIN 02	-
141	ROBOSOFT, UDUPI	NOV 21, 2014	1	-	MBA 01
142	TOYOTA KIRLOSKAR, B'LORE	NOV 22, 2014	0	-	-
143	PHILIPS LTD., CHENNAI	NOV 24, 2014	1	-	EEE 01
144	PURPLLE.COM, MUMBAI	NOV 29, 2014	1	I.T 01	-
145	HEALTHIFYME,	NOV 29, 2014	0	-	-
146	CONVERGYTICS, B'LORE	NOV 30, 2014	2	ECE 01, EEE 01	-
147	AMDOCS, PUNE	DEC 03, 2014	4	CS 01, I.T 01	CS 02
148	INFINEON TECH, B'LORE	DEC 04, 2014	2	ECE 02	-
149	BOSCH LTD, B'LORE	DEC 05, 2014	3	M3DH 03	-
150	NOKIA SOLUTIOS, B'LORE	DEC 05, 2014	3	ECE 01, I.T 01	CS 01
151	ODESSA TECH, B'LORE	DEC 12, 2014	1	-	I.T 01
152	L&T RAMBOLL, CHENNAI	DEC 15, 2014	4	-	CIVIL 04
153	GODREJ & BOYCE MFG, MUMBAI	DEC 17, 2014	0	-	-
154	SAINT GOBAIN, CHENNAI	DEC 22, 2014	0	-	-
155	INFINITI RESEARCH, B'LORE	DEC 22, 2014	2	-	MBA 02
156	DRDO, N. DELHI	JAN 04, 2015	2	MECH 02	-
157	09 SOLUTIONS, B'LORE	JAN 05, 2015	5	CIVIL 01, CHEM 01, ECE 02, MIN 01	-
158	IDEA CELLULAR, MUMBAI	JAN 06, 2015	1	-	ECE 01
159	MISYS S.W, B'LORE	JAN 06, 2015	3	ECE 01, MECH 01, MIN 01	-
160	CYIENT LTD, HYD	JAN 07, 2015	2	EEE 01	EEE 01
161	HIKAL LTD, MUMBAI	JAN 08, 2015	2	CHEM 02	-
162	COCA-COLA, B'LORE	JAN 08, 2015	2	MECH 02	-
163	URBAN ONLINE SERVICES, B'LORE	JAN 08, 2015	0	-	-
164	VIRTUSA CORPN, CHENNAI	JAN 09, 2015	4	ECE 01, EEE 01	MCA 02

165	HINDALCO, MUMBAI	JAN 10, 2015	0	-	-
166	ACG PHARMA, PUNE	JAN 12, 2015	2	MECH 02	-
167	METRIC STREAM, B'LORE	JAN 12, 2015	2	-	CS 01, I.T 01
168	PIDILITE INDS., MUMBAI	JAN 13, 2015	4	MECH 04	-
169	SNAPDEAL, B'LORE	JAN 15, 2015	5	CS 03, I.T 02	-
170	PRACTO TECH, B'LORE	JAN 17, 2015	2	CS 01, EEE 01	-
171	TITAN CO., B'LORE	JAN 17, 2015	0	-	-
172	ZIVAME.COM, B'LORE	JAN 18, 2015	1	-	I.T 01
173	AAKASH INSTITUTE, N. DELHI	JAN 19, 2015	3	CIVIL 01, EEE 01	CHEM 01
174	RAMCO SYSTEMS, CHENNAI	JAN 20, 2015	3	ECE 02, EEE 01	-
175	EXPICIENT S.W., B'LORE	JAN 22, 2015	2	-	CS 01, MCA 01
176	AXIS BANK, MUMBAI	JAN 23, 2015	3	-	MBA 03
177	RELIANCE JIO, MUMBAI	JAN 27, 2015	0	-	-
178	ATKINS, B'LORE	JAN 27, 2015	3	-	CIVIL 03
179	TATA HITACHI, JAMSHEDPUR	JAN 28, 2015	1	MECH 01	-
180	LINDE INDIA, KOLKATA	JAN 30, 2015	0	-	-
181	TEJAS NETWORKS, B'LORE	JAN 30, 2015	2	CS 01, I.T 01	-
182	JOHNSON CONTRLS, B'LORE	FEB 03, 2015	2	EEE 02	-
183	JSW STEEL, BELLARY	FEB 04, 2015	3	MET 03	-
184	HOUSING.COM, MUMBAI	FEB 05, 2015	0	-	-
185	VISA, MUMBAI	FEB 05, 2015	9	CS 04, ECE 01	CS 04
186	ARICENT, NOIDA	FEB 05, 2015	0	-	-
187	URBAN LADER, B'LORE	FEB 06, 2015	1	I.T 01	-
188	MERU CAB, HYD	FEB 10, 2015	2	CS 01, I.T 01	-
189	COUPON DUNIA, MUMBAI	FEB 11, 2015	0	-	-
190	UB LTD, B'LORE	FEB 13, 2015	2	MECH 02	-
191	AMADA, B'LORE	FEB 17, 2015	0	-	-
192	TECHNIP INDIA, CHENNAI	FEB 19, 2015	1	-	CIVIL 01
193	NAUVATA ENGG., B'LORE	FEB 19, 2015	0	-	-
194	BPCL, MUMBAI	FEB 22, 2015	4	CHEM 01, MECH 03	-
195	RESONANCE ADVENTURES, KOTA	FEB 23, 2015	1	EEE 01	-
196	FUTURE SUPPLY CHAIN, MUMBAI	FEB 25, 2015	2	MECH 02	-
197	SANDUR GROUP, BELLARY	FEB 26, 2015	1	-	MET 01
198	CSC, B'LORE	FEB 27, 2015	3	-	MCA 03
199	SYNERGY PROPERTY, B'LORE	FEB 27, 2015	4	CIVIL 04	-
200	EVIVE SOFTWARE, B'LORE	MAR 02, 2015	2	-	CS 02
201	SONATA SOFTWARE, B'LORE	MAR 02, 2015	4	CS 01, ECE 01, I.T 02	-
202	STAYZILLA, CHENNAI	MAR 02, 2015	3	CS 02, I.T 01	-
203	CARTESIAN CONSULTING, MUMBAI	MAR 04, 2015	0	-	-
204	JUST UNFOLLOW, B'LORE	MAR 09, 2015	2	CS 02	-
205	KALKI COMMUNICAITON, B'LORE	MAR 11, 2015	0	-	-
206	L&W CONSTRUCTION, B'LORE	MAR 12, 2015	3	CIVIL 02, MECH 01	-
207	COCUBES.COM, GURGAON	MAR 14, 2015	*		

208	CAPITALVIA, GURGAON	MAR 17, 2015	3	-	MBA 03
209	SUN ROUTE ASSOCIATES, GURGAON	MAR 19, 2015	0	-	-
210	VIGNAN UNIVERSITY, HYD	MAR 24, 2015	*	-	
211	SIEMENS LTD, MUMBAI	APRIL 01, 2015	1	EEE 01	-
212	MAGNETI MARELLI, GURGAON	APRIL 04, 2015	*		
213	AL FARA'A GROUP	APRIL 04, 2015	*		-
214	ALSHAYA SOFTWARE, B'LORE	APRIL 07, 2015	0		-
215	159 SOLUTIONS, CHENNAI	APRIL 07, 2015	*		
216	ABOVE SOLUTIONS, B'LORE	APRIL 10, 2015	*		
217	METTL-PRODUCT, NOIDA	APRIL 11, 2015	*		
218	SYMANTEC SOFTWARE, B'LORE	APRIL 13, 2015	*		

*Results awaited

Training Slots for the Academic Year 2014-15

Sl. No.	Branch	No. of Slots
01	Chemical Engineering	98
02	Civil Engineering	60
03	Computer Engineering	66
04	Electronics & Communication Engineering	43
05	Electrical & Electronics Engineering	85
06	Information Technology	50
07	Mechanical Engineering	133
08	Metallurgical & Material Engineering	71
09	Mining Engineering	83
	Total Number of Students	689

Number of Companies : 211	Number of Training Slots : 689
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17 SPECIAL INITIATIVES

17.1 Direct Admission of Students Abroad (DASA)

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

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

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

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

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

17.2 MEMORANDA OF UNDERSTANDING (MOUs)

Date of signing MOU Duration	Organization/Institute
9th March 2015 5 years	Kagoshima University, Japan
28th February 2015 5 years	Faculty of Engineering and Graduate School of Science and Technology, Kumamoto University, Japan
10th February 2015 5 years	Father Muller Medical College
1st December 2014 5 years	National Institute of Technology Agartala, Tripura
26th September 2014 5 years	Kompetenzzentrum Holz GmbH
24th September 2014 5 years	Indian Institute of Technology Madras, Chennai
18th June 2014 5 years	The Indian Navy, New Delhi
15th May 2014 3 years	Management Development Institute, Gurgaon, India (MDI)
14th May 2014	Michigan State University, U. S. A.

Renewed for further period of 5 years	
8th April 2014 5 years	CSIR-National Institute Of Oceanography, Goa

17.3 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.

17.4 Innovations & Technology Transfer

Department of Chemistry

Details of Innovations/patent	Name of faculty/Staff/ students involved
Indian patent filed on June 2014 'Novel synthesis of D-persomine'	Arun M. Isloor, Ph.D.

Department Of Electronics & Communication Engineering

Details of Innovation/Patent	Names of faculty/staff/students involved
"Switched Capacitor Integrator based Successive Approximation Register Analog to Digital Convertor Circuit and Conversion method thereof", applied at Indian Patent Office, Chennai – No. 3549/CHE/2014 dated 18/06/2014.	M Shankaranarayana Bhat, T Laxminidhi Jagadish D. N

17.5 Concessions For SCs, STs, Handicapped Students

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

Concessions Provided For Staff - Nil

17.6 SC/ST CELL

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

The Cell also coordinates Scholarship Schemes for the benefit of the students belonging to SCs/STs category.

- Under the Central Sector Scholarship Scheme for 12 SC students (Ministry of Social Justice and Empowerment) and 5 ST students (Ministry of Tribal Affairs) are providing full financial support for pursuing studies. During academic year 2014-2015, 48 SC students and 19 ST students got benefited.
- To cater the need of academic weaker students and support, Cell arranged the Special Coaching Classes for all theory subjects and Computer Programming Lab for first year B.Tech students belonging to SC/ST/OBCs, Minorities and PWDs.
- Coordinated Ambedkar Jayanthi celebration in the institute.
- To promote qualitative education in Engineering, following schemes drawn under financial assistance to the SC/ST students of the Institute to all academic programs whose family income from all sources doesn't exceed Rs.4.5 lakhs per annum.
 - a) Book allowance- Rs.6000/- (Rs.3000/- per semester).
 - b) Waiver of Hostel Fee (except caution deposit).
 - c) Latest computer with full accessories limited to Rs.45000/- per student as one time assistance.
 - d) Students Academic Performance Incentives (Rs.12,000-00 if CGPA is more than 6.5 and Rs.18,000-00 if CGPA is more than 8.0 in previous year).
- For Employability Enhancement and Entrepreneurship, Professional Skill Enhancement Programme conducted from 30th June to 16th July 2014 for pre final year B.Tech SC/ST students. Around 50 students participated in the programme and Personal Empowerment Programme conducted from 22nd to 29th December 2014 for PG students belonging to SC/ST category. Around 35 students actively participated in the programme and got benefited.
- Institute staff are deputed for various Training programme conducted by The Institute of Public Administration, Bangalore and The National Council for Training & Social Research, New Delhi.

17.7 NSS (National Service Scheme)

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

Mangalore University and Vishvesvaraya Technological University. For the year 2010, the institute has already obtained permission from the Karnataka state NSS unit to have NSS unit which is independent to NIT K Surathkal.

17.8 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. 177 RTI Applications were received during the year 2014-15 (from 01.04.2014 to 31.03.2015).

17.9 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.

17.10 TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)

Introduction: In 2002-03, the Government of India with the financial assistance from the World Bank launched 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 was planned as TEQIP-II with a financial outlay of Rs. 125 million. This was launched in March 2011 with NITK entering into MOU with MHRD for successful implementation of the project. The prime objectives of the project are, scaling up Postgraduate Education, creation of an environment to nurture Demand - Driven Research & Development, encouraging innovation and enhancing existing capacity. This will enable the participating Institutions to become dynamic, demand-driven, quality conscious, efficient and forward looking and capable of supporting rapid economic and technological developments occurring at local, State, National and International levels.

Out of the financial outlay of ` 125 million under TEQIP-II programme, a sum of ` 20.00 million was received on 21-06-2011, ` 41.70 million was received on 06-10-2012, ` 10.00 million was received on 28-03-2014, ` 25.00 million was received in 09-07- 2014 and again ` 25.00 million was received on 23-12-2014. Hence a total of ` 121.70 million has been received up to the end of 31-03-2015. With the above fund flow the targets achieved and those under progress up to the end of March 2015 are as under:

1.	Procurement of Assets (including Books, LR's, software, Equipments and Furniture	` 52.403 million.
2	Providing Teaching and Research Assistantship	` 10.426 million
3	Enhancement of R & D activities	` 1.135 million
4	Faculty and Staff Development	` 9.131 million
5	Enhanced interaction with Industry	` 1.866 million
6	Academic support to week students	` 1.133 million
7	Incremental Operating Cost	` 14.924 million
8	Institutional Management Capacity Enhancement	` 0.428 million
9	Implementation of Institutional Academic Reforms	` 9.355 million
	Total spent up to 31-03-2015	` 100.801 million

Procurement of various items of equipment and software made during the current year is up to ` 127.439 lakhs and up to 31-03-2015 is ` 524.038 lakh.

Twelve Workshops/Seminars involving financial outlay of ` 43.20 lakhs were conducted in various Engineering departments. Eight Expert Lecture programmes, Five National Conferences, Five International Conferences and One Finishing School programme were conducted under Industry Institute Interaction, Faculty and Staff Development and under Enhancement of Research and Development activities. Three meetings i.e. one with VOLVO and two advisory committee meeting were held during this year. A two day conclave of all NIT Directors was held during this year. A one day event entitled VOLVO Day was held in the Institute with participation from the top executives of VOLVO India and all students of NITK. This has led to several National and international Internships offered by VOLVO to students of NITK, Surathkal

(i) Two Peer mentoring programmes for academically weak students of B. Tech. & M. Tech have been conducted in E & C Engineering Department.

(ii) A finishing School for Post Graduate students of E&C Engineering, E&E Engineering and Mechatronics Engineering was held in NITK. A number of eminent resource persons from Industry and one Senior Professor from McMaster University, Canada shared their expertise and knowledge with the students. Courses on Personality Development and Enhancement of Language and Presentation skills were also conducted as part of Finishing School.

(iii) 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.

(iv) A total 32 Faculty members have undertaken foreign visits for Research Interaction (Top 200 Universities in the World as per QS ranking). An expenditure of ` 64.70 lakh was incurred to support this programme.

(v) A total 31 Non-Teaching Staff (including officers) have participated in various training programmes/workshops, personality development programmes held in various Institutes and Professional bodies within 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 period of three years. 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 twice during December 2012 and December 2014 and interacted with all the concerned Nodal Officers, Departments, faculty members Non-Teaching Staff and students. He has submitted a comprehensive report to NPIU. The Performance Auditor appointed by NPIU also visited this Institute and has verified all the relevant data with reference to documentary evidence and submitted a comprehensive report to NPIU.

Annual financial accounts have been audited by a qualified Chartered Accountant as required in guidelines and audit reports thereon have been sent to NPIU. Six-monthly Internal Audit has been done by the Senior Internal Auditor of the Institute in accordance with the guidelines stipulated in Financial Management Manual and reports have been sent to NPIU.

TEQIP-II *Co-Coordinator* and Nodal Officer (Finance and MIS) have attended the 4th JRM meeting during April 2014 in New Delhi. The progress achieved under the project was presented to the authorities and plans for accelerated implementation of various goals under the TEQIP-II project were presented in this meeting.

Nodal Officer (Finance) together with Accounts Officer of TEQIP-II attended one day training programme held in Mumbai on filing of e-FMR by TEQIP-II unit conducted by NPIU.

All the updated MIS information have been uploaded. This has enabled NITK to obtain 100% points earmarked for various elements. Additionally we would like to place on record that NITK and NIT Nagpur are the only two Institutions to have bagged twelve out of twelve points earmarked for various performance indicators under TEQIP-II project.

18 INDUSTRY INSTITUTE INTERACTION

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

The IIP Cell at NITK, Surathkal is engaged in building Institute Industry Collaboration for mutual benefit. The Cell is headed by a faculty member of Associate Professor or above grade supported by a Literate Assistant. The faculty in-charge reports to Dean (P & D)/Director. IIP Cell is mainly involved in handling of Testing and Consultancy works of all the departments and arranging endowment lectures. The Institute Revenue Generation through Testing and Consultancy has been improving substantially. The total revenue through Testing & Consultancy works for the year 2014-15 is Rs. 2.15 crores. IIP Cell has been encouraging industries in the local region to make use of the testing and experimental facilities of the Institute.

18.2 INDUSTRY INSTITUTE COLLABORATION

Department of Civil Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Kirloskar Ferrous Industries, Koppal	R & D	2014 - 2016
L&T Construction, Chennai	Academic, research and training	2014-2019

Department of Computer Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc.)	Period/ Duration
C-DAC Bangalore	Academic and Training	2014-15
Microsoft	Academic and Training	2014-15
IBM	Academic and Training	2014-15
SAP Labs, Bangalore	Academic and Training	2013-2015
DELL, Bangalore	Academic and Training	2013-2015

Father Muller Medical College and National Institute of Technology-Karnataka, Surathkal has signed a Memorandum of Understanding (MoU) on 10-02-2015. The first project would aim at developing devices for early identification of autism and would be collaboration between the Department of Computer Science and the Department of Pediatrics, Father Muller Medical College.

Department of Chemical Engineering

Name of Industry	Nature of Collaboration (Academic, Research, Training. Etc.)	Period / Duration
Viraj Alcohols and Allied Industries Ltd., Sangli	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
Mangalore Chemicals & Fertilizers Ltd, Panambur, Mangalore	Training/Internship to B.Tech.& M.Tech. students.	One month during June to July 2014
Akshaya Patra Foundation, Bangalore	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
Chemical Process Engineers, Bangalore	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
The Travancore – Cochin Chemicals Ltd., Udyogmandal, Kochi .	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
MSN Laboratories Pvt.Ltd., Hyderabad, A.P.	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
The Fertilizers and Chemicals Travancore Ltd.,	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
Centre for Learning and Development, Bharat Electronics, Bangalore	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
Tumkur Co-operative Milk Producers' Societies Union Ltd.,	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
Neyveli lignite corporation limited, Neyveli, Tamilnadu	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July2014
Bengaluru Urban, Begaluru Rural & Ramnagar District Co-operativeMilk Producers' Societies Union Ltd.,Bengaluru	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
Nagarjuna Fertilizers and Chemicals Ltd.,Kakinada,	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
CIPLA Ltd., Banglore	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
WIPRO Enterprises :Limited, Tumkur	Training/Internship to B.Tech.& M.Tech. students.	One month during June to July 2014
The Kerala Minerals and Metals Ltd., Kollam, Kerala	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
Amara Raja Batteries Limited, Tirupathi	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
Delhi Pollution control Committee, Delhi	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
Kudremukh Iron Ore Company, Mangalore	Training/Internship to B.Tech.& M.Tech. students.	One month during June to July 2014
NOCIL, Mumbai	Training/Internship to B.Tech.& M.Tech. students.	One month during December 2014

BPCL, Kochi	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
Yokogawa IA Technologies India	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
Herdilia Chemicals, SI Group India Ltd, Turbine, Navi Mumbai	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
BPCL Refinery Mahul Mumbai	Training/Internship to B.Tech.& M.Tech. students.	Two months during May to July 2014
Hiyoshi Corporation, Jpan	Training/Internship to B.Tech.& M.Tech. students.	One month during June to July 2014
Nanyang Technological University (NTU, Singapore	Research interaction to B.Tech. Students	Two months during May to July 2014
ICT, Mumbai	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014
IISc., Bangalore	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014
National Instt. Of Immunology, New Delhi under Summer Research Fellowship Programme jointly sponsored by IASc, INSA and NASI	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014
Rajiv Gandhi Center for Biotechnology, Thiruvanthapuram	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014
Indian Instt. Of Science Education and Research, Mohali	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014
Indian Instt. Of Science Education and Research, Mohali	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014
Indian Instt. Of Science Education and Research, Mohali	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014
Dept. of Bioscience & Bioengg., IIT, Mumbai	Research interaction to B.Tech./M.Tech. Students	One month during June to July 2014
Central Leather Research Institute, Chennai	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014
Dept. of Biochemistry and Medical Biotechnology, Calcutta school of Tropical Medicine, Kolkata	Research interaction to B.Tech./M.Tech. Students	One month during June to July 2014
Dept. of Chemical Engg., IIT, Mumbai	Research interaction to B.Tech./M.Tech. Students	One month during June to July 2014
Central tuber crops research Institute, Thiruvananthapuram	Research interaction to B.Tech./M.Tech. Students	Two months during May to July 2014

Department of Electrical & Electronics Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
New Mangalore Port Trust	Academic (for staff selection process; question paper preparation, conduction of test and selection of electrical engineers for NMPT by Dr G S Puneekar)	June- July 2014
Mangalore Chemical and Fertilizers.	10.5 MW motor failure analysis, (Technical expert opinion and discussion by Dr G S Puneekar)	One day
IE(I) Mangalore chapter	Safety day lecture on 5 th March on account of National Safety day celebration delivered by Dr G S Puneekar.	One day

Department of Electronics & Communication Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Light and Electro Optics Laboratory (LEOS), ISRO	Design of Free Space Optical link from satellite to ground station (Research)	2012-2014
Texas Instruments	BTech Major Project	2014-2015
TIFR, Bombay		
Dr. Sreeram Vajapeyam		
RRI, Bangalore		
Ittiam, Bangalore		
Intuvision Labs, Bangalore		
FluxgenTech, Bangalore		
Rockwell Automation	BTech Internship	Summer Dec 2014
TEXAS INSTRUMENTS INDIA Pvt Ltd.		5th December 2014 to 5th January 2015
Technophilia Systems, Bangalore		Winter 2014
Toyota Kirloskar Motors		June 10, 2014 to July 18, 2014
Robert Bosch		May15, 2014 to July 15, 2014
Zurepro Online Services Pvt. Ltd.		May 17, 2014 to July 1, 2014
Schlumberger		May 10, 2014 to June 10, 2014
Tata Elxsi		June 15, 2014 to July 15, 2014
Tejas Networks		June 12, 2014 to July 19, 2014
Oman Cables Industries		June 1, 2014 to June 13, 2014
Sushma Industries	June 2, 2014 to	

		July 2, 2014
Rothschild India Pvt. Ltd.		May 12, 2014 to June 27, 2014
Electronic Corporation of India Limited, Hyderabad		May 19, 2014 to June 18, 2014
Ananya Technology Pvt Ltd		Dec 4, 2014 to Dec 31, 2014
SimpleWealth		2 December 2014 to 2 January 2015
PLX Technology	MTech Major Project	2014-2015
Intel India		
Broadcom		
Infineon		
Emulex		
Cardiac Design Labs		
Calligo Technologies		
Robert Bosch		

Department of Mechanical Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
AVL	MoU with AVL with Licensed Software of AVL FIRE and BOOST.	Every One year (From 2011)
Seasa Goa	Research and consultancy	1 year
Thermax Ltd	Research and consultancy	3 years
Central Manufacturing Technology Institute, Bangalore	Academic and research in Manufacturing Sciences	Started M.Tech Programme in collaboration
Mercedes-Benz, Bangalore	Academic and research in automobile Engineering	
Robert Bosch Engineering and Business Solutions	Academic and research in automobile Engineering	3 years
ISRO satellite Centre, Bangalore	Research	
Summer institute, Switzerland	Academic and Research	3 years
Volvo India	Academic and Research	3 years

Department of Mining Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
M/s. Insmart Systems,Hyderabad	Established State-of the art Mineral Processing Laboratory in the Department.	2014-2017

Department of Metallurgical & Materials Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Kennametal India Limited, Bangalore	M.Tech. Project	August 2014 to May 2015
Bharat Heavy Electricals Limited, Bangalore	M.Tech. Project	August 2014 to May 2015
Central Electrochemical Research Institute, Karaikudi	M.Tech. Project	August 2014 to May 2015
Indian Rubber Manufacturers Research Association, Thane	M.Tech. Project	August 2014 to May 2015

19 SIGNIFICANT ACHIEVEMENTS

19.01 Notable Achievements

Department of Applied Mechanics and Hydraulics

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

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
3	Workshop	Geoinformatics for Water and Coastal Engineering	23-24, September 2013	90
4	Symposium	Outstanding Issues for Hydrological Research in India'	21 st October 2013	112
5	Workshop	Recent trends in system application as applied to Civil Engineering	09.01.2015	100
6	International Conference	Water Resources, Coastal and Ocean Engineering (ICWRCOE'15)	12-14 March 2015	350

Visits abroad by Faculty members

Name of the Faculty	University/ Institute/ Organisation	Place	Purpose	Duration
A. Vittal Hegde, Ph.D.		Zurich Swizerland	For attending International conf. ICCOE-2013	
Kiran G. Shirlal, Ph.D.	University of Hamburg	Germany	11 th International Conference on Hydroscience and Engineering, Hamburg, Germany	28 Sep to 2 Oct 2014
Manu, Ph.D.	University of Hamburg	Germany	11 th International Conference on Hydroscience and Engineering, Hamburg, Germany	28 Sep to 2 Oct 2014
Pruthviraj U. Ph.D.	University of Hamburg	Germany	11 th International Conference on Hydroscience and Engineering, Hamburg, Germany	28 Sep to 2 Oct 2014
G.S.Dwarakish,	Malaysian	Kuala	To attend and present	14 to 17 April

Ph.D.	University	Lumpur, Malaysia	paper in the International Conference 2014 IEEE Region 10	2014
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Projects faculty members applied

Date Applied	Name of the Faculty	Funding Agency	Amount asked for (in Lakhs)	Research Scholar/ Project Fellow Included (YES/NO)	% Overhead Charges	Remarks Got it (Letter No.)/ Rejected/ Pending
12.12.2013	G.S.Dwarakish, Ph.D.	MOEF	250.60	Yes	20 %	Pending
17.03.2014	G.S.Dwarakish, Ph.D.	ISRO-RESPOND	17.65	No	20 %	Pending
	Manu, Ph.D.	MoES, GoI New-Delhi	120.635	Yes	20 %	Pending

Other details if any

Awards / Distinction

Prof. Satish Dhawan State Award 2012- The Department of Science & Technology, Govt. of Karnataka had conferred Prof. Amai Mahesh with Prof. Satish Dhawan Young Engineer State Award 2012. The award carries a citation, plaque and cheque for Rs. 50,000/-

Department of Chemical Engg

Ms. Anusha Krishnamurthy pursuing PhD under Dr. Prasanna B.D of Chemical Engg. Department, won the "**Best Poster**" award in "National Conference on Recent Trends in Microbial Biotechnology" held at Osmania University, Hyderabad held during 25-28 February 2015

Notable Achievements during the year

Guest Lectures Delivered By Faculty Members

Sl.No.	Subject / Topic of the Guest Lecture	Lecture Delivered by (Name & Address)	Place & Event of Lecture Delivered	Dates of Lecture
1	Modelling and Simulation of Crystallization Reactor	Dr. B. Ashraf Ali	Two-day National Workshop on "Advanced Mathematical Approaches In Chemical and Environmental Engineering Using Matlab And Simulink" at NIT ,Calicut. During period of 1 st JANUARY 2015 To MARCH 2015,	February 28 & March 1, 2015

Department Of Civil Engineering

Achievements up to 31 st March 2014	Achievements during 1 st April 2014 to 31 st March 2015
➤	American Society of Civil Engineers has issued the charter for National Institute of Technology Karnataka Student Chapter.
➤	The Department received the financial support to the tune of INR 110.8 Lakh under FIST-2013 scheme of the Department of Science and Technology, Government of India.

Department of Computer Engineering

Achievements up to 31 st March 2014	Achievements during 1 st April 2014 to 31 st March 2015
<p>Faculty achievements:</p> <ul style="list-style-type: none"> ➤ Prof. Swapan Bhattacharya, the esteemed Director of NITK Surathkal was honoured with The ET NOW National Education Leadership Award. ➤ Dr.K.Chandrasekaran is nominated as a member in the Editorial board of IEEE transactions on Cloud Computing. ➤ Dr.K.Chandrasekaran is selected as one of the members of the "IEEE Cloud Computing STC's conference Executive TCS Committee", USA. ➤ A six day International Summer School on "Leading Edge Software Engineering (ISS-LESE 2014)", 3rd – 8th March 2014. Organizing Chair: Dr. K. Chandrasekaran ➤ Second International Conference on Advanced Computing, Networking and Security - ADCONS '13, 15th-17th December 2013. Organizing Chairs : Dr.Annappa & Dr. Ananathanaraya V.S ➤ Three days workshop on "Cloud Computing and Internet of Things", 23th-25th July 2012, Co-ordinator:Dr.K. Chandrasekaran. ➤ Three days International Symposium on "Cloud and Services Computing 2012 	<p>Faculty achievements:</p> <ul style="list-style-type: none"> ➤ Dr. Mohit P. Tahiliani received the "EMC Young Achiever Awards 2015" from EMC Corporation on 12th February 2015 at Le-Meridian Chennai. <p>Students achievements:</p> <ul style="list-style-type: none"> ➤ Mr. Sreecharan Sankaranarayanan, IV year B.Tech.(CSE) has been accepted to the Ph.D. program of the Language Technologies Institute in the School of Computer Science at Carnegie Mellon University starting in the Fall 2015 semester with Research Fellowship. ➤ Ms. Shruthi Puranik, III year B.Tech. will be doing Research Internship on "Mining Mobile Software Repositories" at Queen's University Kingston, Canada under the scheme of "Student research Mobility Programme" with MITACS, Canada during May-September 2015. ➤ Arun V. Hegde Memorial Cash Prize for Pranav Thulasiram Bhat (12CO65), VI semester B.Tech.(CSE) and Pranav Bhat T (11CO66), VIII B.Tech.(CSE) securing more than 7.5(S.G.P.A.). ➤ Prof. V. Rajaraman's Cash award to Pranav Bhat T (11CO66) for highest CGPA from I to VII semester for the year 2014-15.

Achievements up to 31 st March 2014	Achievements during 1 st April 2014 to 31 st March 2015
<p>(ISCOS 2012)", 16-18 December 2012, Co-ordinator: Dr.K.Chandrasekaran.</p> <ul style="list-style-type: none"> ➤ Arun V. Hegde Memorial Cash Prize for Karthik C (11CO47), VI semester B.Tech.(CSE) and Chetan Dugar (10CO106),VIII B.Tech.(CSE) securing more than 7.5(S.G.P.A.). ➤ Mahila Samithi KIOCL "Kudremukh" scholarship to Abhishek Maheshwari (12CO108), IV semester B.Tech.(CSE). ➤ Prof. V. Rajaraman's cash Award to Chetan Dugar (10CO106), VIII B.Tech.(CSE) for highest CGPA from I to VII semester for the year 2013-14. ➤ 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. ➤ Harsha Vardhana (2009-13), Guinness world record, participated in largest mobile phone gaming party involved 343 participants on 15th March 2013. ➤ IEEEExtreme Programming Contest 6.0: Team KodeKallas: Ananthatejas R (09CO12), Suhas G P, Shanshank S was ranked I in India with global rank of 91 (2009-13). ➤ Ananthatejas Raghavan and Madhuri Shanbhogue (2009-13 B.Tech.) received the Richard E Merwin scholarship from IEEE Computer Society. ➤ Team comprising of Chandramouli Sharma(10CO21) VIII semester B.Tech., Vivek Yadav, and Madhuri Shanbhogue(2009-13 B.Tech.), were among the top 10 for the idea of Interactive Environmental Science 	<ul style="list-style-type: none"> ➤ Aditya kumar Mishra, II year M.Tech (CSE) published a journal paper "Supervised Learning Method to Cluster XML Documents with reduced Complexity", in International Journal of Advanced Technology in Engineering and Science, Volume No.03, Special Issue No. 01, March 2015 ISSN (online): 2348 – 7550". ➤ Sumanta Chatterjee, I year MTech CSE-IS) 2014-2016 won Infosys In-Step Business Plan Competition July 2014

Achievements up to 31st March 2014	Achievements during 1st April 2014 to 31st March 2015
<p>Platform which are already been taken up as a project in IEEE Computer Society.</p> <ul style="list-style-type: none"> ➤ Prof. V. Rajaraman's Cash award to Abhinit Modi (2009-13 B.Tech.) for highest CGPA from I to VII semester for the year 2012-13. ➤ Arun V. Hegde Memorial Cash Prize for Dhivya A(10CO26),VI semester B.Tech.(CSE) and Abhinit Modi(09CO02), VIII B.Tech.(CSE) securing more than 7.5(S.G.P.A.). ➤ International Conference on "Advanced Computing, Networking and Security" during 16th - 18th December 2011. Co-ordinator: Dr. P. Santhi Thilagam. ➤ One day workshop for school teachers on "Information Security" on 04th February 2012, Co-ordinator: Mr.Alwyn Roshan Pais and Mr. K.Vinay Kumar. ➤ Dr. K. C. Shet and Dr. K. Chandrasekaran received: "SHIKSHA RATTAN" award. 	

Department of Chemistry

Achievements up to 31st March 2014	Achievements during 1st April 2014 to 31st March, 2015
<p>The department received the Single Crystal X-ray diffractometer, costing Rs. 155 lakhs under DST-FIST, to facilitate single crystal X-ray diffractometer in the department. (Five year project). The instrument has been successfully installed and is working satisfactorily.</p>	<p>Commonwealth Academic Fellowship to Prof. B.Ramachandra Bhat</p>

Department of Electrical & Electronics Engineering

Achievements up to 31st March 2014	Achievements during 1st April 2014 to
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<p>Mr. Tukram Moger received Best Paper Award in Power and Energy track for the paper title "An Improved Approach for Evaluation of Reactive Power Sources Contribution to Reactive Load and Loss", in 2013 Annual IEEE India Conference (INDICON) held during 13th to 15th December 2013 at Department of Electrical Engineering, Indian Institute of Technology Bombay (IIT Bombay), India.</p>	<p>31st march 2015</p> <ul style="list-style-type: none"> ➤ Mr. Tukram Moger Received IEEE Publication Paper Award 2014 for the paper title "Fuzzy Logic Approach for Curtailed Number of Controllers for Voltage Control in Grid Connected Wind Farms", from IEEE Bangalore Section, India. ➤ The IEEE Bangalore section has awarded a best paper-2014 for the IEEE Transaction paper: Shashidhara M. Kotian and K. N. Shubhanga, "Performance of synchronous machine models in a series-capacitor compensated system," IEEE Transaction on Power Systems, Vol.29, No.3, pp 1023-1032, May., 2014.
<p>Following M-Tech students Conferred with POSOCO power system award (PPSA)-2014 by Power System Operation Corporation Ltd (POSOCO) and Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi. The award includes cash prize of Rs. 30,000/- and a citation</p> <ul style="list-style-type: none"> ➤ Mr Shakthi Prasad D (worked under G.S. Puneekar, Ph.D.) ➤ Miss Arthi Sahaya Rones V(worked under K. P. Vittal, Ph.D.) ➤ Mr. Vinod. M. P (worked under K. P. Vittal, Ph.D.) 	<p>Following M-Tech students Conferred with POSOCO power system award (PPSA)-2015 by Power System Operation Corporation Ltd (POSOCO) and Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi. The award includes cash prize of Rs. 30,000/- and a citation</p> <ul style="list-style-type: none"> ➤ Ms. A.G Priyanka and Ms. Ritty raju (who worked under the guidance of Dr. K.N. Shubhanga) A G. Priyanka bagged 8th position and Ritty Raju secured 14th place out of 25 awards.) ➤ Ms Megahana R, (student of Dr G S Puneekar) ➤ Miss Geethi krishnan, M-Tech (by Research) (worked under the guidance of Dr. Dattatraya N. Gaonkar) ➤ Mr. Vanjari Venkata Ramana- M-Tech (by research worked under the guidance of Dr. D. Jena)

Department of Electronics And Communication Engineering

Achievements up to 31st March 2014	Achievements during 1st April 2014 to 31st march 2015
<p>Ajin Jiji Tom (13EC202), obtained WORLD RANK 14 in WORLD ROBOT OLYMPIAD, (WRO)Malaysia (http://www.wroboto.org), participated in the same competition in 2013 when it was held in Qatar and won the GOLD medal.</p>	<ul style="list-style-type: none"> ➤ Our students have won the IEEE student Enterprise award 2014 (Asia Pacific Region) ➤ Title of the project: Mapping of Greenhouse gases using wireless sensor networks. Team members: Nithin Kamath, Arjun A, Arjun Raghunath, Pratik Gujjar, Shah Ankit Parag, M. Ranga Sai Shreyas, Sree Gautham J, A. Bejesh, Pranav Channakeshava, Chethan V, Abhishek Kumar, Pradyumna Suresh, Anup R, Vishnuvardhan, Vinith Kishore. ➤ Mr.Prajwal M V (11EC66) and Srinivas B S (11EC97) have bagged the first prize in Texas Instruments analog design contest, judged by Prof. K Radhakrishna Rao of IIT Madras, for the interns selected at TI. ➤ Aatish Chandak (11EC04), Arjun A (11EC14) and Nithin Kamath (11EC59) were presented with the 'Top 30 Designer' Awards for their project 'Autobot - Autonomous Surveyor Robot ' by the EFY Design Contest 2013-14 held at the EFY-Expo, New Delhi. ➤ Mr. Karthik Hegde (11EC39), 8th sem BTech (E&C) student, awarded best paper award for his technical paper titled "High Speed FFT for low end GPGPUs" ➤ Mr. Karthik Hegde (11EC39), Published a paper at Intl. conf. on High performance computing, International symposium on parallel & distributed processing. ➤ Arjun A (11EC14), Arjun Raghunath (11EC16) presented a paper at International Conference on NCGL for Multi-Core Processors at HiPC SRS 2014. ➤ Arjun Raghunath (11EC16) presented a paper in International Conference on NCGL for Multi-Core Processors at HiPC SRS 2014. ➤ Harshavardhan R (11EC35) published a paper at IEEE IPDPS 2015. ➤ Raghavendra S H (11EC75) published a paper at IEEE International Humanitarian Technology Conference, Montreal, Canada. Won the first place for the Best Lighting Project conducted by the EFY (Electronics For You Magazine) Design Contest 2013-14 held at the EFY-Expo, New Delhi for his work on Remote

	<p>Controlled Efficient Lighting. He was also given additional grant for further development of his work. All IEEE R10 Young Humanitarian Engineering Challenge (Top 25) in Asia Pacific Region,</p> <p>Selected to represent NITK in Festival of Innovations at Rashtrapati Bhavan, Runners Up of E-Pitch B-plan competition (Rs 35,000 Cash Prize)</p> <ul style="list-style-type: none">➤ Supreeth Prajwal S (11EC101) "Improved Vowel Onset and Offset Points Detection using Bessel Features", presented at SPCOM 2014, IISc, India.➤ Naveen John - Selected as the Google student ambassador representing NITK for the 2014-15 academic year. Only the top 177 from over 2000 applicants were selected as GSA.➤ Pranav Chennakeshava: IET India Scholarship 2015- Selected for Regional Presentation Round for South India Region Entered the finals of Anveshana-2015 competition held by Synopsys. Team Members: Pranav Channakeshava, Abhishek Rathan Kumar➤ Abhinav Roy Burman (12EC01) – won 2nd place in Justice Tarkunde National parliamentary debating tournament, ILS, Pune 2) 3rd place in RV debating tournament, Bangalore 3) Gold medal, freestyle relay, swimming, Inter-NIT, Surathkal.➤ Lakshmana Kumar and Alok Babu were part of the inter-NIT team which came first in Kabaddi competition <p>16. Kevin D'souza, Winner of the E-Yantra Robotics competition held at IIT Bombay Conducted by Nex robotics in collaboration with IIT Bombay.</p> <p>Task: To traverse the given arena and to align blocks in the least time possible. It involved line and wall following.</p> <p>The Darrel Chong Student Activity Award –for the project Interactive Environment Education Platform (IEEP): 2014</p> <p>Admissions to Universities abroad:</p> <ul style="list-style-type: none">➤ Ajaykrishnan N (11EC09) Got admission in University of Maryland, College Park for PhD for Fall 2015.➤ Supreeth Prajwal S (11EC101) Got admission in Georgia Institute of Technology as
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	<p>well as in University of Maryland, College Park for PhD for Fall 2015.</p> <ul style="list-style-type: none"> ➤ Raghavendra S H (11EC75) Got admission in Ohio State University, Columbus for PhD in 2015. ➤ Akshar Jain (11EC11) got admission in UC, Santa Barbara for MS in Fall 2015. ➤ Amir Raj (11EC13) got admission in Georgia Institute of Technology for MS in Fall 2015. ➤ Arjun A (11EC14) Got admission in Univ. of Southern California, Univ. of Michigan Ann Arbor, Univ. of Maryland College Park, University of Minnesota and Arizona State University for M.S. admissions in Fall 2015. ➤ Arjun Jagdish (11EC15) got admission in North Carolina state university for MS in Fall 2015. ➤ David Joshy Manjaly (11EC28) got admission in North Carolina state university for MS in Fall 2015. ➤ Dishit Dak (11EC31) got admission in New York University for MS in Fall 2015. <p>10. Nithin Kamath (11EC59) got admission in North Carolina state university for MS in Fall 2015.</p>
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Department of Humanities, Social Sciences and Management

Achievements up to 31st March 2014	Achievements during 1st April 2014 to 31st March 2015
<ul style="list-style-type: none"> ➤ Sreejith Alathur: Received the Highly Commended Outstanding Doctoral Research Award in the Management and Governance category from Emerald in 2013 	<ul style="list-style-type: none"> ➤ Dr. Sreejith Alathur received the 2014 National Internet Exchange of India (NIXI) Fellowship, Govt. of India. ➤ Awarded Charles Wallace Short Research Grant to Dr. Shashikantha K. during the year 2014-15 to work in the British Library, London for 4 weeks' duration. ➤ Received the "Best Paper Award" certificate and memento in the category of Social Initiatives Study (empirical study) at the International Consortium for Innovation and Entrepreneurship research and IIM, Bangalore held at IIM, Bangalore from 29th to 31st January, 2015.

Department of Information Technology

Achievements up to 31 st March 2014	Achievements during 1 st April 2014 to 31 st March 2015
<p>Best Paper Awards</p> <ul style="list-style-type: none"> ➤ Dere Kundan S. and G. Ram Mohana Reddy, "Projection and Interaction with Ad-hoc Interfaces on Non-planar Surfaces", IEEE 2nd Int. Conf. on Adv. Computing, Nw. and Security (ADCONS 2013), December 15-17, 2013, pp. 1-6, NITK Surathkal, Mangalore, India. ➤ Karthik R, Raghavendra Karthik, Pramod S and Sowmya Kamath S, "W3-Scrape – A Windows based Reconnaissance Tool for Web Application Fingerprinting", at International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT 2012), organized by SRIT, Anantpur, Andhra Pradesh, December 22 -23, 2012 (Awarded the Best Paper Award for CSIT Track) ➤ Melwyn D' Souza and Ananthanarayana V.S., "Delivering LBA with LBS using Service Oriented Architecture", International Symposium for Cloud and Services Computing (ISCOS) 2012, Dec 17 – 18, 2012, NITK, Surathkal 	<p>Twelve batches of UG (B.Tech) and Three batch of PG(M.Tech) students have successfully completed their graduation in IT stream so far.</p>
	<p>Around 94% placements in B.Tech and 87% placements in M.Tech during 2014-15.</p>
	<ul style="list-style-type: none"> ➤ Prof. Ananthanarayana V S Visited Carnegie Mellon University, USA and Penn State University, USA during 23rd June - 6th July 2014 for research interaction. ➤ Mr. Biju R Mohan visited Qatar Foundation for Education, Science and Community Development. ➤ Mr. Biju R Mohan visited Korea Institute of Information Scientists and Engineers (KIISE).
	<p>Best Paper Awards</p> <ul style="list-style-type: none"> ➤ Monisha Kanakaraj and Sowmya S Kamath , "NLP based Intelligent News Search Engine using Information Extraction from E-Newspapers", at 2014 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), during 18 - 20th of December, 2014, organized by IEEE Podhigai, Madras Section and IEEE Signal Processing / Computational Intelligence / Computer Joint Societies Chapter (SIPCICOM) of Madras Section. ➤ Geetha V and K Chandrasekaran, "Identification of parameters for trust management in wireless sensor networks" at Eighth International Conference on Communication Networks (ICCN 2014) organised by University Vishveshwariah Engineering College (UVCE), Bangalore, July 25th – 27th, 2014 ➤ Mr. Shridhar Domanal (Research Scholar of Prof G Ram Mohana Reddy, IT Dept, NITK) has visited the University of Melbourne, Australia during January 26-February 10, 2015. In particular, he visited CLOUDS Lab in the Department of Computing and Information

	<p>Systems and interacted with Professor Rajkumar Buyya and his research team members and explored possible collaboration areas in the area of Cloud computing environments.</p> <p>➤ IT Student Admissions to Top Universities</p> <table border="0"> <tr> <td style="vertical-align: top;">Divya Venugopalan 11IT105</td> <td style="vertical-align: top;">Carnegie Mellon University, USA</td> <td style="vertical-align: top;">M.S in Computer Science</td> </tr> <tr> <td style="vertical-align: top;">Susmitha P 11IT96</td> <td style="vertical-align: top;">Carnegie Mellon University, USA</td> <td style="vertical-align: top;">M.S in Computer Science</td> </tr> <tr> <td style="vertical-align: top;">Vikas Mohandoss 11IT102</td> <td style="vertical-align: top;">Columbia University, USA</td> <td style="vertical-align: top;">M.S in Computer Science</td> </tr> <tr> <td style="vertical-align: top;">Ruchika Shivaswamy 11IT73</td> <td style="vertical-align: top;">University of California San Diego, USA</td> <td style="vertical-align: top;">M.S in Computer Science</td> </tr> </table>	Divya Venugopalan 11IT105	Carnegie Mellon University, USA	M.S in Computer Science	Susmitha P 11IT96	Carnegie Mellon University, USA	M.S in Computer Science	Vikas Mohandoss 11IT102	Columbia University, USA	M.S in Computer Science	Ruchika Shivaswamy 11IT73	University of California San Diego, USA	M.S in Computer Science
Divya Venugopalan 11IT105	Carnegie Mellon University, USA	M.S in Computer Science											
Susmitha P 11IT96	Carnegie Mellon University, USA	M.S in Computer Science											
Vikas Mohandoss 11IT102	Columbia University, USA	M.S in Computer Science											
Ruchika Shivaswamy 11IT73	University of California San Diego, USA	M.S in Computer Science											

Achievements up to 31st March 2015	Achievements during 1st April 2014 to 31st March 2015
	<p>➤ Dr. Harsha Vardhan and Dr. M. Aruna are working with Govt. of Karnataka in connection with Lease Boundary mine survey.</p> <p>➤ Dr.K.Ram Chandar appointed as Technical Committee member for procurement of ANFO for M/s. Mysore Minerals Limited under KTPP Act, 1999 under sec-4(b).</p>

Department of Mathematical & Computational Sciences

Achievements during the period of report - Prof. Santhosh George and Dr. P. Jidesh, in collaboration with others organized the International Conference on Mathematical and Computational Sciences, at Don Bosco College, Kannur, Kerala, during 22nd to 24th of January, 2015, (sponsored by NBHM).

Department Of Mechanical Engineering

Achievements up to 31 st March 2014	Achievements during 1 st April 2014 to 31 st March 2015

➤ The department had started M.Tech Program in Design and Precession in collaboration with Central Manufacturing Technology Institute, Bangalore	➤ The department has Awarded 6 PhD degree
➤ The department has got to its credit the research projects granted by AICTE, DST and ARDB	➤ The department has Published 57 papers in international Journals, 39 papers in international conferences.
➤ The department has conducted workshop and training for teachers in technical institute	➤ The Department has MoU with Volvo for academic and research purpose
➤ The department engaged in consultancy work	➤ The department is granted with external funded projects worth Rs. 1124.65 Lakhs
➤ The department has collaborated with industries to aid research, training and academic	➤ The department conducted one international conference.
➤ Deputed 7 faculties to pursue PhD at various IIT's.	➤ One new faculty members joined in the department

Department of Metallurgical And Materials Engineering

Achievements up to 31st March 2014	Achievements during 1st April 2014 to 31st March 2015
Total no. of Ph.Ds = 25	10
Total No. of Paper Published = 387	Total No. of Paper Published = 76

Department of Physics

Achievements up to 31st March 2014	Achievements during 1st April 2014 to 31st March 2015
<ul style="list-style-type: none"> ➤ Aparna Bisht , M.Sc.(Physics) student of Batch 2012-14 has joined as Ph.D student at the International Max Plank Research School (IMPRS), Albert Einstein Institute of Gravitational Physics, Hannover, Germany. ➤ Vaishali B. Adya , M.Sc.(Physics) student of Batch 2011-13 has joined as Ph.D student at the International Max Plank Research School (IMPRS), Albert Einstein Institute of Gravitational Physics, Hannover, Germany. ➤ Kartheek Hegde V, M.Sc.(Physics) student of Batch 2011-13 cleared CSIR-UGC NET(JRF) examination. ➤ Yogananda D, M.Sc.(Physics) student of Batch 2011-13 cleared CSIR-UGC NET (JRF) examination. 	

Addition(s) to Building Infrastructure

Department Civil Engineering

- Addition of one floor space after vertical extension of annexe building of the Department.
- New building for the department is being constructed Addition of one floor space after vertical extension of industrial structure laboratory.

Department Of Computer Engineering

- New building for the department is being constructed

Department Of Mechanical Engineering

- Got approval for constructing three additional floors to the department building
- New Labs Setup
 - Remote Triggered Lab on Mechanical vibrations
 - Virtual Instrumentation Lab
 - Virtual lab in Mechanisms of Machines
 - Virtual Lab in Machine dynamics & Vibration
- Annual maintenance contract for all computing facilities (Facility Management Institute level)
- Annual maintenance contract for UPS and Air-conditioning equipments of laboratories

Department Of Metallurgical & Materias Engineering

Special talk from Industries/R&D

Sl. No.	Name of the Guest	Topic	Date
1.	Dr. Sheela Berchmans Chief Scientist & Head Electrodes & Electrolysis Division CSIR, Karaikudi	Functional Materials for Electro-Catalysis, Sensors & Fuels Cells	17 – 07 – 2014
2.	Dr. Sukumar Roy, BHEL, Bangalore	Industrial nanotechnology – Activities in BHEL	25 – 07 – 2014
3.	Dr. Taik Nam Kim, Professor Dept. of Materials Science & Engineering, Paichai Univ., Daejeon, Korea	Synthesis of Hydroxyapatite from biowaste	04 – 12 – 2014
4.	Dr. A. M. Shanmugaraj, Assistant Professor Kyung Hee University, Korea	Nanomaterials Energy Conversion and Storage	12 – 01 – 2015

CHEMICAL ENGINEERING

Details of Book written by Full time faculty members

Books published during the year

Sl.No.	Name of the Faculty members	Name of the Book	Publication name	Year of Publication
1	Ritu Raval, Keyur Raval , Satinder Brar Kaur, Mausam Verma	Book chapter published in Enzymes in Value addition of wastes	Nova Publishers, USA	2014

Department of Metallurgical & Materials Engineering

Books Published :

1. A. O. Surendranathan, "Introduction to Ceramics and Refractories", CRC Press, Boca Raton, London, New York, 2015

2. S. K. Kalpathy "Polymer Coatings and Patterning techniques" In "Advances in Polymer Materials and Technology, 1st Edition" edited by S. Anandhan Boca Raton: CRC Press/Taylor & Francis. ISBN: 9781498718813.

3. Prabhu K N, Nanofluids as Quenchants in Industrial Heat Treatment, in ASM Handbook, Volume 4B: Steel Heat Treating Technologies, ASM International, OH, 324 -336, 2014.

Department of Physical Education & Sports

Achievements up to 31st March 2014	Achievements during 1st April 2014 to 31st March 2015
	<p>Physical Education and Sports: Institute teams formed, trained and coached were allowed to participate in different Taluk, District, State and National level tournaments/ Competitions.</p> <ul style="list-style-type: none"> ➤ Dasara Tournaments: Basketball(Men) District: Runners-up, Badminton(Men) District Runners-up, Table Tennis (Men) District: runners-up. ➤ DK District Basketball Association conducted James Neismith Intercollegiate Basketball Tournament: Institute Men Basketball team was Winners. B S A Kumar Inter Collegiate Basketball Tournament Conducted by Yenepoya University: Institute Men Basketball Team were Winners. Zest All India Inter Collegiate Basketball Tournament conducted by Gove College of Engineering, Poona: Winners. Slam Dunk South zone inter collegiate Basketball Tournament conducted during 4th to 08th March, 2015- Institute Men and Women Basketball teams were Runner-Ups. Ragam Cup inter Collegiate Basketball Tournament held at NIT Calicut: Men- Winners, Women-Runners-Up. ➤ All India Inter NIT Sports in Aquatics Men & Women have been organized by our Institute:

	<p>Our Institute Aquatics (Men): Winners of Team Championships, Aquatics (Women): Winners of Team Championship. Other results of All India Inter NIT Tournaments held at other NITs: Badminton(Men)- Winners, Badminton Women: Runners-Up, Basketball(Men) – Runner-up, Basketball Women : Runners-Up Hockey (Men) : Winners, Kabaddi (Men) Winners, Table Tennis (Men): Runners-up, Tennis (Men): Winners, Weight Lifting, Power Lifting and Best Physique competitions: Team won 8 medals including 4 gold medals. Due to excellent performance of all teams we won Overall Championship this time.</p> <ul style="list-style-type: none">➤ Spike Fest, Invitational Inter Engineering collegiate Volleyball Tournament: Women team: Runners.➤ D K District T-20 Cricket tournament for Professional colleges, conducted by DKCA: Winners, DKCA Inter Club Cricket tournament: Won IV place and KSCA Mangalore Zone Third Division League tournament 2014: Third Place.➤ Karavali Staff Intercollegiate Tennis ball Cricket tournament : Staff Team are Winners. <p>Intra-Mural Competitions in Aquatics and Athletics conducted during the month of January, 2015 attracted large number of student participants. Prize money, Medals and Certificates were distributed to 3 place winners of each event. Institute Aquatics and Athletics teams were selected on the basis of these results. Phoenix, a gala of sports (An Inter year competitions for students) has been conducted in the even semester and by enthusiastic huge participation, students responded overwhelmingly and spontaneously.</p>
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20 ASSOCIATED CENTRES

20.1 National Institute Of Technology Karnataka (STEP)

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

Vision:

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

Goals:

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

Status of occupancy by Incubate units in 2014-15:

S No	Unit Size	Name of the unit	Technology Domain
1	500 sq.ft	Expert Vision Labs Pvt Ltd	Imaging Technology Products
2	250 sq.ft	Recherche Technologies	Web Design and Development
3	300 sq.ft	Mindstack Technologies	Web Design and Development
4	500 sq.ft	NGCN Infosolutions Pvt Ltd.	Networking and Cloud Computing Applications
5	500 sq.ft	Pixelabz	Multi Media applications
6	650 sq.ft	Automation Apps LLP	Web Design and Mobile Applications
7	500 sq.ft	Skill Soft Technologies	Skill Development, IT Infrastructure Management

			Services
8	500 sq.ft	Boredbees Techsolutions India Pvt. Ltd	Optimizing Reasearch and Emphasis Development
9	650 sq.ft	Chaos Labs	Reasearch & Development, Manufacturing of Electronic items.
10	250 sq.ft	Qreatin Technologies Pvt Ltd	Mobile Web
11	1200 sq.ft	Innate Enterprises Pvt. Ltd	Software Development

Faculty Development Programs held in the region:

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

STEP organized a nine-day program at WPT Bondel in September 2014. Resource persons included expert professionals/practitioners from the industry, academia, alumni, government and financial institutions. In addition, it also included industrial visits to well-known industries of the region.

Activities:

'One Time Technology Incubation Fund' to implement Student Startup projects to commercialize Startup Projects at NITK-STEP

Objectives:

- To provide a methodology to commercialize the students projects in general
- To develop a strategy that can motivate students to incorporate some newness in their respective projects
- To increase effectiveness of functioning of our NITK-STEP
- To create healthy competition in the Institute so that each department will be driven to maintain targets for their performance, specifically with regard to patents that the concerned department will generate for the institute.

The following 9 student-startup were incubated at NITK-STEP:

SI No	Name of the Startup	Team members	Name of the project
1	CybrSys (cybrsys.com)	Shubham Badal	Cyberhome www.cyberhome.com
		Ashish Gupta	
		Ajeet Lakhani	
2	Cosine Solution	Ananthu V	Foldschools App
		Anshej Habin	

		Arul prakash	
		Brazil Ishak	
		Jerin Mathew	
		Rohit Varkey	
		Athish R das	
		Vivek B Krishnan	
3	Funday Sports	Gaurav Oswal	Funday Sports
		Anand Oswal	
4	Purple	Abhinav Pathak	Purple
		Vikas Mohandoss	
5	Waverr	Takur Rahul Sing	Waverr App
		Abhishek Rathan Kumar	
		Nikhil Kumar	
		Abishek Shantkumar	
		Nikhita Hegde	
		Nathan Pereira	
		Pratham pramod	
		Prasanna Muthukumar	
6	SchoolEngg	Nikhil Sinha Mukesh Jaiswal Manish Kumar Harsh Kumar	SchoolEngg App
7	Memories Event Management	Akshith Shetty Shashank Rai	Memories Event Management
8	Ubiscon Consultancy Services LLP	Sibu Sahadevan k	Ubiscon Consultancy Services LLP
9	Filanza Security Services and Solutions	Beryl Thomas	Filanza Security Services and Solutions

20.2 CENTRE FOR CONTINUING EDUCATION (C.C.E)

Details of Activities during the year 2014-15

Sl. No.	Title of the Course	Duration	Organized by	Name of the Course Coordinators	No. of Participants attended	Course Intended for
1	Design, Construction & Maintenance of all Weather Roads	01-09-2014 to 05-09-2014	Department of Civil Engineering	Prof. A.U.Ravishankar & Prof. Sitaram Nayak	14	The Practicing Engineers deputed from various Karnataka Government Departments

						sponsored by Engineering Staff College, K.R.Sagara.
2	R.C.C. Detailing, Mix Design & Quality Control	24-11-2014 to 28-11-2014	-do-	Prof. S.C. Yaragal & Dr. C. Rajasekaran	07	- do -
3	Soil Mechanics & Testing for Road Engineers	19-01-2015 to 23-01-2015	-do-	Prof. Sitaram Nayak & Prof. A.U. Ravishankar	10	- do -

20.3 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

The Financial Status

SOURCE OF FUNDS

Ministry of Human Resource Development, New Delhi.

	Rs. in lakhs
Plan Grants	4300.00
Non Plan Grants	6000.48
Project Grants	892.93

Expenditure position for last three years

	Rs. in lakhs		
Year	Plan	Non Plan	Total
2012-13	7031.75	6475.97	13507.72
2013-14	4671.77	7319.30	11991.07
2014-15	7790.51	8536.88	16327.39
Total	19494.03	22332.15	41826.18

FINANCE AND ACCOUNTS DETAILS

BALANCE SHEET AS AT 31-03-2015

PARTICULARS	(AMOUNT - Rs.)	
	CURRENT YEAR	PREVIOUS YEAR
<u>SOURCE OF FUNDS :</u>		
CORPUS/CAPITAL FUND	3,027,881,111	3,070,304,564
DESIGNATED/ EARMARKED/ ENDOWMENT FUNDS	1,438,552,695	1,165,165,900
CURRENT LIABILITIES AND PROVISIONS	513,667,191	373,776,371
TEQIP PROJECT - PHASE I	184,237,765	184,237,765
TEQIP PROJECT - PHASE II	78,525,242	47,602,933
TOTAL	5,242,864,004	4,841,087,533
<u>APPLICATION OF FUNDS :</u>		
FIXED ASSETS		
Tangible Assets	2,032,195,241	2,167,598,458
Intangible Assets	7,321,351	-
Capital Works-In-Progress	520,439,419	77,111,988
INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS		
Long Term	1,081,054,278	819,517,246
Short Term	-	-
INVESTMENTS - OTHERS	-	-
CURRENT ASSETS	426,673,276	401,700,243
LOANS, ADVANCES & DEPOSITES	912,417,431	1,143,318,900
TEQIP PROJECT - PHASE I	184,237,765	184,237,765
TEQIP PROJECT - PHASE II	78,525,242	47,602,933
TOTAL	5,242,864,004	4,841,087,533

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2015**(AMOUNT - Rs.)**

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
<u>INCOME:</u>		
ACADEMIC RECEIPTS	282,461,218	216,067,859
GRANTS/SUBSIDIES	814,326,101	641,379,820
INCOME FROM INVESTMENTS	19,204,532	16,427,470
INTEREST EARNED	4,835,981	2,395,472
OTHER INCOME	53,249,824	53,359,793
OTHER RESEARCH PROJECTS	21,744,293	18,405,702
PRIOR PERIOD INCOME	-	-
TOTAL (A)	<u>1,195,821,949</u>	<u>948,036,116</u>
<u>EXPENDITURE:</u>		
STAFF PAYMENTS & BENEFITS	615,878,193	523,472,008
ACADEMIC EXPENSES	247,682,402	177,265,155
ADMINISTRATIVE & GENERAL EXPENSES	112,698,155	102,257,533
TRANSPORTATION EXPENSES	1,054,035	961,627
REPAIRS & MAINTENANCE	99,690,421	49,156,337
FINANCE COST	-	-
DEPRECIATION	246,219,797	238,996,569
OTHER EXPENSES	124,123,773	86,819,068
PRIOR PERIOD EXPENSES	36,786,151	-
TOTAL (B)	<u>1,484,132,927</u>	<u>1,178,928,297</u>
<u>BALANCE:</u>		
EXCESS OF EXPENDITURE OVER INCOME (A-B)	<u>288,310,977</u>	<u>230,892,181</u>

Receipts & Payments for the year ended 31.03.2015

RECEIPTS		Current Year	Previous Year	PAYMENTS		Current Year	Previous Year
Opening Balances:				Expenses:			
(a) Cash in hand	32,738		80,336	(a) Establishment Expenses	530,579,273		473,001,259
(b) Bank Balances:				(b) Administrative Expenses	405,160,415	935,739,689	338,260,096
(i) In current accounts	73,674,809		14,715,776				
(ii) Savings accounts	105,713,168	179,420,715	50,784,655	Payments Against Earmarked/Endowment Funds		26,865,939	51,043,743
Grants Received:				Payments Against Sponsored Projects/Schmes		81,599,273	65,521,313
(a) From Govt. of India Plan Grant - General	386,934,000	836,934,000	1,044,921,181	Investments Made Out of Earmarked/Endowment Fund		763,054,602	859,125,601
Non -Plan Grant	450,000,000	-----	-----	Out of Own Fund			
b) From State Govt.	----	-----	-----	Expenditure on Fixed Assets & Capital Work - in - progress:		734,285,158	249,738,121
Academic Receipts		340,523,835	408,488,416	Deposits & Advances		698,306,060	810,406,272
Receipts Against Earmarked/Endowment Funds		91,588,894	342,205,635	Payments made against Funds for various projects:		963,753,825	1,304,439,694
Receipts Against Sponsored Projects/Schmes		97,264,482	66,431,786	Any Other Payments :		67,007,522	546,445,574
Income on Investments		14,784,348	13,450,051	Closing Balances:			
Interest Received		4,358,055	2,395,472	(a) Cash in hand		182,639	32,738
Deposits & Advances		977,527,652	395,943,287	(b) Bank Balances:			
Investments Encashed		707,560,149	908,890,866	(i) In current accounts		31,367,042	73,674,809
Any other receipts:		1,163,941,917	1,629,094,927	(ii) Savings accounts		111,742,297	105,713,168
TOTAL		4,413,904,046	4,877,402,388	TOTAL		4,413,904,046	4,877,402,388

