

**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL
SRINIVASNAGAR, MANGALORE - 575 025 INDIA**



ANNUAL REPORT 2015-16

Website : www.nitk.ac.in
E-mail : director@nitk.ac.in

Tel : 0824-2474000 (7 lines)
Fax : 0824-2474033

NITK Surathkal – at a Glance

GOVERNANCE

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

TEAM NITK

13 Departments

01 School

248 highly qualified and dedicated faculty

184 committed supporting staff

5386 talented and motivated students

LIST OF DEPARTMENTS

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

SCHOOLS

- ✦ School of Management

Academic Programs

B.Tech. – 9 disciplines

M.Tech. – 25 Specializations

M.Tech. (Research) – All Specializations

MBA

MCA

M.Sc. (Chemistry)

M.Sc. (Physics)

Ph. D. – offered in all departments

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

INTERDISCIPLINARY CENTERS OF EXCELLENCE

Disaster Risk Reduction

Innovation

Material Research

Sustainable Technologies

System Design (Virtual Instrumentation)

Wireless Sensor Networks

Renewable Energy Integrated Smart Grid Technologies

ASSOCIATED CENTRES

Centre for Continuing Education, R&D center for - clay, Roofing Tiles & Ceramic Products, Industry Institute Partnership Cell; NITK Science and Technology Entrepreneurs Park (NITK-STEP), IGNOU study Centre.

CAMPUS

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

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

FACILITIES & SUPPORTS

150 + Classrooms, 140+ laboratories

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

BUDGET (2015-16)

Total Financial Outlay Rs. 141.31 Crores
Internal Revenue Generated Rs. 42.31 Crores
Consultancy & Testing Earnings Rs. 1.82 Crores
Corpus Fund of more than Rs. 54.43 Crores

PUBLICATIONS (2015-16)

International Journals – 418
National Journals – 28
International Conference – 318
National Conference – 60

DOCTORAL OUTPUT

2013-14 – 62 candidates
2014-15 – 60 candidates
2015-16 – 79 candidates
Doctoral students on rolls –642

EXTRA AND CO-CURRICULAR ACTIVITIES

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

TRAINING AND PLACEMENT

NITK is ranked among the top institutions for student placements. During 2015-16 about

240 companies visited. UG placements 89.58%, and 40.21% PG students got placement through the campus selection. The department also facilitates internships for students within India and overseas.

MOUs with Universities, Institutes and Industries (India)

- 1) Ministry of Housing and Urban Poverty Alleviation (MHUPA), 31st March 2016 Duration of the Mission.
- 2) Manipal University, Manipal, 24th February 2016, 5 Years
- 3) Centre for Development of Advanced Computing, Thiruvananthapuram, 14th January 2016, 2½ Years
- 4) PepsiCo India Holdings Pvt. Ltd, 4th November 2015
- 5) Hard Rock Regional Centre, National Institute of Hydrology, Belgaum, 20th October 2015, 5 Years

- 6) Council of Scientific and Industrial Research - Central Glass and Ceramic Research Institute (CSIR - CGCRI), 14th October 2015, 3 Years
- 7) Hexagon Capability Center India Private Limited, 14th October 2015, 3 Years
- 8) IBM India Pvt. Ltd., 1st October 2015, 3 Years
- 9) Shree Dharmasthala Manjunatheshwara Law College, Centre for Post Graduate Studies & research in Law, Mangalore, D. K., 4th September 2015, 5 Years
- 10) ABB Global Industries and Services Private Limited, 11th May 2015, 4 Years
- 11) Indian Institute of Science, a Deemed University, Bangalore, 27th April 2015, 3 Years

MOUs with Universities, Institutes and Industries (Foreign)

- 1) Centre for Marine Technology and Ocean Engineering (CENTEC), Institute Superior Tecnico, Universidade de Lisboa, Portugal, 24th February 2016, 5 Years
- 2) Huawei Technologies India Private Limited (HTIPL), 2nd February 2016, 3 Years
- 3) USC Viterbi School of Engineering, 14th December 2015, 3 Years
- 4) Department of Electrical and Computer Engineering Northeastern University Boston MA 02110, USA, 1st December 2015, 5 Years.
- 5) D'Amore-McKim School of Business Northeastern University Boston, MA 02110, USA, 1st December 2015, 5 Years.
- 6) Institute National De La Recherche Agronomique (Inra), France, 28th October 2015, 5 Years.
- 7) The School of Business and Engineering University of applied Sciences Western, Switzerland, Vaud (Heig - VD), 25th August 2015, 5 Years (Renewed)

TEQIP

One of the best performing lead institutions with a total financial support of Rs. 148.235 TEQIP II.

SCHOLARSHIPS & MEDALS

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

ANNUAL REPORT 2015-2016

CONTENTS

	Page No.
1. The Institute	1
2. Governance and Administration	3
3. Departments and Schools	10
4. Academic Programs	11
5. Admission Policies	13
6. Admission for 2015-16	15
7. Evaluation and Examination	36
8. Examination Results for 2014-15	37
9. Ph.D. Programmes and Doctorates Awarded	43
10. Human Resources	53
11. Facilities / Amenities	65
12. Student Activities	98
13. Research, Development & Consultancy Projects	100
14. Technical Events	214
15. Human Resource Development	239
16. Student Placements	246
17. Special Initiatives	263
18. Industry Institute Interaction	270
19. Significant Achievements	275
20. Associated Centres	282
21. Finance & Accounts	289

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 women, having special knowledge or practical experience in respect of education, industry, science or technology | Member |
| 13. Three members of Parliament, of whom two shall be chosen by the House of the people and one by the Council of States | Member |
| 14. Two Secretaries to the State Government, from amongst the ministries or departments of that Government dealing with technical education where the Institutes are located. | Member |
| 15. Financial Adviser, Ministry of HRD, Government of India | Member |
| 16. Joint Secretary(Technical)/Additional Secretary(Technical), Department of Higher Education, Ministry of HRD, GOI | Member |

BOARD OF GOVERNORS

- | | |
|--|-------------|
| 1 Ms.Vanitha Narayanan
Managing Director
IBM India Private Limited
Embassy Gol Links Business Park
Block A,Off Indiranagar
Koramangala Intermediate Ring Road
Bangalore-560071 | Chairperson |
| 2 Shri Shashi Prakash Goyal
Joint Secretary(T)
Ministry of Human Resource Development
Dept.of Higher Education,Technical Education Bureau
Shastri Bhavan, New Delhi-110015. | Member |

3	Ms.Darshana M Dabral Joint Secretary and Financial Advisor Ministry of Human Resource Development Dept.of Higher Education, Technica lEducation Bureau 120-C, Shastri Bhawan, NewDelhi-110001	Member
4	Badekai Ramachandra Bhat,Ph.D. Professor, Department of Chemistry, NITK, Surathkal.	Senate nominee to the Board
6	G.N.Kumar, Ph.D. Asst.Professor, Dept.o fMechanical Engg. N.I.T.K.,SURATHKAL.	Senate nominee to the Board
7	Shri Mudda Kedarnath Advisor-Aditya Birla Group #17,Shankar Nilaya 8thMain,18thCross Upper Palace Orchard Sadashivnagar Bengaluru-560080.	Member
8	Dr.Shanth Averahally Thimmaiah Managing Director M/s.METAMORPHOSIS Project Consultants Private Limited 2 nd Floor,39 th main,4thCross Behind silk board, BTM Layout, 2nd stage, Bengaluru-560068	Member
9	Swapan Bhattacharya, Ph.D. (from 1.8.2012 to 28.12.2015) Director NITK, Surathkal	Member
	Srinivasan Sundarrajan, Ph.D. (from 29.12.15 to 24.6.2016) Director i/c N.I.T.K.SURATHKAL	Member
10	Shri K.Ravindranath Registrar N.I.T.K.,SURATHKAL.	Secretary

FINANCE COMMITTEE

- | | | |
|---|---|--------------------------------|
| 1 | Ms.Vanitha Narayanan
Managing Director
IBM India Private Limited
Embassy Golf Links Business Park
Block A,Off Indiranagar
Koramangala Intermediate Ring Road
Bangalore-560071 | Chairperson |
| 2 | Shri Shashi Prakash Goyal
JointSecretary (TE)
Ministry of Human Resource Development
Dept.of Higher Education,Technical Education Bureau
122B-C Shastri Bhavan, NewDelhi-110001 | Member |
| 3 | Ms.Darshana M Dabral
Joint Secretary and Financial Advisor
Ministry of Human Resource Development
Dept.of Higher Education,Technical Education Bureau
120-C,Shastri Bhawan, NewDelhi-110001. | Member |
| 4 | Dr.Shanth Averahally Thimmaiah
Managing Director
M/s.METAMORPHOSIS Project Consultants Private
Limited 2 nd Floor, 39 th main,4 th Cross
Behind silk board, BTM Layout, 2 nd stage,
Bengaluru-560068 | Member |
| 5 | Badekai Ramachandra Bhat, Ph.D.
Professor, Department of Chemistry,
NITK, Surathkal. | Senate nominee to the
Board |
| 6 | Swapan Bhattacharya, Ph.D. (from 1.8.2012 to
28.12.2015)
Director
NITK, Surathkal | Member |
| | Srinivasan Sundarrajan, Ph.D. (from 29.12.15 to
24.6.2016)
Director i/c
N.I.T.K.SURATHKAL | |
| 7 | Shri K.Ravindranath
Registrar
N.I.T.K.,SURATHKAL. | Member Secretary |

BUILDING AND WORKS COMMITTEE

- | | | |
|---|---|----------|
| 1 | Swapan Bhattacharya, Ph.D. (from 1.8.2012 to
28.12.2015)
Director
N.I.T.K. Surathkal | Chairman |
|---|---|----------|

	Srinivasan Sundarrajan, Ph.D. (from 29.12.15 to 24.6.2016) Director i/c N.I.T.K.SURATHKAL	
2	Shri. Sanjeev K Sharma Director – NITs, Dept of Higher Education, MHRD, GOI, Shastri Bhavan, New Delhi.	Member
3	Shri. K Uday Principal Chief Architech, PW, P & IWTD State PWD, K R Circle, Bengaluru – 560 001	Member
4	M C Narasimhan Dean (P&D), NITK, Surathkal Mangaluru – 575 025	Member
5	Shri M Seetarama Rao Superintending Engineer (Civil), CPWD Mysore Central circle, T Narasipura Road Siddarthnagar, Mysuru – 570 011	Member
6	Sri S N Rai Superintending Engineer (Ele). CPWD, Bangalore Central Electrical Circle Kendriya Sadana, Koramangal, Bengaluru - 560034	Member
7	Ravindranath Registrar NITK, Surathkal, Post Srinivasnagar, Mangalore-575 025	Member Secretary

OTHER COMMITTEES

SENATE

Swapan Bhattacharya, Ph.D. (from 1.8.2012 to 28.12.2015)		
S.Sundarrajan, Ph.D. (from 29.12.15 to 24.6.2016) ...	Chairman	
K Ravindranath	...	Secretary

Members

A.ChitharanjanHegde, Ph.D.	A.Kandaswamy, Ph.D.
A.Mahesha, Ph.D.	A.NityanandaShetty,Ph.D.PPh
A.VittalHegde, Ph.D.	A.H.Sequeira, Ph.D.
A.O.Surendranathan, Ph.D.	A.U.RaviShankar, Ph.D.
A.V. Adhikari, Ph.D.	AnanthanarayanaV.S., Ph.D.
B.RajMohan, Ph.D.	B.RamachandraBhat, Ph.D.
Ch.S.N.Murthy, Ph.D.	D.KrishnaBhat, Ph.D.
D.Venkat Reddy, Ph.D.	DwarakishG.S., Ph.D.
D.V.R.Murthy, Ph.D.	G.RamMohanaReddy, Ph.D.
G.Srinikethan, Ph.D.	G.Umesh, Ph.D.
G.C.Mohan Kumar, Ph.D.	GangadharanK.V., Ph.D.
GopalMugeraya, Ph.D.	H.SureshHebbar, Ph.D.
H.D.Shashikala, Ph.D.	JagannathNayak, Ph.D.

John D'Souza, Ph.D.	K.B.Kiran, Ph.D.
K.Chandrasekaran, Ph.D.	K.K.Appu Kuttan, Ph.D.
K.Narayan Prabhu, Ph.D.	K.Panduranga Vittal, Ph.D.
K.Rajendra Udupa, Ph.D.	K.Swaminathan, Ph.D.
K.N.Lokesh, Ph.D.	K.S.Babu Narayan, Ph.D.
KasturiV. Bangera, Ph.D.	Katta Venkataramana, Ph.D.
Keshava Prasad Halemane, Ph.D.	Kiran G. Shirlal, Ph.D.
M. GovindaRaj, Ph.D.	M.B.Saidutta, Ph.D.
M.C.Narasimhan, Ph.D.	M.K. Nagaraj, Ph.D.
M.S.Bhat, 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.
PrasadKrishna, Ph.D.	Ravikiran Kadoli, Ph.D.
S.Shrihari, Ph.D.	S.Sumam David, Ph.D.
S.M.Hegde, Ph.D.	S.M.Kulkarni, Ph.D.
Santosh George, Ph.D.	Sitaram Nayak, Ph.D.
Srikantha S.Rao, Ph.D.	Subba Rao, Ph.D.
Subhas C.Yaragal, Ph.D.	T.P.Ashok Babu, Ph.D.
U.Sripati, Ph.D.	Udaya BhatK, Ph.D.
Udayakumar R.Y., Ph.D.	V.RamaSastry, Ph.D.
Varghese George, Ph.D.	VijayH Desai, Ph.D.
VinathaU, Ph.D.	VaniM.
P.G.Mohanan, Ph.D.	Anusuya Chakari
Ramakrishnan B Prashanth, Ph.D.	Spl. Invitee
Mithila Bhagavathi M, Ph.D.	Spl. Invitee

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

1. Dean (Academic)	Chairman
2. Dean (Faculty Welfare)	Member
3. Dean (Planning & Development)	Member
4. Dean (Students' Welfare)	Member
5. Dean (Research & Consultancy)	Member
6. Dean (Alumni Affairs & Institutional Affairs)	Member
7. H.O.D. of each Department/his nominee	Members
8. BOG member representing the faculty	Member
9. Three Representatives from the premier	Member
a. Academic Institutions such as IIT, NIT, IISc.,	
b. IIM, others belonging to Southern region	Members
10. Assistant Registrars (Academic)	Member
11. Registrar	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. B R Bhat, Ph.D., from 24.3.2015	Member
4. Kumar G N, Ph.D, from 11.2.2016	Member
5. M K Nagaraj, R. E. i/c till 15.9.2015	Member
6. D N Goankar, Ph.D. from 16.9.2015	Member
7. K Ravindranath, Registrar	Member
8. Laxminidhi T, Ph.D.	Member
9. C.Vairavanathan, Asst. Executive Engineer	Member
10.H.D. Shashikala, Ph.D.	Member
11.Basavaraju Manu, Ph.D.	Member
	Secretary

INSTITUTE GRIEVANCE COMMITTEE

1. A Nithyananda Shetty, Ph.D., from 30.1.2013	Chairman
2. Sripathi U, Ph.D.,Professor, Dept. of E&C Engg.	Member
3. Satyanarayana, Ph.D., Asst. Professor, Dept. of Physics	Member
4. Sam Johnson P, Ph.D., Dept. of MACS	Member
5. Mrs. Yashavanthi, Asst. Executive Engineer Dept. of Computer Engg.	Member
6. Vijaykumar Ghode., Sr. Scintific Officer, Central computer Centre	Member
7. Gangamma S, Ph.D., Asst. Professor, Chemical Engg.	Member

SECURITY COMMITTEE

1. Dean (Faculty Welfare)	Chairman
2. Dean (Planning & Development)	Member
3. Dean (Students Welfare)	Member
4. Registrar	Member
5. S S Kamath, Chairman, CCC	Member
6. Narendranath, Ph.D., Prof. i/c – Hostel Affairs,	Member
7. Resident Engineer	Member
8. Basavaraju Manu, FIC- E&W	Member
9. Y. Ram Mohan, Dy. Registrar (A/c's)	Member
10. Mr. Anirudh Ganesh, Students Council President	Member
11. Mr. Mayank Kedia, Students Council Secretary	
12. Ms. Ansu George, UG girls representative	Member
13. Mrs. Syra Habeeb, PG girls representative	Member
14. Rame Gowda, Field Officer/ Representative, KSS	Invitee
15. Mr. Manohar Karanth, Security Officer	Secretary
16. Mr. Joachim Menezes, Security Supervisor	Invitees

LIBRARY ADVISORY COMMITTEE

1. D V R Murthy, Ph.D.	Chairman
2. Mrs. Anasuya C, Ph.D.	Secretary
3. Amba Shetty, Ph.D.	Library
4. Prasanna B D, Ph.D.	Member
4. A C Hegde, Ph.D	Member
5. Arun Kumar Thalla, Ph.D.	Member
6. Jeny Rajan, Ph.D.	Member
7. Nagendrappa H, Ph.D.	Member
8. P Srihari, Ph.D.	Member
9. Sowmya Kamath, Ph.D.	Member
10. B R Shankar, Ph.D.	Member
11. Anish S, Ph.D.	Member
12. Shashi Bhushan Arya, Ph.D.	Member
13. B M Kunar, Ph.D.	Member

14.	T K Shajahan, Ph.D.	Member
15.	Bijuna C Mohan, Ph.D.	Member
16.	Mr. Iranna M Shettar	Member

SPORTS ADVISORY COMMITTEE

1.	Director	President
2.	Dean (S. W.)	Chairman
3.	Dean (F.W.)	Member
4.	Registrar	Member
5.	Dy. Registrar (A/cs.)	Member
6.	Resident Engineer	Member
7.	Professor in charge of Hostel Affairs	Member
8.	N Lakshman, Ph.D.	Member
9.	Jagannath Nayak, Ph.D.	Member
10.	B M Dodamani, Ph.D	Member
11.	Aruna M, Ph.D.	Member
12.	Ms. Kalpana Bhat	Member
13.	Ram Prasad Chowdhury, Ph.D.	Member
14.	Biju Mohan, , Ph.D.	Member
15.	Iranna Shettar	Member
16.	Hariprasad, , Ph.D.	Member
17.	Students Union President	Member
18.	Girls Representatives	Members
19.	R.C. Convener	Member
20.	All Captains	Members
21.	SAS officers	Members
22.	Asst. Physical Director	Member Secretary

NITK HEALTH CARE COMMITTEE

1.	Dean Faculty Welfare	Chairman
2.	Girls Hostel Warden	Member
3.	Professor Incharge Hostel Affairs	Member
4.	SC/ST Cell Liaison Officer	Member
5.	Faculty Representative	Member
6.	Staff representative	Member
7.	Women Representative (a) from Faculty (b) from staff	Member
8.	Deputy Registrar (A/C)	Member
9.	Supdt. Accts III	Member
10.	President Students Council	Member
11.	Girls Representative	Member
12.	Medical Officer	Member
13.	Medical Officer	Secretary

COMPLAINTS COMMITTEE

1.	Santi Thilagam, Ph.D.	Chairperson
2.	C P Devatha, Ph.D.	Member
3.	Aruna M, Ph.D.	Member
4.	Yogeesh	Member
5.	Parvathi	Member
6.	Anasuya Chakari	Member
7.	Manjula V Prasad,	Secretary

3 DEPARTMENTS & SCHOOLS

Departments:

1	Applied Mechanics & Hydraulics	(AM)
2	Chemical Engineering	(CH)
3	Chemistry	(CY)
4	Civil Engineering	(CV)
5	Computer Engineering	(CO)
6	Electrical & Electronics Engineering	(EE)
7	Electronics & Communication Engineering	(EC)
8	Information Technology	(IT)
9	Mathematical & Computational Sciences	(MA)
10	Mechanical Engineering	(ME)
11	Metallurgical & Materials Engineering	(MT)
12	Mining Engineering	(MN)
13	Physics	(PH)

Schools

1.	School of Management	(SM)
----	----------------------	------

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.	2015-16	B.Tech.	13.07.2015	26.07.2015
2.	2015-16	M.Tech./M.Tech. by Research	01.07.2015	18.07.2015
3.	2015-16	MCA	9.07.2015	28.07.2015
4.	2015-16	M.B.A.		
5.	2015-16	M.Sc. (Physics & Chemistry)	01.07.2015	09.07.2015
6.	2015-16 (July Session)	Ph.D.		
	December Session	Ph.D.		

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 counseling through Joint Seat Allocation Authority (JOSAA)/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 NIT Rourkela.

After CCMT allotment of seats, the vacant and unfilled seats were filled in Spot admission on 6.8.2015 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 on CAT/GMAT 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 2015-16**6.1 The number of candidates admitted are as follows:****I. B.Tech.**

1	Admission through JEE (Main) Rank	713
2	G.O.I. Nominee- through Ministry of External Affairs (Education & Welfare)	06
3	DASA Scheme	106
Total		825

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	455
2	Sponsored candidates	02
3	Admission under ICCR	01
4	Admission under DASA Scheme	02
5	QIP candidates	04
6	L&T Sponsored Candidates	30
Total		494

M.Tech. (By Research)

1	GATE qualified with Scholarship	19
2	Internal Registrants	01
3	External Registrants	04
Total		24

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 of 90 candidates admitted were as follows:-

OP	46
OBC	25
SC	12
ST	07
Total	90

IV M.B.A.:

Selection of candidates were made on the basis of CAT/GMAT 2015 score followed by Group Discussion and Interview. A total of 34 candidates were admitted as follows:-

OP	27
OBC	03
SC	03
ST	01
Total	34

V. M.Sc (Chemistry & Physics)

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

i. M.Sc (Chemistry)

OP	13
OBC	07
SC	01
ST	01
Total	22

ii M.Sc (Physics)

OP	12
OBC	07
SC	04
ST	02
Total	25

VI. Ph.D. Programme:

Op	77
OBC	40
SC	22
ST	06
Sponsored	04
VTU	13
Total	162

External Registrants (Part Time)

External Registrants	18
Internal Registrants	3
Total	21

A total number of 825 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 2015-16.

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	14	0	14	5	1	6	21	3	24	9	5	14	1	0	1	33	10	43	83	19	102
Mechanical Engg.	20	0	20	9	2	11	36	2	38	22	2	24	1	0	1	67	0	67	155	6	161
Electrical & Electronics Engg.	11	3	14	6	0	6	18	5	23	13	1	14	0	1	1	31	13	44	79	23	102
Electronics & Communication Engg.	11	2	13	4	3	7	20	5	25	15	2	17	2	0	2	33	13	46	85	25	110
Chemical Engg.	5	1	6	4	0	4	11	1	12	7	1	8			0	9	13	22	36	16	52
Metallurgical & Materials Engg.	4	3	7	3	1	4	11	0	11	0	0	0	0	0	0	13	8	21	31	12	43
Mining Engg.	5	1	6	2	1	3	10	0	10	0	0	0	0	0	0	22	1	23	39	3	42
Computer Engg.	9	4	13	6	1	7	19	5	24	13	3	16	1	0	1	38	7	45	86	20	106
Information Technology	8	5	13	3	3	6	14	12	26	10	2	12	0	0	0	32	12	44	67	34	101
Total	87	19	106	42	12	54	160	33	193	89	16	105	5	1	6	278	77	355	661	158	819

B.Tech II 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	37	9	46	81	23	104
Mechanical Engg.	19	0	19	10	0	10	38	0	38	21	1	22	0	0	0	67	3	70	155	4	159
Electrical & Electronics Engg.	10	4	14	5	0	5	20	6	26	9	4	13	1	1	2	33	14	47	78	29	107
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	16	6	22	36	18	54
Metallurgical & Materials Engg.	4	3	7	2	2	4	9	2	11	0	0	0	0	0	0	9	7	16	24	14	38

Mining Engg.	6	0	6	4	0	4	10	1	11	1	0	0	0	16	0	16	37	1	38
Computer Engg.	8	7	15	7	0	7	21	4	25	12	4	16	1	28	18	46	77	33	110
Information Technology	8	5	13	3	2	5	13	13	26	6	5	11	0	25	21	46	55	46	101
Total	82	27	109	44	9	53	156	41	197	72	29	101	4	266	90	356	625	197	822

III 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	5	13	1	0	1	32	5	37	77	17	94
Mechanical Engg.	19	1	20	9	0	9	37	1	38	18	0	18	1	0	1	68	1	69	152	3	155
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	36	11	47	86	24	110
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.	10	2	12	7	0	7	21	4	25	11	5	16	0	1	1	33	13	46	82	25	107
Information Technology	5	9	14	4	1	5	21	7	28	5	5	10	0	0	0	28	16	44	63	38	101
TOTAL	92	16	108	45	7	52	164	32	196	66	27	93	2	3	5	282	67	349	651	152	803

IV 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.	18	2	20	8	1	9	38	1	39	13	1	14	2	0	2	68	2	70	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	24	0	24	13	1	14	0	1	1	42	3	45	94	11	105
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	14	5	19	35	6	41		
Mining Engg.	6	1	7	3	0	3	11	1	12	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	6	45	83	21	104		
Information Technology	13	1	14	6	1	7	23	3	26	5	4	9	0	0	12	46	81	21	102		
TOTAL	89	18	107	44	9	53	182	18	200	65	16	81	4	4	8	304	51	355	688	116	804

M.Tech. Students Strength for the year 2015-16																								
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	To	M	F	To	M	F	To	M	F	To
CIVIL ENGG :- Structural Engg.	4	0	4	2	0	2	3	5	8	0	0	0	0	0	0	8	2	10	17	7	24			
Geotechnical Engg.	2	0	2	0	0	0	1	3	4	1	0	1	0	0	0	0	7	7	4	10	14			
Environmental Engg.	2	2	4	0	0	0	3	3	6	0	0	0	0	0	0	5	8	13	10	13	23			
Transportation Systems Engg.	4	0	4	1	1	2	3	4	7	0	0	0	0	0	6	7	13	14	14	12	26			
Construction Technology & Mgt.	2	2	4	1	0	1	4	4	8	0	0	0	0	27	11	1	12	45	8	53				
APPLIED MECHANICS & HYDRAULICS:- Marine Structures	2	1	3	0	0	0	4	2	6	0	0	0	0	0	7	4	11	13	7	20				
Water Resources Engg. & Management	1	0	1	0	0	0	0	4	4	0	0	0	0	0	5	2	7	6	6	12				
Remote Sensing & GIS	1	0	1	0	0	0	0	2	2	0	0	0	0	0	6	4	10	7	6	13				
MECHANICAL ENGG :- Thermal Engg.	1	0	1	1	0	1	4	0	4	1	0	1	0	0	6	0	6	14	0	14				
Mechatronics Engg.	4	0	4	2	0	2	6	0	6	1	0	1	0	0	12	1	13	25	1	26				
Manufacturing Engg.	2	0	2	1	0	1	2	0	2	0	0	0	0	0	6	0	6	11	0	11				

Design and Precision Engg.	2	0	2	1	0	1	3	0	3	0	0	0	0	0	0	0	0	0	0	6	0	6	12	0	12
ELECTRICAL & ELECTRONICS ENGG:-Power & Energy Systems	2	0	2	2	0	2	2	3	5	0	0	0	0	0	0	0	0	0	0	8	1	9	14	4	18
ELECTRONICS & COMMUNICATION ENGG:- VLSI Design	3	1	4	2	0	2	6	0	6	0	0	1	0	1	0	0	0	0	0	9	4	13	21	5	26
Communication Engg.	2	1	3	1	0	1	5	1	6	0	0	0	1	1	1	2	9	4	4	9	4	13	19	7	26
CHEMICAL ENGG:- Chemical Plant Design	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	4	0	4	4	0	4	5	1	6
Industrial Pollution Control	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	4	4	3	7	4	3	7	7	4	11
Industrial Biotechnology	2	1	3	0	0	0	2	4	6	0	0	0	0	0	0	2	11	13	6	2	11	13	6	16	22
M & M ENGG:- Process Metallurgy	2	0	2	0	0	0	2	0	2	0	0	0	0	0	0	4	4	0	4	4	0	4	8	0	8
Materials Engg.	4	0	4	0	0	0	5	0	5	0	0	0	0	0	0	11	0	11	0	11	0	11	20	0	20
Nanotechnology	0	1	1	0	0	0	1	2	3	0	0	0	0	0	0	1	1	2	2	1	2	2	2	4	6
COMPUTER ENGG:- Computer Science & Engg	2	1	3	1	0	1	3	2	5	0	0	0	0	0	0	10	3	13	16	10	3	13	16	6	22
Computer Science & Engg. - Information Security	3	0	3	2	0	2	5	1	6	0	0	0	0	0	0	7	3	10	17	7	3	10	17	4	21
MACS:- Computational Mathematics	1	1	2	0	0	0	3	1	4	0	0	0	0	0	0	8	1	9	12	8	1	9	12	3	15
INFORMATION TECHNOLOGY	1	1	2	0	0	0	3	1	4	0	0	0	0	0	0	8	2	10	12	8	2	10	12	4	16
TOTAL	52	13	65	17	1	18	71	43	114	3	0	3	3	0	3	28	2	30	163	69	232	337	128	465	

M.Tech (II Year)	SC			ST			OBC			QIP			DASA			Sponsored			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
CIVIL ENGG :- Structural Engg.	3	1	4	2	0	2	5	2	7	1	0	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	1	2	5	7	6	8	14			
Environmental Engg.	3	1	4	2	0	2	3	4	7	0	0	0	0	0	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	7	6	13	16	9	25			
Construction Technology & Mgt.	3	0	3	1	0	1	6	1	7	0	0	0	0	0	25	5	30	11	12	46	7	53		
APPLIED MECHANICS & HYDRAULICS:- Marine Structures	4	0	4	1	0	1	5	2	7	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	4	3	7	8	7	15			
Remote Sensing & GIS	3	0	3	0	1	1	4	3	7	0	0	0	0	0	0	7	6	13	14	10	24			
MECHANICAL ENGG :- Thermal Engg.	2	0	2	0	0	0	4	0	4	0	0	0	1	0	0	6	0	6	13	0	13			
Mechatronics Engg.	4	0	4	2	0	2	7	0	7	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	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	1	6	1	7	13	1	14			
ELECTRICAL & ELECTRONICS ENGG:- Power & Energy Systems	4	0	4	1	1	2	5	2	7	0	0	0	0	0	0	7	6	13	17	9	26			
ELECTRONICS & COMMUNICATION ENGG:- VLSI Design	3	1	4	2	0	2	3	3	6	0	0	0	1	0	0	9	2	11	18	6	24			
Communication Engg.	3	1	4	1	1	2	5	2	7	0	0	0	1	1	1	9	4	13	20	9	29			
CHEMICAL ENGG:-Chemical Plant Design	1	0	1	0	0	0	1	3	4	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	5	7	12	9	10	19				
Industrial Biotechnology	1	2	3	1	0	1	2	5	7	0	0	0	0	0	4	9	13	8	16	24				

MCA Students Strength for the year 2015-16															
Year	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I Year	9	3	12	7	0	7	21	3	24	28	17	45	65	23	88
II YEAR	4	7	11	3	3	6	15	10	25	28	17	45	50	37	87
III YEAR	11	3	14	4	3	7	22	1	23	38	9	47	75	16	91
TOTAL	24	13	37	14	6	20	58	14	72	94	43	137	190	76	266

MBA Students Strength for the year 2015-16															
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	0	1	1	4	1	5	13	12	25	19	15	34
II YEAR	1	1	2	0	0	0	1	1	2	27	6	33	29	8	37
TOTAL	3	2	5	0	1	1	5	2	7	40	18	58	48	23	71

M.Sc (Chemistry) Students Strength for the year 2015-16															
YEAR	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	1	0	1	0	1	1	2	5	7	3	10	13	6	16	22
II YEAR	2	1	3	1	1	2	3	4	7	2	10	12	8	16	24
TOTAL	3	1	4	1	2	3	5	9	14	5	20	25	14	32	46

M.Sc (Physics) Students Strength for the year 2015-16															
YEAR	SC			ST			OBC			GENERAL			TOTAL		
	M	F	To	M	F	To	M	F	To	M	F	To	M	F	To
I YEAR	2	2	4	0	2	2	1	5	6	5	7	12	8	16	24
II YEAR	0	0	0	2	0	2	2	5	7	2	11	13	6	16	22
TOTAL	2	2	4	2	2	4	3	10	13	7	18	25	14	32	46

Ph.D. Students Strength for the year 2015-16																											
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	5	2	7	2	0	2	6	4	10	1	0	1	0	1	0	1	0	0	0	0	0	21	19	40	35	26	61
App. Mechanics	5	1	6	1	0	1	4	1	5	1	0	1	0	1	2	0	0	2	0	0	34	8	42	47	11	58	
Mechanical	12	0	12	5	0	5	23	2	25	3	0	3	1	0	1	1	0	1	0	1	73	4	77	118	6	124	
E&E	5	0	5	2	0	2	6	1	7	0	0	0	0	0	3	1	4	23	3	26	39	3	26	39	5	44	
E&C	1	0	1	2	0	2	3	0	3	1	1	2	1	0	1	5	0	5	18	10	28	31	11	11	42		
Chemical	4	3	7	1	1	2	2	3	5	1	1	2	0	0	1	0	1	9	16	25	18	24	18	24	42		
Metallurgy	4	0	4	1	0	1	9	1	10	0	0	0	0	0	0	0	0	20	3	23	34	4	4	38			
Mining	6	0	6	0	0	0	3	0	3	1	0	1	0	0	1	0	1	10	1	11	21	1	1	22			
Computer Information Technology	3	0	3	1	1	2	1	1	2	2	2	4	0	0	7	2	9	13	5	18	27	11	11	38			
Physics	2	0	2	1	0	1	2	0	2	0	0	0	0	0	0	0	0	10	2	12	15	2	2	17			
Chemistry	0	1	1	0	0	0	9	1	10	0	0	0	0	0	0	0	0	24	15	39	33	17	17	50			
MACS	1	1	2	3	0	3	9	5	14	0	0	0	0	0	0	0	0	12	8	20	25	14	14	39			
School of Mgt.	2	1	3	1	0	1	2	4	6	0	0	0	0	0	1	2	3	11	10	21	17	17	17	34			
Total	53	12	65	20	2	22	86	24	110	10	4	14	2	4	21	5	26	287	114	401	479	163	642				

* OTHERS= SPON-24+IR 2

**6.3 ADMISSION STATISTICS Undergraduate Programmes – B. Tech.
Particulars of sanctioned intake and admissions made during 2015-16**

Sl. No.	Courses offered	Sanctioned intake					Admissions made to Undergraduate Programmes					Total Admissions	
		Normal Intake	G.O.I Nominees	DASA (Direct Admission of Students Abroad)	Total	Normal Intake				G.O.I Nominees	DASA (Direct Admission of Students Abroad)		
						SC	ST	OBC	PWD				OP
1	Civil Engg.	92	3	16	111	14	7	23	1 OBC, 3 OP	40	1	14	103
2	Mechanical Engg.	139	3	22	164	19	10	38	2 OP, 1 SC, 1 ST	65	1	24	161
3	Electrical & Electronics Engg.	93	4	14	111	14	6	24	2 OP	42	1	14	103
4	Electronics & Communication Engg.	93	3	16	112	14	7	24	1 OBC	46	2	17	111
5	Chemical Engg.	46	2	8	56	6	4	11	1 OBC	22	0	9	53
6	Metallurgical & Materials Engg.	46	0	3	49	7	4	11	0	21	0	0	43
7	Mining Engg.	46	0	3	49	6	3	10	0	23	0	0	42
8	Computer Engg.	92	2	16	110	13	7	23	1 OBC, 3 OP	43	1	16	107
9	Information Technology	93	0	13	106	13	6	26	1 OBC, 2 OP	42	0	12	102
	Total	740	17	111	868	106	54	190	5 OBC, 12 OP 1 SC, 1 ST	344	6	106	825

Details of Male & Female admissions – course wise and category wise
ADMISSION STATISTICS – B. Tech. 2015-16
Details of Male & Female admissions – course wise and category wise

Sl. No.	Courses offered	OP		OBC		SC		ST		MEA		DASA		TOTAL		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	TO
1	Civil Engg. Mechanical Engg.	30+3PD	10	20+1PD	3	14	0	6	1	1	0	9	5	84	19	103
2	Electrical & Electronics Engg.	65+2PD	0	36	2	19+1PD	0	9	1+1PD	1	0	22	2	155	6	161
3	Electronics & Communication Engg.	30+1PD	12+1PD	19	5	11	3	6	0	0	1	13	1	80	23	103
4	Chemical Engg.	33	13	19+1PD	5	12	2	4	3	2	0	15	2	86	25	111
5	Metallurgical & Materials Engg.	9	13	10+1PD	1	5	1	4	0	0	0	7	2	36	17	53
6	Mining Engg.	22	1	10	0	5	1	2	1	0	0	0	0	39	3	42
7	Computer Engg.	37+2PD	6+1PD	18+1PD	5	9	4	6	1	1	0	13	3	87	20	107
8	Information Technology	30+2PD	12	14+1PD	12	8	5	3	3	0	0	10	2	68	34	102
9	Total	269+ 10PD	75+ 2PD	157+ 5PD	33	87+ 1PD	19	43	11+ 1PD	5	1	89	17	666	159	825

PD= Persons with Disability

ADMISSION STATISTICS - POST GRADUATE PROGRAMMES
M. Tech. Programme - Particulars of Intake and Admissions during 2015-16

Sl. No.	Name of the Programmes	Intake	Admitted			Out of the total admissions-No. of candidates admitted under category																									
			GATE (Scholarship seats)	Other	Total			SC			ST			OBC			OC			PWD											
					M	F	TO	M	F	TO	M	F	TO	M	F	TO	M	F	TO	M	F	TO									
1	Structural Engg.	27+1*	26	-	18	8	26	4	0	4	2	0	2	3	5	8	4	0	4	2	0	2	3	5	8	9	3	12	0	0	0
2	Geotechnical Engg.	15+1**+1*	13	1 QIP (Regular)	4	10	14	2	0	2	0	0	0	1	3	4	1 QIP (Regular)	7	8	0	0	0	0	0	0	0	0	0	0	0	0
3	Environmental Engg.	27+1*	23	-	10	13	23	2	2	4	0	0	0	3	3	6	5	8	13	0	0	0	0	0	0	0	0	0	0	0	0
4	Transportation Engg.	27+1*	27	-	15	12	27	3	0	3	1	1	2	3	4	7	7	7	14	1	SC	0	1	0	0	0	0	0	0	0	0
5	Construction & Technology & Management	27+1*+30 (L&T)	25	30 L&T Spon.	18+29 L&T	7+1 L&T	55	2	2	4	1	0	1	4	4	8	11+29L&T	1+1L&T	42	0	0	0	0	0	0	0	0	0	0	0	0
6	Marine Structures	27+1**+1*	20	-	13	7	20	2	1	3	0	0	0	4	2	6	7	4	11	0	0	0	0	0	0	0	0	0	0	0	0
7	Water Resources Engineering & Management	15+1*	12	-	6	6	12	1	0	1	0	0	0	0	4	4	5	2	7	0	0	0	0	0	0	0	0	0	0	0	0
8	Remote Sensing & Geographic Information Systems	27+1**+1*	13	-	7	6	13	1	0	1	0	0	0	0	2	2	6	4	10	0	0	0	0	0	0	0	0	0	0	0	0

9	Design and Precision Engg.	15+1*	13	-	13	0	13	0	2	0	2	1	0	0	1	4	0	4	6	0	6	0	0	0
10	Manufacturing Engg.	15+1*	12	-	12	0	12	0	2	2	0	1	0	0	1	2	0	2	7	0	7	0	0	0
11	Mechatronics Engg.	27+1*	26	1 QIP (Poly)	26	1	27	4	4	0	4	2	0	0	2	6	0	6	13+1 QIP (P)	1	15	0	0	0
12	Thermal Engineering	15+1**+1*	14	1 DASA+1 QIP(Regular)	16	0	16	2	2	0	2	1+1 QIP (Regular)	0	0	2	4	0	4	7	0	7	0	0	0
13	Power & Energy Systems	27+1*	22	-	18	4	22	3	0	3	0	2	0	0	2	3	3	6	9	1	10	1	0	1
14	VLSI Design	27+1**+1*	26	1 ICCR	22	5	27	3	1	4	2	2	0	0	2	7	0	7	9	4	13	0	0	0
15	Communication Engg.	27+1**+1*	25	1 DASA+2 Spon	20	8	28	3	1	4	1	1	0	0	1	5	2	7	9+1spon.	4+1	15	0	0	0
16	Chemical Plant Design	15+1*	7	-	5	2	7	0	1	1	1	0	0	0	0	1	1	2	4	0	4	0	0	0
17	Industrial Pollution Control Engg.	27+1*	11	-	7	4	11	3	1	4	2	0	0	0	0	0	0	0	4	3	7	0	0	0
18	Industrial Biotechnology	27+1*	22	-	6	16	22	2	1	3	0	0	0	0	2	4	4	6	2	11	13	0	0	0
19	Materials Engg.	27+1*	21	-	21	0	21	4	0	4	0	0	0	0	0	5	0	5	12	0	12	0	0	0
20	Process Metallurgy	15+1**+1*	8	-	8	0	8	2	0	2	0	0	0	0	2	0	0	2	4	0	4	0	0	0
21	Nanotechnology	15+1*	6	-	2	4	6	0	1	1	0	0	0	0	1	2	3	1	1	1	2	0	0	0

22	Computer Science & Engg.	27+1**+1*	26	1 QIP (Poly)	21	6	27	3+1Q IP(P)	1	5	2	0	2	4	2	6	10	3	13	10B C	0	1
23	Computer Science & Engg. - Information Security	27+1*	24	-	19	5	24	3	0	3	2	0	2	6	1	7	8	4	12		0	0
24	Information Technology	27+1*	17	-	12	5	17	1	1	2	0	0	0	3	1	4	7	3	10	10C	0	1
25	Computational Mathematics	27+1*	16	-	13	3	16	1	1	2	0	0	0	3	1	4	9	1	10		0	0
Total			455	2 QIP(Re) +2QIP(P) +2DASA+ 2Spon+1 ICCR+30 L&T Spon.	332+ 29L& T	132 + 1L& T	494	55+ 1QIP (P)	14	70	18+ 1 QIP (Regul ar)	1	20	76	44	120	171+ 1QIP (P)+ 1QIP (Re) +1sp on+ 29L& T	72+ 1Sp on. +1L &T	277	15C+ 20B C+10 C	0	4

** 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. (BY RESEARCH) 2015-16

Intake

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

Admission made for the year 2015-16

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	Construction Technology & Management	1(SC)		1	-	1
3	Thermal Engg.	3(OC)+1(OBC)	-	4	-	4
4	Manufacturing Engg.	1(SC)	1(OC)ER- Spon	2	-	2
5	Mechatronics Engg.	-	1(OBC)-N Spon N+1(OBC)- IR NITK +1(OC)- N Spon	3		3
6	Design & Precision Engg.	2 (OC)	-	2	-	2
7	VLSI Design	2 (OC)	2(OC) ER- Spon	1+1	1+1	4
8	Communication Engg.	1(OC)	-	1	-	1
9	Power & Energy Systems	1 (OC)+1 (OBC)	1(OC)- ER Spon	1	1+1	3
10	Materials Engg		1 (OC) - N Spon	1	-	1
11	Computer Science & Engg	1 (OC)	-	1	-	1
12	Rock Excavation Technology &		1(OC)-N Spon	1	-	1
	Total	11 (OC)+ 2 (OBC) +2(SC)=15	1(OC)ER-Spon +3(OC)N Spon +1(OBC)N Spon +1(OBC) IR NITK = 9	19	05	24

ER-SPON – External Registrants (Sponsored)

IR – Internal Registrants

N SPON = Non Sponsored

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

Particulars of Admissions during 2015-16

Sl. No.	Programme	Intake	Total admitted			Out of the total admissions – Number of candidates Admissions under category									
			Boys	Girls	Total	OC		SC		ST		OBC		PWD	
						M	F	M	F	M	F	M	F	M	F
1	Master of Computer Applications (MCA)	92+1**	67	23	90	28	18	9	3	7	0	22	03	-	-
2	Master of Business Administration (MBA)	64+5*+1**	19	15	34	15	12	2	1	0	1	2	1	-	-
3	M.Sc. (Chemistry)	27+1**	6	16	22	03	10	1	0	0	1	2	5	-	-
4	M.Sc. (Physics)	27+1**	8	17	25	05	07	2	2	0	2	1	6	-	-
	Total	210+5*+4**=219	100	71	171	52	46	14	6	7	4	27	15	-	-

* Seats reserved for DASA candidates

** Additional seats for the international students under ICCR Scheme

PWD – Persons with Disabilities

Ph.D. PROGRAMME

Course wise	Admitted Full Time Programme										Admitted under external Registrants (Part time)										Out of the total full time number of candidates belonging to the category of																			
	Fellowship Holder					Other Category					M					F					M					F					M					F				
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F						
	4+2*	9+1*	0	0	0	0	10C	10C	10C	10C	0	0	0	0	3OC+1 OBC+1 *** (OC)	10C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
1	Civil Engg.	4+2*	9+1*	0	0	10C	10C	10C	10C	0	0	0	0	3OC+1 OBC+1 *** (OC)	10C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
2	Applied Mech.	10	2+1*	0	0	20C	20C	20C	20C	0	0	0	0	3OC+1 OBC+1 *** (OC)	10C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
3	Mechanical Engg.	18+9*	0	0	0	3OC+1 OBC+1 *** (OC)	3OC+1 OBC+1 *** (OC)	3OC+1 OBC+1 *** (OC)	3OC+1 OBC+1 *** (OC)	0	0	0	0	3OC+1 OBC+1 *** (OC)	10C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
4	Electrical & Electronics Engg.	4+4*	1	1** (1*)	1** (1*)	10C	10C	10C	10C	0	0	0	0	10C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
5	Electronics & Communication Engg.	1	4	1sp +3*	0	20C	20C	20C	20C	0	0	0	0	20C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
6	Chemical Engg.	4+1*	7+1*	0	0	1*** (1*) OC	1*** (1*) OC	1*** (1*) OC	1*** (1*) OC	0	0	0	0	1*** (1*) OC	10C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7	Metallurgical & Materials Engg.	7+2*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
8	Mining Engg.	3+6*	1	1sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
9	Computer Science & Engg.	4	0	7** (1*)	1sp+ 1**	1ST	1ST	1ST	1ST	0	0	0	0	1ST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
10	Information Technology	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
11	Physics	2+1*	2+2	0	0	1OC	2OC	2OC	2OC	0	0	0	0	1OC	2OC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

12	Chemistry	4+3*	3	0	0	1 OC	0	1+1*	2*	1+2*	0	1	1	1	0	0	0
13	Mathematical & Computational Sciences	4+1*	4	1sp	0	0	1*** OC	3	2	0+1*	1	1	1	0	0	1sp(OC)	
14	Humanities, Social Science & Management	4+3*	3	0	0	1 OBC+1 SC	0	2	3	2+1*	0	0+	0	0	0	0	0
	Total	72+3 2*	36+ 5*	3sp+ 11**	2**+ 1sp	15+ 2***	3+ 1***	42+ 5*	25 +5*	16+ 18*	6	9+ 8*	5	5+1*	0	11**+ 3sp	2**+1s p

* December Session Admission

** VTU

***Internal Registrants

sp=Spon.

PD= Persons with disability

Student's Total Strength

<u>Programme</u>	<u>Strength</u>
1. Undergraduate	3248
2. Post Graduate (Including MCA/M.Tech./M.Tech – by research MBA/M.Sc.)	1497
3. Ph.D. Programme	642

Total	5387
	=====

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 2014-2015

B.Tech.Examination Details

RESULT OF 2014-2015									
Under Graduate									
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	106+2*	74	18	9+2*		103	95.37	20
2.	Mechanical Engineering	150+3*	101	27	12+1*	1+2*	144	94.12	23+2*
3.	Electrical And Electronics Engineering	105	73	22	7	3	105	100.00	20
4.	Electronics And Communication Engineering	108+3*	79	19	7+1*	2*	108	97.30	18+2*
5.	Chemical Engineering	51+3*	26	17	5+1*	1+2*	52	96.30	10+2*
6.	Metallurgical And Materials Engineering	41+3*	25	8	1+3*	4	41	93.18	7+3*
7.	Mining Engineering	44+1*	17	18	5+1*	1	42	93.33	14+1*
8.	Computer Engineering	106+3*	66	26	8+1*	1+2*	104	95.41	20+3*
9.	Information Technology	104+2*	67	19	8+1*	3+1*	99	93.40	15+1*

*- Repeaters

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

Post Graduate courses								
Sl.No.	Branch	Total No. Appeared	No. of students passed in			Total Passes	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	26	26			26	100.00	5
2.	Structural Engineering	27	27			27	100.00	5
3.	Geotechnical Engineering	14	14			14	100.00	3
4.	Environmental Engineering	24	20	3		23	95.83	5
5.	Transportation Engineering	26	25	1		26	100.00	5
6.	Marine Structures	25	20	5		25	100.00	5
7.	Remote Sensing & Geographic Information System	20	16	3		19	95.00	
8.	Water Resources Engineering & Management	12	12			12	100.00	3
9.	Design and Precision Engineering	11	11			11	100.00	1
10.	Manufacturing Engineering	15	13	2		15	100.00	3
11.	Mechatronics Engineering	25	23	1		24	96.00	3
12.	Thermal Engineering	18	13	4	1	18	100.00	2
13.	Power & Energy Systems	24	17	5	2	24	100.00	4
14.	VLSI Design	21	18	3		21	100.00	5
15.	Communication Engineering	25+1*	19	5	1+1*	26	100.00	5+1*
16.	Chemical Plant Design	7	4		3	7	100.00	1
17.	Industrial Biotechnology	20	16	3	1	20	100.00	1
18.	Industrial Pollution Control	20	14	3	3	20	100.00	1

19.	Process Metallurgy	9	9			9	100.00	
20.	Materials Engineering	26	22	3	1	26	100.00	6
21.	Nanotechnology	10	10			10	100.00	1
22.	Systems Analysis & Computer Applications	25	20	4	1	25	100.00	6
23.	Computer Science and Engineering	27	26		1	27	100.00	6
24.	Computer Science and Engineering - Information Security	22	13	8		21	95.45	3
25.	Information Technology	23	16	7		23	100.00	5
26.	Master of Computer Applications	83	66	16	1	83	100.00	18
27.	Master of Business Administration	28	26	2		28	100.00	2
28.	Master of Science (Chemistry)	19	15	2	2	19	100.00	2
29.	Master of Science (Physics)	21	16	4	1	21	100.00	2
	*- Repeaters							

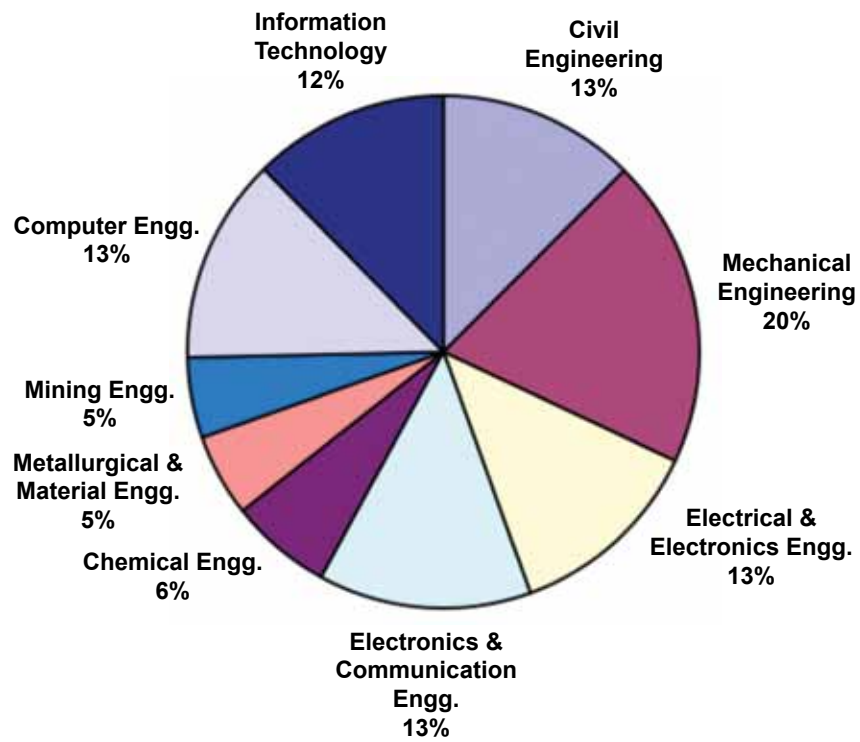
**Ranks secured by the B.Tech./M.Tech./MCA/MBA/M.Sc. (Physics & Chemistry)
Examination held in April/May, 2015**

B.Tech.

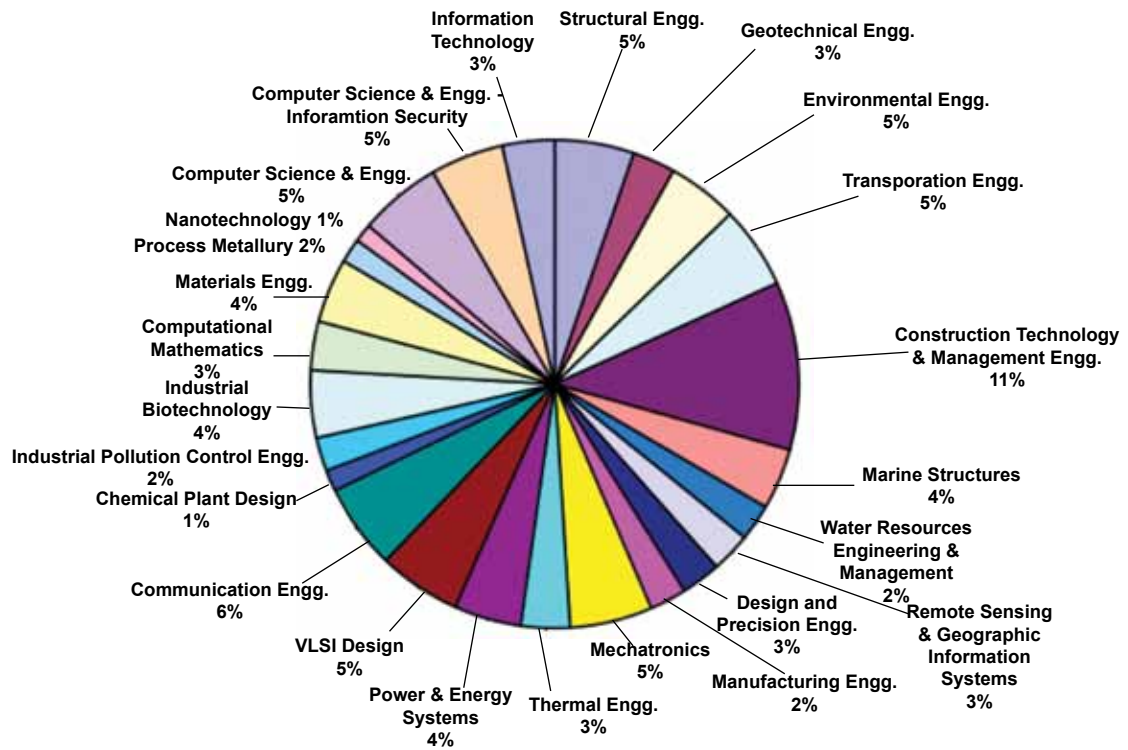
Sl.No.	Branch	Reg. No.	Name of the Student
1	CHEMICAL ENGINEERING	11171811CH18	JAHNAVI KANTHARAJU 1) Institute Medal 2) Mohan V Hosur Gold Medal 3) 1986 Batch Gold Medal
2	Civil Engineering	11167211CV04	ABHISHEK MASTER 1) Institute Medal 2) Prof. M. N. Shivashankar Gold Medal 3) Dr. R.K. Yaji Gold Medal 4) 1986 Batch Gold Medal
3	Computer Engineering	11122511CO66	PRANAV BHAT T 1) Institute Medal
4	Electronics & Communication Engineering	11135911EC62	OSHM JAIN 1) Institute Medal 2) 1986 Batch Gold Medal
		11108411EC97	SRINIVAS B S 1) Institute Medal 2) 1986 Batch Gold Medal
5	Electrical & Electronics Engineering	11134611EE11	ASHWIN D T 1) Institute Medal 2) Prof. M.R. Shenoy Memorial Prize 3) Prof. K. M. Hebbar Gold Medal 4) 1986 Batch Gold Medal
6	INFORMATION TECHNOLOGY	11126811IT37	KARTIK SREENIVASAN 1) Institute Medal
7	MECHANICAL ENGINEERING	11103411M248	SHRINIVAS JAYATEERTH CHIMMALGI 1) Institute Medal 2) 1986 Batch Gold Medal 3) Prof. Shuichi Torii Gold Medal
8	Metallurgical & Materials Engineering	11182711MT20	JUBIN SURANA 1) Institute Medal 2) Karthik Alloys Gold Medal 3) Prof. H. V. Sudhaker Nayak Gold Medal 4) SMIORE Gold Medal 5) 1986 Batch Gold Medal
9	Mining Engineering	11178811MN23	HEMANTH REDDY A 1) Institute Medal 2) Hutti Gold Mines Medal

M.Tech.

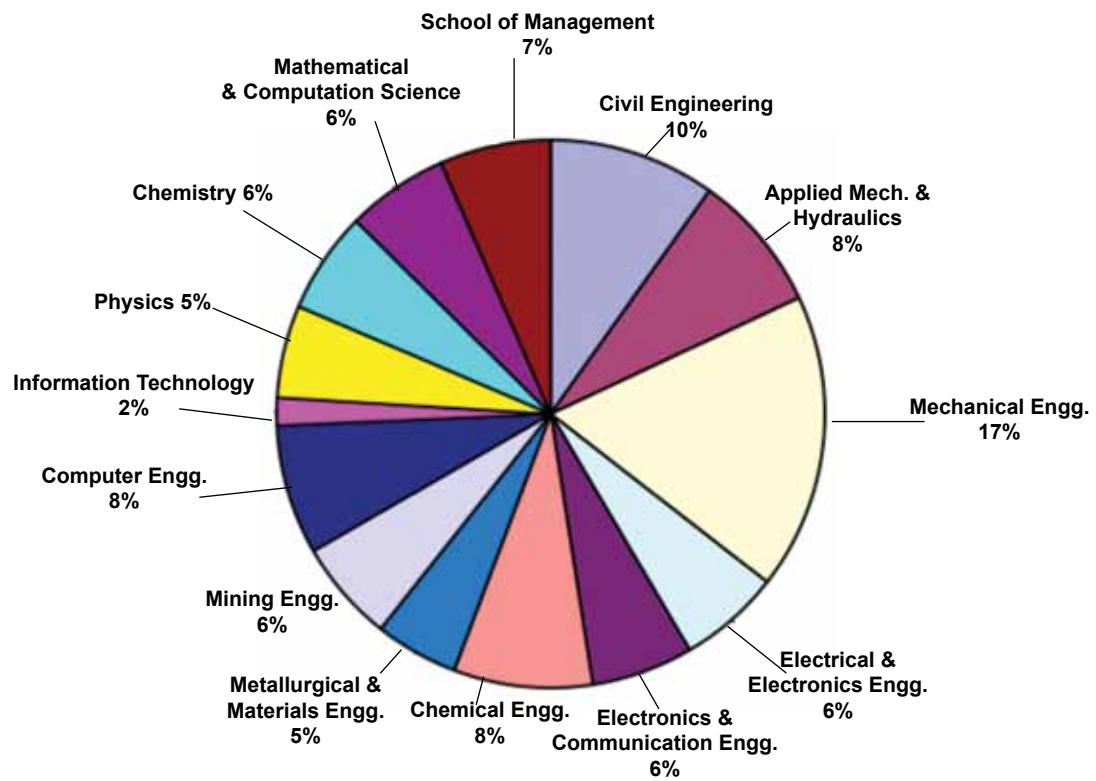
1	Marine Structures	13000313MS05F	BUDIME RAJU 1) Institute Medal
2	Remote Sensing & Geographic Information System	13002213RS18F	RAM THILAK 1) Institute Medal
3	Water Resources Engineering & Management	13002713WR10F	<u>NIGEE K</u> 1) Institute Medal



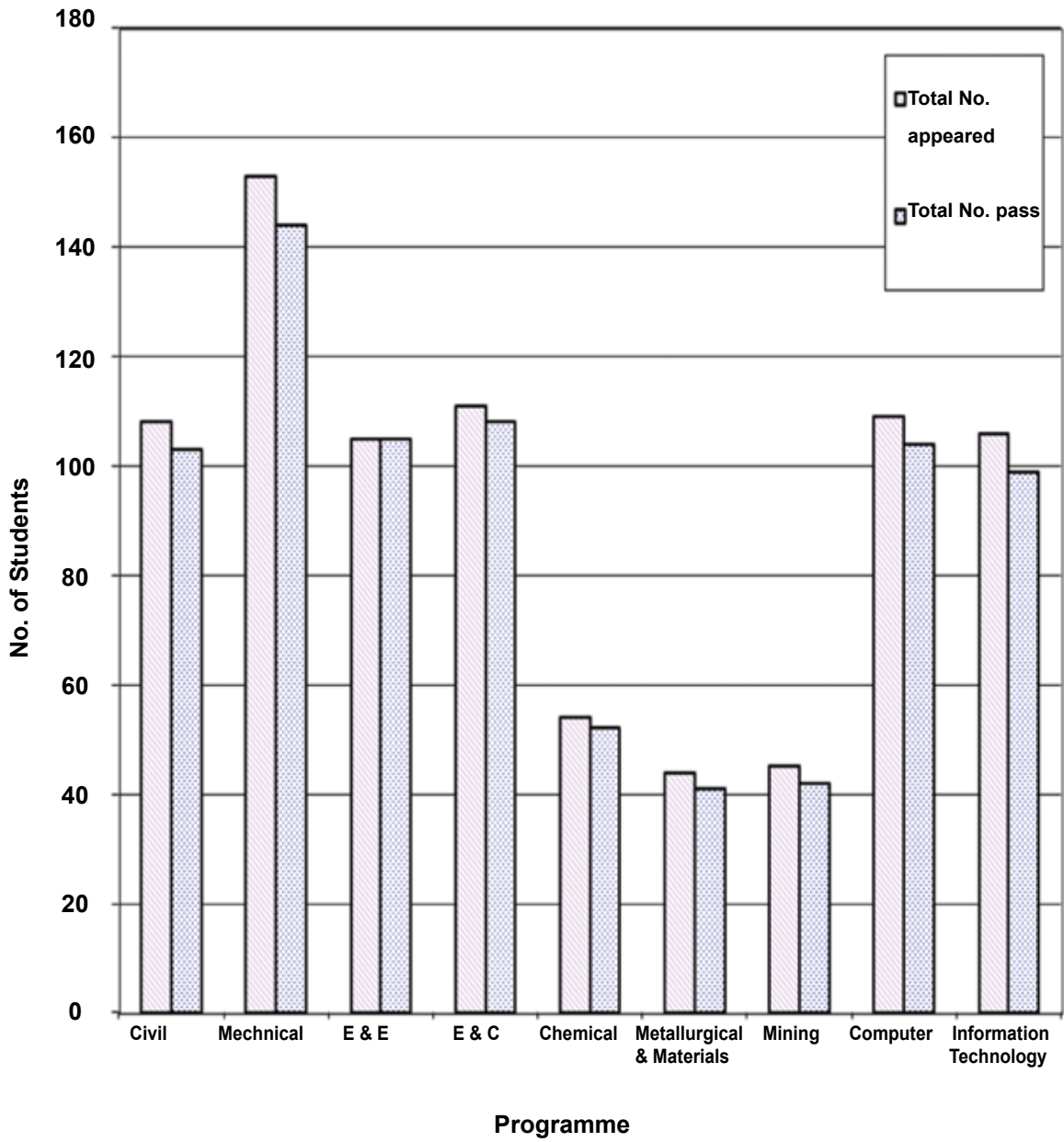
Pie - chart showing discipline wise B.Tech. admissions 2015-16



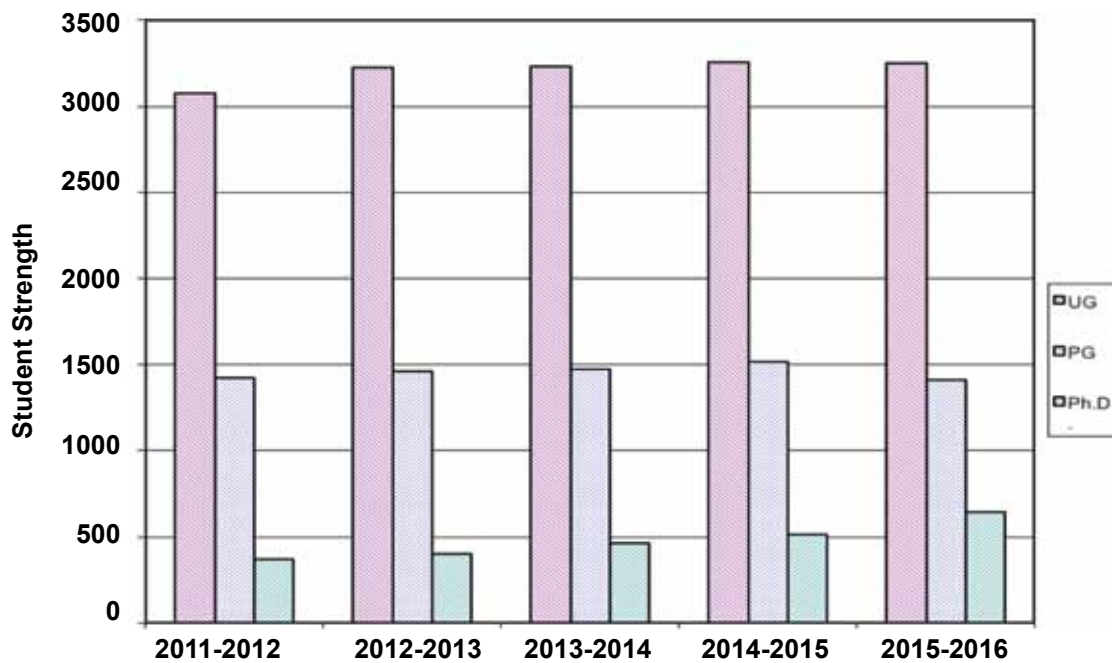
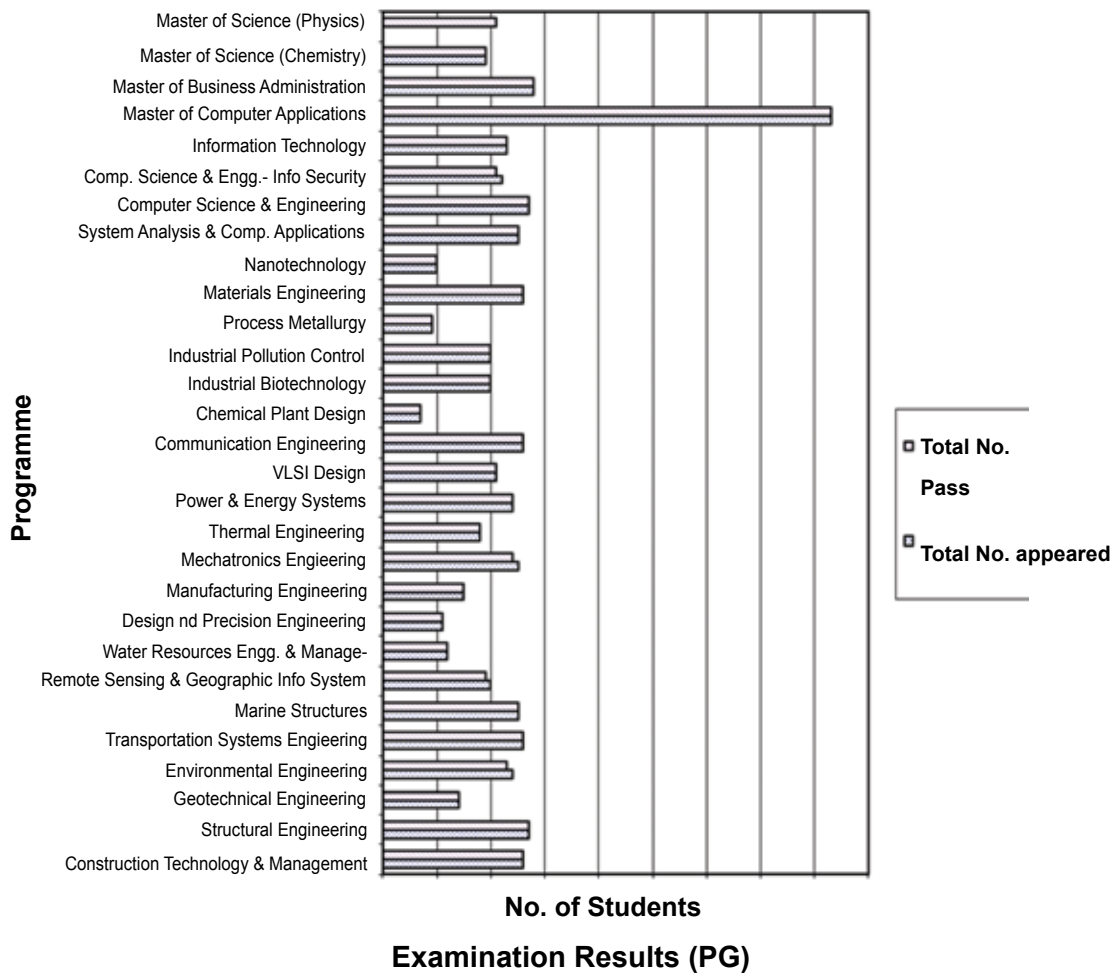
Pie - chart showing discipline wise M.Tech. admissions 2015-16



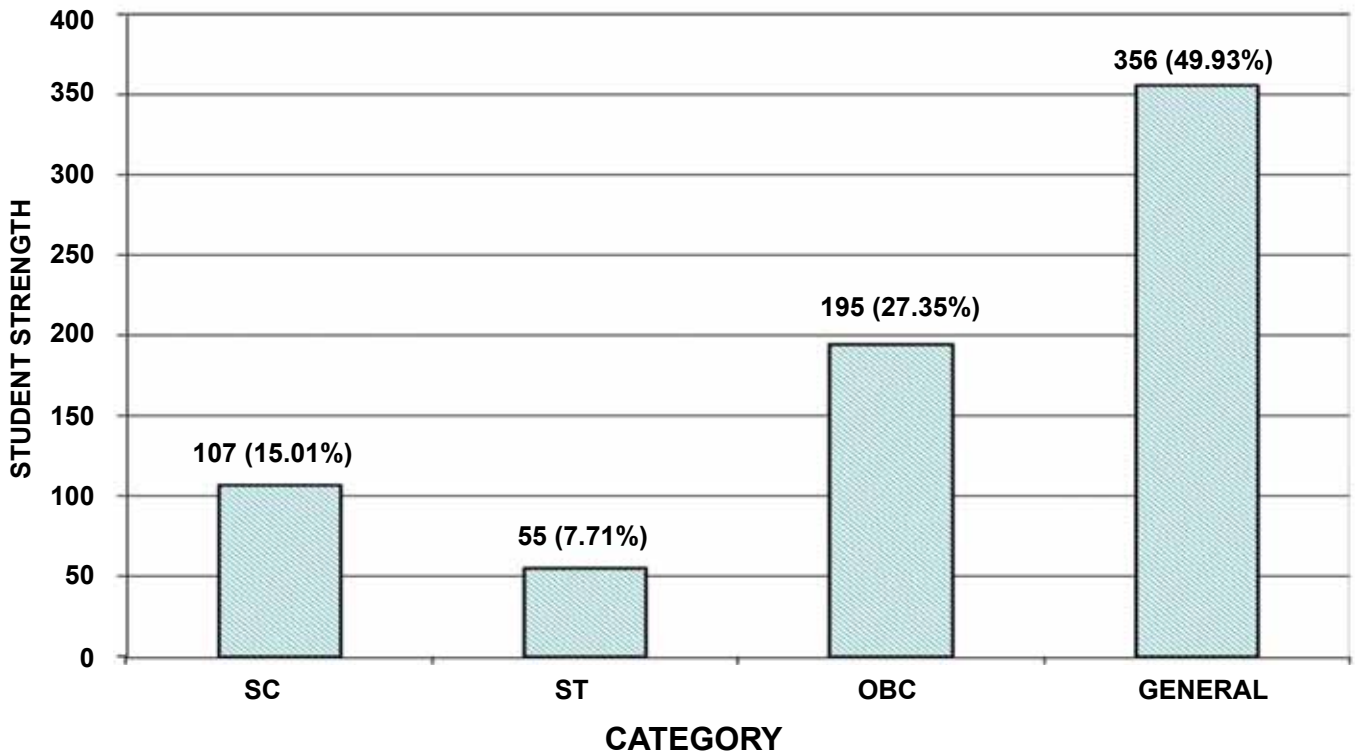
Pie - chart showing discipline with Ph.D. admissions 2015-16



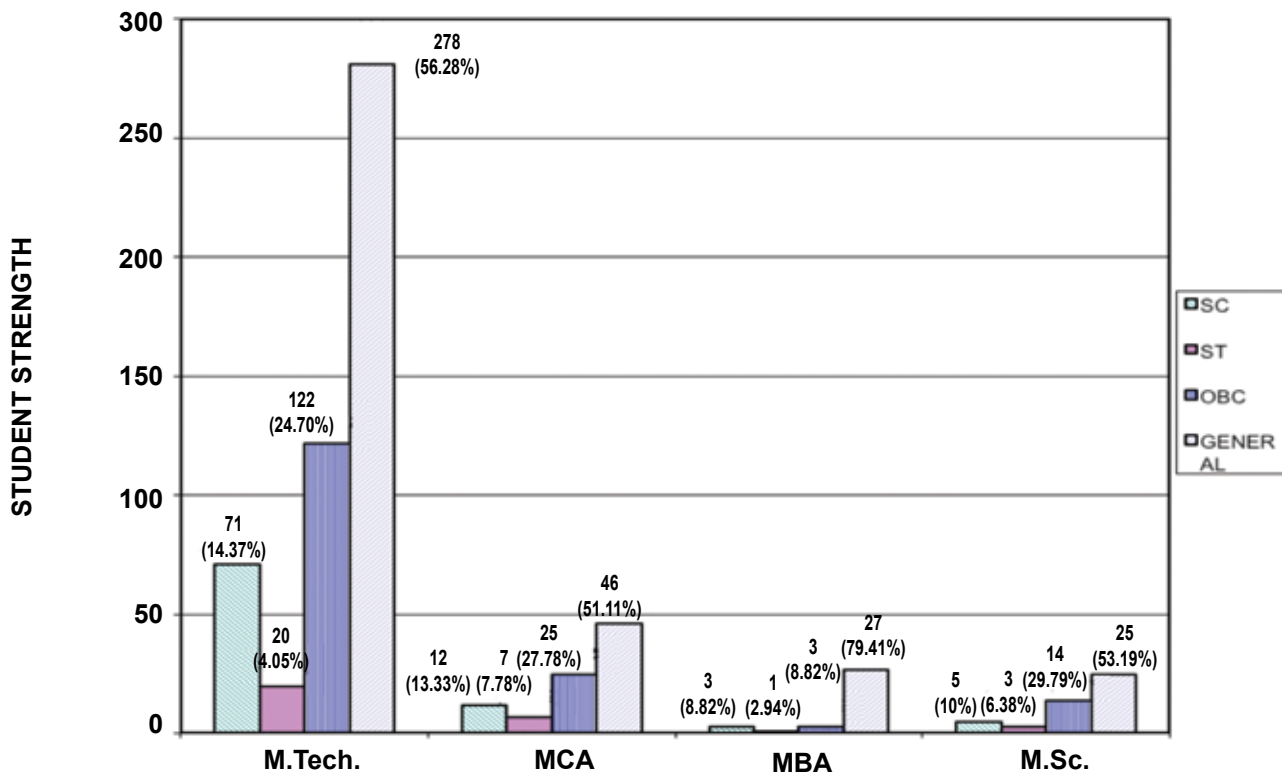
Examin Results (UG)



Growth in enrolment of UG/PG/Ph.D. students during the last 5 years 2011-2016



Categorywise details of UG Admissions 2015-16



Categorywise details of PG Admissions 2015-16

4	Chemical Plant Design	13003713PD07F	<u>SREEHARI M V</u> 1) Institute Medal
5	Industrial Biotechnology	13004613IB19F	<u>SUBHANSHI AGRAWAL</u> 1) Institute Medal
6	Industrial Pollution Control	13041413PC06F	<u>KEERTHI R</u> 1) Institute Medal
7	Construction Technology & Management	13008513CM19F	<u>SHIVARAJ SAYBANNA MANAGIRI</u> 1) Institute Medal
8	Environmental Engineering	13009513EN22F	<u>SNEHA SANTY</u> 1) Institute Medal
9	Geotechnical Engineering	13010913GT04F	<u>BETSY MARIA LUKAS</u> 1) Institute Medal
10	Structural Engineering	13014113ST09F	<u>INDU C M</u> 1) Institute Medal
11	Transportation Engineering	13015413TS12F	<u>MANEESHA B</u> 1) Institute Medal
12	Computer Science & Engineering	13019213CS25F	<u>TEJASWI V</u> 1) Institute Medal
13	Computer Science & Engineering – Information Security	13020313IS01F	<u>ABHISHEK MISHRA</u> 1) Institute Medal
14	Power & Energy Systems	13023113PS06F	<u>ELCHURI PRASANTHI</u> 1) Institute Medal
15	Communication Engineering	13026513CE20F	<u>RUCHI KANSARA BHARAT</u> 1) Institute Medal
16	VLSI Design	13026913VL24F	<u>VUPPALA MANI RAO</u> 1) Institute Medal
17	Information Technology	13031413IT16F	<u>MONISHA K</u> 1) Institute Medal
18	Systems Analysis & Computer Applications	13044513SY05F	<u>ANNAPURNA VALIVETI</u> 1) Institute Medal
		13046013SY20F	<u>NITESH SISODIYA</u> 1) Institute Medal
19	Design and Precision Engineering	13032613DP06F	<u>KALURI RAJA SEKHARA REDDY</u> 1) Institute Medal

20	Manufacturing Engineering	13033613MF11F	PUSHPAKAR CHANDRAKER 1) Institute Medal
21	Mechatronics Engineering	13035413MC03F	<u>ATHIRA S R</u> 1) Institute Medal
22	Thermal Engineering	13036513TH09F	NEERAJ M 1) Institute Medal 2) Dr. B. S. Samaga Cash Award
23	Materials Engineering	13038113ML13F	RAHUL SATHYANATH 1) Institute Medal 2) Prof. K R Hebbar Gold Medal 3) Prof. K. L. Bhat & Prof. P. Prasad Rao Gold Medal
24	Nanotechnology	13051313NT10F	AJAY A P 1) Institute Medal
25	Process Metallurgy	13043413PM04F	RAHUL JOHN 1) Institute Medal 2) Mrs. Sarojini Pillai Gold Medal
26	Master of Computer Applications (MCA)	12084212CA89	SUNDER GOPAL SINGH 1) Institute Medal 2) Dr. Saroja R Hebbar Gold Medal
27	Master of Business Administration (MBA)	13302513HM33	SIVA CHAITANYA M 1) Institute Medal
28	M.Sc. (Chemistry)	13401913CY01	<u>AKSHATHA R SHETTY</u> 1) Institute Medal 2) Prof. G. H. Kulkarni Gold Medal
29	M.Sc. (Physics)	13452013PH05	<u>H SWAATHI UPENDAR</u> 1) Institute Medal 2) K. Subbarayappa Gold Medal

9 Ph.D PROGRAMMES & DOCTORATES AWARDED

Ph.D. PROGRAMMES – EXISTING & PROPOSED

Department of Applied Mechanics And Hydraulics

	Specialization
Existing	Coastal Engineering Water Resources Engineering Remote Sensing and GIS

Department of Chemical Engineering

	Specialisation
Existing	Process Development, Particulate systems, Biotechnology, Environmental Engg., Transfer Operations, Industrial Biotechnology, Energy, Electrochemical Applications, Process Modeling and Simulation, Polymer & Nanocomposites, Catalysis & Reaction Engg.
Proposed	Nano Technology, Bioenergy, Computational Fluid Dynamics (CFD), Multi Phase Flow

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 Management, Information Security, High Performance Computing, Computer Vision, Cloud Computing, Image Processing, Speech Processing, Mobile computing
Proposed	Graph Theory, Graph Algorithms

Department of Chemistry

	Specialization
Existing	Inorganic Chemistry, Physical Chemistry, Organic Chemistry, Polymer Chemistry, Analytical Chemistry, Synthetic organic Chemistry Catalysis, Material Chemistry, Solar Cells, Corrosion Chemistry, Electrochemistry, energy storage materials, sensors, super molecular Chemistry, Membrane Chemistry, Organic electronics, Medicinal Chemistry, Supramolecular Chemistry, Computational Chemistry

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 & Drives, Renewable Energy, High Voltage Engineering, Flexible AC Transmission System (FACTS), Control Systems, Power System Protection, Smart Grid & Sensor Networks

Department of School of Management

	Specialization
Existing	Management , Social Sciences and Humanities

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, Green IT, 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

Department of Mining Engineering

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

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
Proposed	Theoretical investigation of strongly correlated systems and solar cells

DOCTORATES AWARDED

Department of Applied Mechanics and Hydraulics:-

	No. awarded (including those for which viva has been successfully completed)
Upto 31 st March 2015	49
During period 1 st April 2015 to 31 st March 2016	03

Name of the candidate	Title of the thesis	Year of Award	Guide (s)
Chandre Gowda.C	Stream flow Modeling Technique for Ungauged catchments and Operation Policy for vented Dams in series	2015	A.Mahesha, Ph.D.& S. G.Mayya, Ph.D.
Shushma Shashi.B	RS and GIS Tools to support Conservation and Sustainable Management of Sacred Groves in Kodagu District	2015	G.S.Dwarakish, Ph.D.& K.B.Kiran, Ph.D.
Kumar Raju B.C.	Assessment of Variable Source area Hydrological models in the Upper Cauvery basin, Karnataka,India.	2016	Lakshman Nandagiri, Ph.D.

Department of Chemical Engineering

	No. awarded (including those for which viva has been successfully completed)
Upto 31 st March 2015	27
During Period 1 st April 2015 To 31 st March 2016	07

Name Of Candidate	Title Of Thesis	Year Of Award	Guide(S)
Keshava Joshi	Studies On Denitrification Using Draft Tube Spouted Bed Reactor.	2015	G. Srinikethan, Ph.D. M.B. Saidutta, Ph.D.
Lokeshwari B. Navalgund	Air Quality Modeling And Air Quality Atlas Using Remote Sensing And GIS For Hubli-Dharwad Twin City	2015	G. Srinikethan, Ph.D.& V.S. Hegde, Ph.D.
Viswanatha H. N.	Development Of Polyethylene Glycol (PEG) Based Effective Aqueous Two-Phase Systems (ATPS) For The	2015	I. Regupathi, Ph.D.

	Extraction Of Proteins From Effluent Stream of Fish Processing Industry.		
Maheswari B.	Synthesis And Characteri-zation Of Macro And Nano Thermo-Sensitive Hydrogels For Controlled Drug Delivery Applications.	2015	P.E. Jagadeeshbabu, Ph.D.
Kalaivani S.	Aqueous Two Phase Extraction Of A-Lactalbumin And oB-Lactoglobulin From Whey.	2015	I. Regupathi, Ph.D.
Ratnamala G.M.	Studies On Adsorption Of Dyes On Activated Red Mud	2015	Vidya Shetty K., Ph.D. G. Srinikethan, Ph.D.
Prajna Rao K.	Studies On The Production Of Commercially Important Enzymes From Endophytes Isolated From Plants Of The Family Zingiberaceae.	2015	Prasanna B.D., Ph.D.

Department of Civil Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2015	50
During period 1 st April 2015 to 31 st March 2016	8

Name of the candidate	Title of the thesis	Year of Award	Guide (s)
Mr. Santhosh M. Malkapur	Studies on Performance Characteristics of Hydrogen Loaded Concrete Mixes	2016	M.C. Narasimhan, Ph.D.
Mr. K. V. Vijayendra	Seismic site response of 1-D inhomogeneous ground with continuous variation of soil properties	2016	Sitaram Nayak, Ph.D. & S K Prasad, Ph.D. SJCE, Mysore
Ms. Lekha B M	Performance Studies on Pavements Using Chemically Stabilized Soils	2016	A.U. Ravi Shankar, Ph.D.
Ms. Chinmayi H.K.	Effect of Soil stiffness on seismic response of reinforced concrete buildings with shear walls	2015	B. R. Jayalekshmi, Ph.D.

Ms. Nalini Elizabeth Rebello	Studies on Tunnels Subjected to Static Loads and Blast Induced Vibrations	2015	R. Shivashankar, Ph.D.& V.R. Sastry, Ph.D.
Mr. Shrikant Sitaram Jahagirdar	Reuse of Textile Mill Sludge	2015	S. Shrihari, Ph.D.& B. Manu, Ph.D.
Mr. Reginald Fernandes	Bending, Free Vibration and Buckling Analyses of Thermally Stressed Anti-Symmetric Angle Ply Plates Using Higher Order Refined Theories	2015	K. Swaminathan, Ph.D.
Ms. Hede Neena V	Stochastic Modelling to Assess Uncertainty in Push Over Analysis	2015	K. S. Babu Narayan, Ph.D.

Department of Computer Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2015	17
During period 1 st April 2015 to 31 st March 2016	01

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Geetha V.	Trust based secure communication in wireless sensor networks	2015	K. Chandrasekaran, Ph.D.

Department of Chemistry

	No. awarded (including those for which viva has been successfully completed)
Upto 31 st March 2015	70
During period 1 st April 2015 to 31 st March 2016	06

Name of the candidate	Title of the thesis	Year of Award	Guide (s)
B. Subramanya	Synthesis of Graphene and its Composites for Energy Applications	2015	D. Krishna Bhat, Ph.D.
Pooja B Bhat	Magnetic nano catalyst for oxidation of	2015	B.Ramachandra

	alcohols		Bhat, Ph.D.
Kshama Shetty S	Studies on some ionic liquids as corrosion inhibitors on 6061 Al-15 vol. pct. SiC _(p) composite in acidic media.	2016	A. Nityananda Shetty, Ph.D.
Naveen P	Synthesis, characterization and studies on anticancer activity of some indole derivatives	2015	Udaya Kumar D, Ph.D.
Prashant Kumar K R	Synthesis and study of optical and electrochemical properties of some heterocyclic conjugated molecules and polymers	2015	Udaya Kumar D, Ph.D.
Nikhila G	Synthesis, characterization and biological studies of some indole based molecules	2015	Udaya Kumar D, Ph.D.
Shenvi Seema Shrikant	Preparation and investigation of chitosan and cellulose based biopolymeric membranes for water purification	2015	Arun M. Isloor, Ph.D.

Department of Electrical and Electronics Engineering

	No. Awarded
Upto 31 st March 2015	16
During period 1 st April 2015 to 31 st March 2016	4

Name of the candidate	Title of the thesis	Year Of Award	Guide (s)
R.Saravanakumar	Design of nonlinear controllers for variable speed variable pitch wind turbine	2016	Debashisha Jena, Ph.D.
Sanjeev Nayak	Grid Integrated operation of hybrid fuel cell and microturbine based distributed generation systems	2015	D. N. Gaonkar, Ph.D.
Jayalakshmi N.S	Modeling and Performance analysis of Microgrid with wind and photovoltaic based distributed generation systems	2015	D. N. Gaonkar, Ph.D.
Rajashekar P. Mandi	A Comprehensive Analysis of Auxiliary Power in Coal Fired Power Plants in India	2015	Udaykumar R Y, Ph.D.

Department of Electronics And Communication Engineering

	No. Awarded
Upto 31 st March 2014	10
During period 1 st April 2014 to 31 st March 2015	07

Department of School of Management

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2015	16
During period 1 st April 2015 to 31 st March 2016	3

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Krishna Kishore S.V	A Study on Adoption of Branchless Banking Service in Rural Areas with Special Reference to Mobile Banking Service	2015	A.H.Sequeira, Ph.D.
Ramanna Shetty	“Export Performance of Indian Textile and Clothing Industry in the post Multi-Fibre Arrangement Era- A Study of Selected Exporters of Karnataka State	2015	K.B. Kiran, Ph.D.
Ambika Kamath	Women’s Writing in Kannada: An Analysis of Select Writing of Sarah Aboobackar	2016	Shashikantha K. Ph.D.

Department of Information Technology

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2015	10
During period 1 st April 2015 to 31 st March 2016	1

Name of Candidate	Title of Thesis	Year of Award	Guide(s)
Melwyn D'Souza	Decentralized Registry Based Web Services Architecture For Location Based Services	May 2015	Ananthanarayana V S, Ph.D.

Department of Mathematical and Computational Sciences

	No. Awarded
Upto 31 st March 2015	32
During period 1 st April 2015 to 31 st March 2016	02

Name of the candidate	Title of the thesis	Year of Award	Guide (s)
Srinivasa Murthy T	A Study Of Magic Labelings Of Graphs	2015	S M Hegde, Ph.D.
Muni Venkateswarlu K	Energy-Efficient Clustering Algorithms For Edge-Based Wireless Sensor Networks	2016	A Kandasamy, Ph.D. And K Chandrasekaran, Ph.D.

Department of Mechanical Engineering

	No. awarded (including those for which viva has been successfully completed)
Upto 31 st March 2015	59
During period 1 st April 2015 to 31 st March 2016	1

Name of the candidate	Title of thesis	Year of award	Guide(s)
Dinesha P (ME09P07)	Experimental investigations of cashew nut shell liquid on the performance & emission characteristics of single cylinder diesel engine.	2015	P. Mohanan, Ph.D.

Department of Mining Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March, 2016	13
Up to 31 st March 2015 (During period 1 st April 2015 to 31 st March 2016)	2

Name of the candidate	Title of the thesis	Year of Award	Guide (s)
Masood	Development of Mathematical models for determining physical properties of igneous rocks through noise measurement using fabricated drill set – up.	2015	Harsha Vardhan, Ph.D. and Dr.M.Aruna, Ph.D.
Sandy Kumar Reddy	Investigations into Stability and Development of Design Guidelines for Barrier Pillars in Blasting Gallery Panels	2015	V.R.Sastry, Ph.D.

Department of Metallurgical and Materials Engineering

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2015	33
During period 1 st April 2015 to 31 st March 2016	4

Name of Candidates	Title of Thesis	Year of Award	Guide (s)
Kripa M. Suvarna	A Study on Corrosion Behavior of Welded and Aged Aisi 316L Stainless Steel in Marine and Other Aqueous Media: The Role of Microbes	2015	K. Rajendra Udupa, Ph.D. & A. O. Surendranathan, Ph.D.
Prakruti S.	Friction Stir Processing for Fabrication of Al-Fe and Al-Ni based Composites and their Characterization	2015	K. Rajendra Udupa & Udaya Bhat K.
Gibin Gerge	Influence of Polymeric Binders on the Physico-Chemical Properties of Sol-Gel Electrospun Nickel Oxide and Cobalt Oxide Nanofibers	2015	Anandhan Srinivasan
Akshata G. Patil	Utilization of nanostructured flyash in polymer matrix composites	2015	Anandhan Srinivasan

Department of Physics

	No. awarded (including those for which viva has been successfully completed)
Up to 31 st March 2015	15
During period 1 st April 2015 to 31 st March 2016	Nil

10. HUMAN RESOURCES

10.1 STAFF POSITION

	Number
a) Teaching Staff	
Professors	68
Associate Professors	37
Assistant Professors	135
Other staff, A.P.D. & System Manager} 02 contract Faculty	06

	<u>248</u>
b) Non-Teaching Staff	
Administrative Officers	14
Technical supporting staff	66
Non-technical supporting staff	104

	184

THE STAFF

(A) Administration Staff (Teaching)

Director: (Head of the Institution)

Swapan Bhattacharya, Ph.D. from 1.8.2012 to 22.8.2015

Srinivasan Sundarrajan, Ph.D. from 29.12.2015 to 24.6.2016

Dean (Academic)

Katta Venkataramana, Ph.D. from 1.10.2014

Dean (Planning and Development)

M C Narasimhan, Ph.D. from 1.2.2014 till 13.3.2016

A U Ravishankar, Ph.D. from 14.3.2016

Dean (Faculty Welfare)

A Kandasamy, Ph.D. from 18.1.2013 to 13.3.2016

T P Ashok Babu, Ph.D. from 14.3.2016

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:

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 till 11.3.2015
G.S. Dwarakish, Ph.D. (Anna University) HOD from 12.3.2015
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)
Debabrata Karmakar, Ph.D., (IIT Kharagpur) 5.5.2015

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)
Hari Mahalingam, Ph.D. Singapore from 18.6.2015

Associate Professor:

K. Vidya Shetty, Ph.D. (NITK) HOD from 1.9.2012 HOD till 31.8.2015
B. Raj Mohan., Ph.D. (I.I.T., Kharagpur), HOD from 1.9.2015

Assistant Professors:

S. Gangamma, Ph.D. IIT, Bombay
Jitendra Pal S., Pursuing Ph.D. 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) till 20.5.2015

Hari Prasad Dasari, Ph.D. (Korea Institute of Science and Technology, Korea)
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)
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., Pursuing Ph.D. at IISc
Basavaraj Manu, Ph.D. (IIT, Bombay)
Raviraj H. Mulangi, M.E. (RGPV-Bhopal), Ph.D., 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 Bhasi, Ph.D. (IIT, Madras) contractual
Bibuh Bhushan Das, Ph.D., (IIT Bombay)

***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) HOD from 17.8.2015
Annappa, Ph.D (NITK, Surathkal) HOD till 16.8.2015

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)
Mohit P. Tahiliani, Ph.D. (NITK) from 18.6.2013
Basavaraj Talawar, Ph.D. (IISC Bangalore) from 24.10.2013
Manu Basavaraju, Ph.D. (IISC, Bangalore) from 2.7.2015

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.)
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)
Beneesh P. B., Ph.D. (University of Kerala)
Debashree Chakraborty, Ph.D. (IIT Kanpur)
Saikat Dutta, Ph.D. (University of Iowa, USA)
Naufal Kondoth, (University of Captnia) contractuals left 18.11.2015

**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) till 31.3.2016
John D'Souza, Ph.D. (I.I.T.Kharagpur)
U. Sripathi, Ph.D., (I.I.Sc., Bangalore) HOD from 1.4.2016

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. (MMU 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) Persuing Ph.D. at IIT Kharagpur
Krishna Moorthy K., M.E. (Anna Univ., Chennai) Persuing Ph.D. at IIT, Bombay
Deepu Vijayasanen, Ph.D. (EPFL, 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)
Ratnamala Rao, Ph.D. (IIT Madras) from 6.4.2015

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) till 30.8.2015
Shubhanga K.N., Ph.D. (IIT, Bombay)
K. Rajagopal, M.Tech. (I.I.T. Kharagpur)
Vinatha U., Ph.D. (NITK, Surathkal) HOD from 31.8.2015
Gururaj S. Punekar, Ph.D. (IIT, Kharagpur)
K. Manjunatha Sharma, Ph.D. (NITK)
Venkatesa Peramal, Ph.D. (IIT Delhi) from 20.5.2015

Assistant Professor :

Iddyia Raghavendra Rao M.Tech. (Mangalore Univ.)
Nagendrappa H., Ph.D. (Canada)
Dattatraya N. Goankar, Ph.D. (IIT, Roorkee)
Tukaram Moger, M.Tech. (IIT, Kanpur) Persuing Ph.d. 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)
Sheron Figarado, Ph.D. (IISC, Bangalore) from 1.4.2015
Y Suresh, Ph.D. (NIT Rourkela) from 2.6.2015
Krishnan C M C, Ph.D. (Ghent University, Ghent, Belgium) from 8.6.2015 contractual

Department of School of 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)

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)
Pradyot Ranjan Jena, Ph.D. (IIT Kanpur) from 5.5.2015

**Department of Information Technology
Professor**

Ananthanarayana V.S., Ph.D. (I.I.Sc. Bangalore) HOD till 16.8.2015
G. Ram Mohan Reddy, Ph.D. (Edinburgh, U.K.) HOD from 17.8.2015

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.)
A. Kandasamy, Ph.D. (I.I.T. Bombay)
Suresh M. Hegde, Ph.D. (Delhi Univ.)
Santhosh George, Ph.D. (Goa University) HOD from 17.8.2015
Murulidhar N.N., Ph.D. (I.I.T. Bombay) HOD till 16.8.2015

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
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)

Associate professors

Y. Suresh Kumar, M.E. (Mysore Univ.)
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. (Persuing Ph.D. 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) contractual
Sharnappa Joladarashi, Ph.D. (IIT Madras) from 6.4.2015
Arumuga Perumal D, Ph.D. (IIT Guwahati) from 14.5.2015
Somasekhara Rao Todeti, Ph.D., (IISc Bangalore) from 15.5.2015

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) HOD from 17.8.2015

Associate Professor:

Harsha Vardhan, Ph.D. (Indian School of Mines Dhanbad)
M. Aruna, B.E. Ph.D. (University of Dhanbad) HOD till 16.8.2015

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.)
Jagannatha Nayak, Ph.D. (NITK) HOD from 20.4.2014

Associate Professor:

Udaya Bhat, Ph.D. (I.I.Sc., Bangalore)
Anandan Srinivasan, Ph.D. (I.I.T., Kharagpur)
Kumkum Banerjee, Ph.D. (IIT Kharagpur) from 10.8.2015

Assistant Professor:

Shashi Bhushan Arya, Ph.D. (IIT, Bombay)
Ravishankar K.S., Ph.D. (NITK)
Mohammad Rizwanur Rahman, Ph.D., (Keio University, Japan)
Subray R. Hegde, Ph.D. (University of Canada)
Preetham Kumar G V, Ph.D. (IIT, Madras)
Saumen Mandal, Ph.D. (IIT, Kanpur) from 27.4.2015 contractual
Mohamad Imtiyaz Ahmed, Ph.D. (IIT Madras) from 5.8.2015

Department of Physics

Professor:

G.K. Shivakumar, Ph.D. (Sardar Patel Univ., Gujarat) till 31.7.2015

G. Umesh, Ph.D. (I.I.T. - Delhi)

Kasturi V Bangera, Ph.D. (Mangalore Univ.)

H.D. Shashikala Ph.D (Osmania Univ.) HOD from 11.8.2015

Udayashankar N.K., Ph.D. (I.I.Sc. Bangalore) HOD till 10.8.2015

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)

T. K. Shajahan, Ph.D. (IISC, Bangalore)

Kartick Tarafder, Ph.D. (Jadavpur University)

ADMINISTRATIVE AND OTHER STAFF

Registrar:

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

Assistant Registrars

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

Soumen Karmakar, (MBA)

Bansod Pritam Ramesh, (M.Com, MBA)

Gaurav Chowdhury, (MBA)

Deputy Registrar (Accounts):

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

Resident Engineer i/c :

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

Goankar, Ph.D. from 1.9.2015

Resident Medical Officers :

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

Medical Officer :

Dr. M.L. Balabhaskara

Professor Incharge Hostel Affairs:

Narendranath S, Ph.D. from 1.4.2014 to 7.4.2016

Vasudeva M, Ph.D. from 8.4.2016

2 NITK ENGG. COY N.C.C. Officer Commanding:

Col. MG HS Rajan

Associated NCC Officer Incharge (ANO):

P Sam Johnson, Ph.D.

Shivananda Nayak, Ph.D.

Security Officer:

Manohar Karanth

Chief Vigilance Officer:

K Rajendra Udupa, Ph.D. from 24.2.2014

Central Public Information Officer (CPIO):

K. Ravindranath, Registrar

OTHER SECTIONS

Department of Training & Placement

Professor:

Lakshman N, Ph.D.

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

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)

Manoj, MPEd (Mangalore University)

Asst. Librarian:

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

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

**Central Computer Centre
Chairman / System Manager:**

S S Kamath, Ph.D., from 18.8.2015

Senior Scientific Officer:

Vijayakumar Ghode, M.Tech.

NITK - Science & Technology Entrepreneurs' Park

Director:

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

**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 31-03-2016
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	2
13	Senior Secretary	1
14	Junior Assistant	15
15	Senior Assistant	31
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	4
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	32
33	Senior Attendant	10
Total		180

11. FACILITIES/AMENITIES

11.1 Hostels

The Institute reopened on 27/07/2015 for Under-graduate and Post-graduate studies as per Academic Calendar for the year 2015-16. All the students including foreign students are accommodated in the hostels as per the following details:

Total number of boys hostel = 11
 Total number of girls hostel = 05
 Total number of Rooms for boys = 2674
 Total number of rooms for girls = 591 (Common halls-05)

S.No.	Block	No. of Students	No. of Rooms
1	1 st Block	236	84
2	2 nd Block	238	84
3	3 rd Block	262	132
4	4 th Block	255	132
5	5 th Block	241	256
6	PG Block	243	150
7	7 th Block	281	162
8	8 th Block	308	162
9	Mega Tower 1	492	504
10	Mega Tower 2	476	504
11	Mega Tower 3	499	504
12	GH 1 st Block	58	34
13	GH 2 nd Block	96	47
14	GH 3 rd Block	459	153
15	GH 4 th Block	381	329
16	MS 1 st Block	64	8
17	MS 2 nd Block	40	8
	Total	4629 (B-3531, G-1098)	3253

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.

Total number of messes and mess members

S.No.	Name of the Mess	Strength
1	I Block Mess	354
2	II Block Mess	325
3	III Block Mess	360
4	IV Block Mess (Non Veg-Out Source)	501
5	V Block Mess	356
6	PG Block Mess (Out Source)	246
7	VII Block Mess	362
8	VIII Block Mess (Out Source)	497
9	Mega Block Mess (Out Source)	531
10	GH I block Mess	480
11	GH II block Mess	563

The messes are managed by the active participation of the Student 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

- a) Girls hostel and International Hostel
- b) Hostel Block One , Two, Three, Five, PG, Eighth, and Mega Hostel
- c) 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 CRRESCENDO 2016 during March 18-20, 2016 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 2016. 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.

Mess Concession

Mess concession is offered to students (Hostellers), who need financial assistance to continue their studies in the Institute during Odd and Even semester. The fund is raised by contribution from the hostellers i.e ` 10/- per semester along with hostel mess fees. The concessions are granted based on the information furnished by the individual applicants in the prescribed applications, which if found to be incorrect, at a later date would be cancelled and withdrawn retrospectively. The mess concession grantee must be regular in attendance and show improvements in his academic performance. The amount granted above will be credited to the mess bill account of the respective student by means of adjustment entry and will not be paid by cash.

Several festivals like Holi and Ganesh Chaturthi celebrated by hostellers, through the fund is raised by contribution i.e ` 25/- from the hostellers. Diwali festival is first time celebrated by the students in this academic year.

During Hostel day celebration various sports and games are conducting for mess workers. Best Kept Room for Hostellers and Best Kept Mess is also awarded on this occasion.

During the year under report, Medical Relief to the tune of Rs.68,384/- 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.

Sri Vasudeva M. 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:

S.No.	Name	Responsibility
1	Sri Vasudeva M	Professor in charge, Hostel Affairs
2	Sri Vasudeva. M.	Finance Warden
3	Dr Basavaraju Manu	Warden I Block
4	Dr. M.N. Satyanarayana	Warden II Block
5	Dr. C. Rajasekaran	Warden III Block
6	Dr. Jaidhar C. D.	Warden IV Block
7	Dr. Paresh Chandra Deka	Warden V Block
8	Dr. Subhaschandra Kattimani	Warden PG Block
9	Dr. Ravishankar	Warden, PG Hostel Block
10	Dr Pati Pati Srihari	Warden VII Block
11	Dr Sam Johnson	Warden VIII Block
12	Dr. Dattatraya Narayan Gaonkar	Warden Mega Tower-1
13	Dr Jagadeesh Babu P.E.	Warden Mega Tower-1
14	Dr .Debasish Jena	Warden Mega Tower-2
15	Dr Shashidhar G. Koolagudi	Warden Mega Tower-2
16	Dr Ramprasad Choudhary	Warden Mega Tower-3
17	Dr Shasibhusan Arya	Warden Mega Tower-3
18	Dr Bijuna C Mohan	Warden GH Block I,II,III
19	Dr (Mrs.) C.P.Devatha	Warden GH Block IV

Prof. Srinivasan Sundarrajan, 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.

11.2 CENTRAL COMPUTER CENTRE

CCC has contributed in designing and building a good IT infrastructure for the Institute . CCC strived to make this infrastructure adequate to the academic needs, by providing quality IT services from the user perspective to support teaching , research and innovations. CCC maintains the campus network backbone connectivity and internet connections on 24×7 basis. Besides this, CCC LAN is available for curricular and co-curricular activities for 12 hours on every weekday and 8 hours on every weekend/general holiday.

The CCC occupies the building opposite to the Silver Jubilee Auditorium and was established in 1995 as a service providing/supporting central facility that augments to the computing facilities in the teaching departments.

The NetworkCCC 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. Further upgradation of the Network and the campus Wi-Fi have been approved by the B.O.G. and the work is expected to be completed by the end of June 2016. The data centre acts as an integration hub of OFC/backbone. It houses the 155 Mbps Internet connection to BSNL and 1 Gbps connection (bandwidth available upto about 330 Mbps) to the National Knowledge Network through leased lines, associate 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 8000 connections in due course as the campus Wi-Fi will be implemented. The academic LAN is about 2000 nodes at present. But is likely to go up as the new buildings are included. However, this is likely to go up once the new buildings are included.

CCC LAN

CCC augments the needs of the academic departments through its modes LAN of 62 nodes (Ground Floor) and 84 nodes (First Floor). The ground floor hall is used for the first year B.Tech. computational practice Laboratory and is available for other activities only after the lab-hours. The first floor hall, however, is available for general purpose computing and browsing. The computers of CCC are mainly used as the support for the First Year B.Tech. Computational Practice Learning and Internet Access. The facility is also offered to the First year B.Tech. Computational Practice Labs, General Purpose Learning Access. The facility is also to the Department of Training & Placement for conducting On-line Tests, 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 the procurement and installation of Network related matters within a specified limit. The Institute follows the tender procurement process when the purchase cost is more than Rs. 1 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.

CCC's Goals

1. To render 24x computer and network services reliably

2. To reduce the wastage of Internet Bandwidth
3. 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 1,32,925 including Book-Bank books, online e-Books subscribes 414 print journals for all the disciplines. We have access to 8000 plus online Journals through INDEST. This year we have purchased 410 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 (IEEE Explore)**” in 2014-15 amongst INDEST-AICTE Consortium Level 2 member’s category

1. 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 414 National and International Print Journals.

2. 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.

3. 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.

4. On-line Services:

- a. Library is a member of “e-Shodh Sindhu Consortium MHRD)”. It provides full text resources like IEL online, Science Direct, Nature, ASTM, ASCE, ASME 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 Springer Link, Taylor & Francis ,etc. e-journals.

5. 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 Institute subscription and various consortium’s.

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 e-Shodh Sindhu
- ❖ 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

6. 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.

7. 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)
- I.L.L. Facility through DELNET
- Internet Services
- Membership with e-Shodh Sindhu and NIT consortium

8. 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 e-Shodh Sindhu Consortium.
- e-books facility

Research Publications
National

Sl. No.	Title of the paper	Journal Name. Vol. Issue, Page No's	Authors
1.	A Bibliometric analysis of 'D-Lib Magazine' (2009-2013)	LIS Today: A Peer-reviewed Bi Annual Journal (ISSN 2349-9602) Vol. 2, No. 1-2 pp. 94-107	Iranna m Shettar

Book chapters

Sl. No.	Title of the paper	Book Title, Page No's	Authors
1.	Knowledge Management in Academic Libraries: An overview	Modern Trends in Library & Information Science in Digital Environment (ISBN:978-81920-84-923), Ed by. Amit Kishore and Others, Published by University Prakashan, Agra pp. 101-106	Iranna m 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 Total station
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, Garmen GPS Softwares : ERDAS- Imagine, PC ARCINFO Master Lab. Kit , Geomedia Professional. Ground water Modelling Software, Water Management Software Distance measurement equipment
Computer Laboratory	Computer systems : 15 No.s Laser printer

Department of Chemical Engineering

Name Of Laboratory	Major Equipment/Facilities
Process Control & Reaction Engg (870 Sqft)	Constant Temperature Bath, Gas Flow Meter - Wet Type, Rotary Shaker, Batch Reactor, RTD In Tubes Plug Flow Reactor, RTD In Packed Bed, RTD In CSTR, Reactor Combination Of PFR And CSTR, Magnet Pump , Multi Range Conductivity Meter , Digital Online Process Control Loop Trainers, Low Speed Stirrer - Remi, De - Ioniser Indion With Accessories, Rotary Vacuum, Solid State Fermentation Plant (Environmental Chamber), Nono Particle Analyser

Heat Transfer Lab (2376 Sqft)	Air Compressor - TS07120HN / 220lit (2Nos), Air Compressor - SS15120H / 500lit, Eddy Current Drive With Motor & Accessories (4nos), Shell And Tube Heat Exchanger, Electrically Heated Boiler, Parallel Flow /Counter Flow / Double Pipe Heat Exchanger, Pool Boiling Heat Transfer Apparatus Model No.HT – 1305, Forced Convection Heat Transfer Model HT-10, Stefan Boltzmann Apparatus Model No.HT-12, Thermal Conductivity Of Insulating Powders Model – 04, Thermal Conductivity Of Liquids Model No. HT 07, Horizontal Condenser & Vertical Condenser Steam, PM 2.5 Fine Dust Sampler, Hydraulic Compression Testing Machine, High Volume Sampler ENVOIR TECH 460 BL, Portable Gas Sampler, Plate Heat Exchanger, Stack Monitoring Kit, Automated Depth Water Sampler, Eddy Current Drive With Motor & Accessories, Pyrolysis Plant, Fluidized Bed Combustor (IIT Madras)
Particulate Technology Laboratory (841 Sqft)	Ball Mill , Sieve Shaking Machine, Balance, Jaw crusher, Screen effectiveness, Air permeability, Air elutriation, Batch sedimentation, Leaf filter
Mass Transfer Lab (1750 Sqft)	Balance - Triple Beam , Electric Oven - With Forced Air Supply, Vacuum Pump Oil Free Portable, Orbital Shaker ISK 300, Autoclave (Vertical), Microwave Oven Sun Sung, Liquid Extraction In Packed Bed, Vertical Tube Evaporator, Packed Distillation Column, Absorption In Packed Tower, Spray Tower, Fluidized Bed Dryer (With Air Circulation) Model No.MT – 18, Wetted Wall Column (With Air Circulation), Batch Crystallizer, Forced Draft Tray Dryer, Micro Wave Ashing System Qash 1800, Balance – Electronic, Peristaltic Pump, Rotary Flash Evaporator, Dust Track Sampler, Microwave Assisted Pyrolytic Reactor
Testing Lab (2065 Sqft)	Centrifuge, Digital Panel Meter, Digital Ph Mete, Vacuum Pump Oil Free Portable, Flame Photometer, Furnace - Crucible Type, Furnace - Muffle – Rectangular, Galvanometer - Light Spot, Potentiometer - Student's, Refractometer - Hand Held, Refractometer – Abbe, Tinto Meter, Turbidity Meter, Vacuum Oven, Hot Air

	Oven 3'x3'x2', C.O.D. Digester – Hach, Brook Field Viscometer, Distillation Unit - Automatic Cabinet Water Still, Panel Zero Air ,H2,He & N2, Desk Top Air Quality CO2 Meter, Carbon Monoxide Meter, Flue Gas Analyser, Gas Chromatograph, Bomb Calorimeter, Airflow Meter–Lynx, Peristaltic Pump, Torque Meter, Conductivity Meter, Spectrophotometer, B.O.D. Incubator, C.O.D. Digestion Apparatus, Horizontal Laminar Flow Work Station Aircon, Industrial Ph Amplifier With Accessories, Conductivity Analyser With Accessories, Ph Analyser With Accessories, Ph Sensor, Jar Test Apparatus, Noise Level Meter, Hach Sension 156 (Ph, D.O., Conductivity), YSI Sension 156 (Ph, D.O., Conductivity), Water Purification Ultra SYS , Melting Point Apparatus, Rocker Shaker For Gel Stainer, Fume Chamber
Fermentation Lab (616 Sqft)	Orbital Shaker Scigenics, Autoclave (Vertical), Co2 Incubator, Gel Electrophoresis, Microwave Digestion System , Fermenter – Bioferm,Muffle Furnace With Programmable Temp Controller, Trinocular Microscope – Metzerm Strain Cooler – Cryostat, Incubator - Shaker- Biochem , High Speed Cooling Centrifuge – Remi, Freeze Dryer DC55A, Fraction Collector – Automatic,Incubator Bacteriological (IPC), Deep Freezer +(1 No Stabilizer), Low Speed Centrifuge 5ml/15ml, C.O.D Analyser, UV Transilluminator
Advance Instrumentation Lab (304 Sqft)	Electrochemical Workstation,Cell ,C-Electrode, Gel Electrophoresis, Eppendroff Centrifuge, Bio Sensor, Auto Titrator, Mini Protean Tetra Cell, Trinocular Microscope Tifac, Balance – Electronic, Spectro Photometer - Labomed &1 Systronics, Total Organic Carbon Analyser, Balance - Electronic , Graphite Furnance And Hydride Generator, Milli Q Academic Water Purifier, GBC AAS, High Performance Liquid Chromotograph , Gas Chromotography-Mass Spectrophotometer, Ion Chromotography, High Speed Refrigerated Cooling Centrifuge
Biotech Lab (1806 Sqft)	Colony Counter, Laboratory Centrifuge,

	<p>Digital Ph Meter, Electric Oven - With Forced Air Supply, Digital Refractometer RX5000 (S/N 107209), Orbital Shaker Scigenics, Hi-Anaerobic System, Autoclave (Vertical), Compound Microscope, Do Probe & Do Transmitter, Lyophilizer, Gel Electrophoresis, Contagious Homogenizer & Homogenizer (Ultra), Lab Bioreactor With Variable Volume Fixtures, TG_DTA 6300 (Thermo Gravimetric Analyser), Brook Field Viscometer, Tangential Flow Filtration With Ultra Filtration Module, Surface Tension Meter, Temp Controlled Digital Density Meter, Auto Titrator, Static Mixture, Balance - Electronic Essae Treroka, Spectro Photometer -,Labomed, Incubator - Shaker, Horizontal Laminar Flow Work Station, Vibracell Ultrasonic Processor, Freeze Dryer DC55A, Fraction Collector - Automatic, Deep Freezer +(1 No Stabilizer), Electronic Balance(Model BT 2202S, BT 224S), Vacum Pressure Cum Kit, Nanodrop Spectrophotometer, Vortex Mixture, Water Purification Ultra SYS, HPLC, ELS II Detector HPLC, RCT Basic Safety Control Magnetic Stirrer, Cryostat Bath, Karl Fischer Titrator, Deepfreezer, Refrigerator Whirl Pool</p>
Project Lab. I (130 Sqft)	<p>Ultra Sonic Water Bath, Refrigerated Centrifuge, Digital Ph Meter, Rotary Shaker -Lead, Quartz Immersion Well Reactor, Muffle Furnance Digitalm , Fire Extinguisher CO2, Ultra Sonicator,</p>
Project Lab. IA	<p>Continuos Homoginiser & Homoginiser, Refrigerated Heating Bath With Circulator, Dosage Pump</p>
Project Lab II (72 Sqft)	<p>Bench Top Fermentor, Horizontal Laminar Flow Work Station</p>
Project Lab III	<p>Gel Documentation, Unisim Design Academic Programe, Deep Freezer, Programme Temperature Control System, Freez Dryer, Centrifuge, Thermo Spectrometer/Hitachi, Micro Scope</p>
Name Of Laboratory	<p>Major Equipment/Facilities</p>
Project Lab IV (112 Sqft) Near Boiler Room	<p>Air Blower- Centrifugal, Boiler -Cross Tube - Vertical Jaya, Electric Oven - With Forced Air Supply, Hydraulic Test Pressure Pump, Ultra Sonic Water Bath,</p>

	Auto Clave With Teflon Liner, Balance - Electronic Shimadzu, RCT Basic Safety Control Magnetic Stirrer, Stirred Cell Membrane Unit, U V Irradiated Membrane Filtration Unit
Project Lab V (664 Sqft) DG ROOM	Flash Point Apparatus, Viscometer - (Redwood & Say Bolt), Viscometer - (Saybolt), Eddy Current Drive With Motor & Accessories, Ozone Generator-L4g, Peristaltic Pump - Murhopye, Fire Extinguisher Powder Jacketed Vessels, Generator - 15 KVA, DO Eutech, Ozone Monitor/TLA
Project Lab VI (774 Sqft)	Air Compressor - SC-150, Elgi, Centrifuge, Digital Ph Meter Cyberscan Tutor-Ds, Electric Oven, Furnace - Muffle - Rectangular, Turbidimeter, Microwave Oven, Eppendorf Centrifuge, Refrigerated Heating Bath Circulator, Surface Tensio Meter, Dosing Pump With Pump Head, Membrane Testing System, Refrigerated Water Bath With Circulating Pump, Rotary High Vacuum Pump, Balance - Electronic Precisa 1000C, Conductivity Meter - Eutech, Low Speed Stirrer - Remi, Incubator- Shaker Lead, Water Bath Shaker, Single/Double Distillation Unit (Tifac), Muffle Funace, Hot Air Oven, Bead Mill, Vortex Mixer, Distillation Unit, Solid State Fermentation Plant (Enviorn Chamber Shifted To Project Lab II), Rotating Disc Counter, Continuous Membrane Filtration Unit
Project Lab VII (708 Sqft)	Colony Counter, Digital Ph Meter Ph Meter, Electric Oven - With Forced Air Supply, Water Bath Orbitek,,Micro Oven, Static Mixture, Balance - Electronic, Incubator - Shaker Lead, B.O.D. Incubator Murhophe, Horizontal Laminar Flow Work Station, Incubator Bacteriological (IPC), Hot Air Oven, Single/Double Distillation Unit (Tifac), Low Speed Centrifuge 5ml/15ml, Ultra Sonic Bath, Water Bath Shaker, Electrophoresis
Computer Lab (1575 Sqft)	Pressure Gauge Tester, High Pressure High Temperature Gas Liquid Phase Particle Size Analyser, Incubator - Shaker Lead, BOD Incubator, Dell / HP Computers, Software- Design Expert 8 Standalone Perpetual & Academic Licence, Physical CD (DVD Media Kit), UNISIM

	Software For Design, ANSYS Academic Research CPD Soft Ware Version 14.5 Latest,
Dst - Fist Laboratory (746 Sqft)	GEL Documentation, TG-DTA 6300(Thermo Gravimetric Analyser, LC -MS Systems & Accessories, ICP -OES
Immunology Lab (200 Sqft) Near Virtual Lab.	Micro Centrifuge Spinwin, Electric Oven - With Forced Air Supply, Vacuum Pump Oil Free Portable, Co2 Incubator, Micro Wave Oven, PM 2.5 Fine Dust Sampler, Plate Master TM Speed Plating, Ultra Sonic Water Bath, Biological Safety Cabinet, Auto Clave With Teflon Liner, Trinocular Microscope Gangamma, Balance - Electronic Sami Micro, Fire Extinguisher CO2, High Volume Sampler, Deep Freezer +(1 No Stabilizer), Vortex Mixture, Dry Bath With Heating Block, High Speed Refrigerated Cooling Centrifuge, 6 Stage Microbial Impactor, Power Pack For Southern & Northern Blots, Automated Microplate Reader, Meteorological Station, Wesern Bolt Unit, Photometer For PCR Work, Polymerze Chain Reaction Machine
Immunolgy Lab (In The Workshop)	Oven, Co2 Incubator, PM 2.5 Fine Dust Sampler, Biological Safety Cabinet, Balance, High Volume Sampler, Deep Freezer, 6 Stage Microbial Impactor, Meteorological Station

Department of Civil Engineering

Name of Laboratory	Major Equipment/Facilities
Civil Engineering Material Testing Laboratory	3000 kN Compression Testing Machines 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 Spectrophotometer High Volume Air Sampler, 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 Machines, Loading Frames, RCPT Test Apparatus, Corrosion Monitoring Unit, Accelerated Curing Tank, Humidity and Temperature Controlled Chamber.
Survey Stores	Total Station, Auto Levels, Theodolites, Dumpy Levels
Rheology Laboratory	Modular Compact Rheometer System
Autocad Laboratory	30 Computers, 12 No's Computer tables, 30 Computer Chairs, 4 Air Conditioner, 2 No's 5KVA UPS

Department of Computer Engineering

Name of Laboratory	Major Equipment/Facilities
Core Computing Lab	Computers – 44 Nos. (23 – Dell OptiPlex 9020MT, 18 – HP Elite desk 800G1, 3 – Dell Precision T1650) Operating System – Windows 8.1 and

Name of Laboratory	Major Equipment/Facilities
	Linux 14.04 LTS Projector - 01 (EPSON EB-X24) Printer – 01 (HP LaserJet 1020 plus) Scanner – 01 (HP Scanjet G2410) LAN – 100 Mbps Wi-Fi AP – 01 (D-Link: Model No:DWL-3200AP) Used for conducting regular UG Lab classes.
Software Engineering Lab	Computers – 32 Nos. (28 – Dell OptiPlex 9010DT, 4 – Lenovo Think Centre M Series) Printer – 01 (Cannon LBP 2900B) LAN – 100 Mbps Used for conducting regular UG Lab classes.
Intel E-commerce & Internet Technology Lab	Computers – 17 Nos. (15 – Lenovo Think Centre, 1 – Dell OptiPlex9020MT, 1 – Lenovo Think Centre M Series) LAN – 100 Mbps Used for conducting regular UG Lab classes.
Research Lab	Computers –11 Nos. (05 – Dell OptiPlex 9010DT, 2- HP Elite desk 800G1, 3 - Acer Variton Systems, 1- Lenovo Think Centre M Series) Printer – 01 (HP LaserJet 1010) LAN – 100 Mbps Used for Ph.D. /Research Work
Cloud Computing Lab	Computers –15 Nos. (12 – Dell OptiPlex 9010DT, 3 - Dell Precision T1650) Printer – 01 (Canon LBP 2900B) LAN – 100 Mbps Wi-Fi – 01 (D-Link: DWL-3200AP) Used for Ph.D./ Research Work.
Distributed Computing Lab	Computers –13 Nos. (10 – Dell OptiPlex 9010DT, 3 - HP Elite desk 800G1) Printer – 01 (HP LaserJet 1010) LAN – 100 Mbps Wi-Fi – 01 (D-Link: DWL-3200AP) Used for PhD/Research Work
Secure Software Systems Lab	Computers – 52 Nos. (34 – Lenovo Think Centre M90, 9 – Dell, OptiPlex 9010DT, 9 - HP Elite desk 800G1) LAN – 100 Mbps Wi-Fi – 01 (Ruckus R300) Projector - 01 (Dell 12109) Used for First year M.Tech (CSE, CSE-IS) students.

Name of Laboratory		Major Equipment/Facilities		
Information Security Lab		Computers – 30 Nos. (20 – Dell OptiPlex 9010DT, 1 – Lenovo Workstation S30, 1 – Lenovo Workstation D20, 1-Lenovo Workstation S20, 07 - Lenovo Workstation P700), Printer – 01 (HP LaserJet 1010) LAN – 100 Mbps Used for second year M.Tech.(IS) Project students.		
PG Project Lab -I		Computers – 23 Nos. (22 – Dell OptiPlex 9010DT, 1 – Lenovo Think Centre) Printer – 01 (HP LaserJet 1020 plus) LAN – 100 Mbps Wi-Fi – 01 (Zyxle NWA1120) Projector – 01 (Casio XJ-A146) Used for second year M.Tech. (CSE) Project Work.		
PG Project Lab -II		Computers –13 Nos. (10 – Lenovo Think Centre M90, 3 - Dell OptiPlex 9010 DT) Printer – 01 (HP LaserJet 1020 plus) LAN – 100 Mbps Projector – 01 (Casio XJ-A146) Used for second year M.Tech.(CSE) Project Work.		
Image and Speech Processing Lab		Computers –21 Nos. (19 – Lenovo ThinkStation D30, 2 - Dell - Precession workstation Tower 7810,) Printer – 01 (HP LaserJet 1010) LAN – 100 Mbps Wi-Fi – 01 (D-Link: DWL-3200AP) 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				
Sl. No.	Item	Nos.	Make/Model	Usage
Hardware Details				
1	Server Class System (09 Nos.)	03	Dell Power Edge T360.	<ul style="list-style-type: none"> • Faculty and Staff • Research Scholar • UG and PG Students
2		01	DELL Power Edge R720	<ul style="list-style-type: none"> • 2nd Year B. Tech Laboratory Exercise.
3		02	DELL Power Edge R420	<ul style="list-style-type: none"> • 3rd year B. Tech Laboratory Exercises. • M. Tech 1st Year Laboratory Exercises.
4		01	DELL Power Edge T710	<ul style="list-style-type: none"> • M. Tech 2nd Year Major Project.
5		02	IBM Xeon Server	<ul style="list-style-type: none"> • Final Year B. Tech Laboratory

Name of Laboratory				Major Equipment/Facilities
				Exercises. • Faculty and Staff.
6	IBM Open Power Series System	02	IBM p-Series Server Model 9131/52A	• These servers are used for system Administration, Project and Research Works.

Department of Chemistry

Name of the lab.	Major equipments/facilities
Inorganic Chemistry Lab	Volumetric and Gravimetric analysis facilities, Instrumentation facilities (pH meter, conductometer, potentiometer, colorimeter, spectrophotometer turbidimeter
Organic Chemistry Lab	Rotary Evaporator Ice-Flaker Oven, Heating mantles, Soxhlet Extractor, Vacuum Pump – filtration assembly Hot plates, water baths, Kjeldahl's nitrogen analyzer (glass), Weighing balance (electronic), MP apparatus
Physical Chemistry Lab	General lab instruments (pH meter, conductometer, potentiometer, colorimeter, thermostats, Ostwald viscometer
Computer Laboratory	Computers
Sophisticated Instrumentation Laboratory	Gas Chromatograph, FTIR, Spectrofluormeter, Differential Scanning Calorimeter, Solar Stimulator, CHNS Analyzer, Spin coater
X-ray and UV Laboratory	Single Crystal X-ray Spectrometer, UV-Visible Spectrophotometer, Gel permeable Chromatograph.
Research laboratory – ANS group	Electrochemical system Model – Gill Ac Serial Number-1480 IVIUM Electrochemical work station Model –Vertex .1A.EIS KD2Pro (Thermal conductance measuring kid) Serial number-KP2371
Research Laboratory – AVA group	Oven, Rotary Evaporator, Vacuum Oven, Microwave-oven, Heating mantles, Refrigerator, UV-Chamber, Weighing balance (electronic), Spin coater, CH-Electrochemical analyzer, Low temperature bath, Hot plates, Sepacorel, MP apparatus

Electrochemistry Laboratory	Electrochemical workstation: Potentiostat/Galvanostat VersaSTAT-3 Potentiostat/Galvanostat Biologic SP-150 DC power sources: Agilent DC power analyzer (N6705 A) Aplab DC power source (LD3205, LD3202) Electromagnet: PLOYTRONICS (EM100) Statistical glossmeter: NOVO-GLOSS LITE Coating adhesion tester: TQC Adhesion tester Coating thickness gauges: Coatmeasure M & C Bench polisher (50Hz, 4.2 A)
Catalysis and Materials Laboratory	CVD set up UV Chamber Hot air Oven Electrochemical work station Weighing balance Muffle Furnace Magnetic Susceptibility meter Centrifuge Vacuum Oven Microwave oven Ultra-Sonication bath Tube Furnace Magnetic Stirrer with Hot plate
Research Laboratory-DKB group	Hot air ovens, centrifuge, Magnetic susceptibility meter, ultrasonic bath, photochemical reactor.
Advanced Membrane Technology Laboratory	Electrokinetic analyzer, Membrane casting instrument, Desalination testing unit, Hollow fiber membrane testing unit, Buchi rotavapor, Vacuum oven, Digital balance, heating oven, magnetic stirrers, Rotamantle, UV chamber, humidity chamber
Research Laboratory-UKD group	Rotary evaporator, hot oven, UV chamber, Fume cupboard, oil baths with PID temperature controller, Magnetic stirrer, vacuum pump, and sonicator
Supramolecular Chemistry Laboratory	Rotary evaporator, IKA make, RV 10DS96; Retsch ball mill, Retsch make, MM200

Department of Electrical and Electronics Engineering

Name of the Lab.	Major Equipment's /facilities
High Voltage Testing Laboratory	100 KV impulse generator, HV standard

	capacitor, 5 KV 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 Systems Laboratory	Scale-down model of 4-machine power systems, NI-based ADC and DAC cards, EMTDC/PSCAD, MATLAB, LabVIEW softwares,
Virtual Instrumentation Laboratory	NIDAQ systems, PXI1010 units with High Voltage measurement unit, NI-ELVIS stations, LABVIEW softwares, dSPACE 32xx rapid prototyping platform
Embedded Systems Laboratory	OSEK RTOS, KEIL RTOS, KEIL IDE for 805x, ARM, CODEWARRIOR IDE for 68HCXX, TI DSC Code composer Studio for 28XX MOTOROLA, INTEL,ARM,PIC DSC/MC units
Industrial Automation Laboratory	Distributed Control Systems [YOKOGAWA CS1000], PLC ROCKWELL RSLOGIX%), ABB RTU232.
Micro Grid Laboratory	10 kw wind solar hybrid system (2 wind turbines of 3.2 kw each and 3.6 photovoltaic system) capable of operating in grid connected and islanding mode of operation with charge controllers and Inverter. 1.2kW fuel cell bases 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 & 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.
Dept. Computer Lab.	60 desktop computers in the Dept. Computer Lab.

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 RF Signal Generator Vector Network analyzer 40GHz & Accessories 3GHz Network Analyzer

	<p>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 x64-based PC(s) with Intel(R) Core(TM) i7-4790 CPU @3.60GHz, 3601 Mhz, 4 Core(s), 8 Logical Processor(s) DSP Starter Kits and Evaluation modules Texas Instruments TMS 320C6437, TMS 320C6713, TMS 320C6416, TMS 320C5510 DM6446 Digital Video Evaluation Module Beagle Board, MSP430 Code Development Tools for Texas Instruments MATLAB 2015a (8.5.0) with various Toolboxes Celoxica DK Design Suite ModelSim XILINX ISE, System Generator, ChipScope and EDK XILINX Vivado Design Suite Xilinx EVM – Celoxica RC10, Virtex II, Virtex II Pro, Virtex V Xilinx Xtreme DSP Development Kit, Xilinx Multimedia EVB Xilinx Virtex IV Video Starter Kit Virtex VI Embedded Kits Xilinx Virtex VI FPGA DSP Development Kit with High Speed Analog Avnet Spartan – 6/O MAP Co-processing development kit Avnet Digilent Zed Boards Zynq-7000 EPP ZC702 Evaluation Kit Digilent Nexys 3 & Nexys 4 Kits Digilent Nexys Video Kit & accessories</p>

	Digilent Zybo Zynq™-7000 Development Boards Altera Bitec Cyclone III Development Kit Altera Cyclone IV GX FPGA Development Kit Stream Processor Evaluation Platform
Microprocessor & Embedded Systems Lab	Cadance ORCAD PSPICE A/D, PCB design tools Matlab, Simulink, ARM based code development tools
Network Management Lab	Foundry N/w's FastIron Edge X424
R&D Lab (Research Lab for MTech)	Dell Precision T1500 with Intel core I7-870 Workstations Access to all design tools in the other labs
Centre for Excellence for Wireless Sensor Networks	Work stations, WSN Design kits, Qualnet SW, NETSIM SW, Sensors
Stochastic Modeling Imaging and LEarning (SMILE) Lab	HP 8300 Workstations Access to all design tools in the other labs

Department of School of Management

Name of Laboratory	Major Equipment/Facilities
Computer lab	SPSS,
Language lab	software

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	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 Z800 Workstation SGH030TDHR (GPU Computing Server)-1 HP xw4400 workstation-2 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)

	<p>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</p> <p>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 Dlink DCS 2103 CAMERADCS 2103-2</p>
Project Laboratory	<p>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</p> <p>Workstations: Dell Precission T1700-3 HP xw4400 workstation-7</p>
Undergraduate Lab -I	<p>Desktop: Lenovo Think M90(5498-PR1)-56, HP Compaq dc 7900 Convertible Minitower - 4</p> <p>Cameras: Serveillance Setup Dlink DCS 2103 CAMERADCS 2103-3</p> <p>MIC Systems: KQ-SRS-1112 Infrared Sound Field</p>

	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 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
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)

<p>Drilling and Blasting Laboratory</p>	<p>Minimates Minimate plus High speed video camera VOD monitor Laser profile, WIPFRAG software Jack hammer drilling set-up Air compressor Modified lathe machine for rock cutting</p>
<p>Mine Environmental Engineering Laboratory</p>	<p>Manometer, Crossing point temperature, Digital Methanometer, CO detector, Psychomotor and etc. Water pollution monitoring kit Respirable dust sampler Sound level meter, Gas testing set up Exhaust gas analyzer Multi gas detector Automatic weather monitoring system Personal & Heat stress monitoring Equipment Self-Contained breathing apparatus. Human vibration measuring apparatus Digital millivolt meter Machine vibration measuring apparatus Larson & Davis noise dose meter</p>
<p>Mineral Processing Laboratory</p>	<p>Jaw Crusher Roller Crusher Ball Mill Rod Mill Bond' Work Index Setup 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 Turbo Mixer Micro Mill Vaccum Filtaration Unit Disc Mill Pot Mill Double Deck Vibratory Screen Model</p>

Mine Surveying Laboratory	Infrared Drier Spiral Concentrate Sieve Shaker
Mine Planning and Design Laboratory	Prismatic Compass, Surveyor Compass, Vernier Theodolite, Micro-Optic Theodolite, Dumpy level, Auto level, Digital level, Total station, Handheld GPS, DGPS.
Mine Pollution Laboratory	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 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

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	XRD Keithley Source Meter Keithley Multimeter Sputtering Unit Physical Deposition Unit Spray Pyrolysis Unit LCR Meter
Optoelectronics Laboratory	Optics Inc SD2000 spectrometer (UV vis spectra) Lux meter (Lutron) UVC Ozone Cleaning Unit Thermal evaporator Clean air flow bench OLED measurement system Keithley Sourcemeter (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,

	<p>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>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>
Material Processing Laboratory	<p>CLEMEX Microhardness Tester Physical vapour deposition Polishing Machine Muffle furnace (Max Temp 1000°C) Low speed Diamond saw cutting Blade Abbe refractometer Analytical balance and Density kit High temperature furnace P H Meter U V Visible spectrometer Incubator Ultra sonicator</p>
Materials Research Laboratory	<p>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</p>

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
Workshop Area (1000 Sq Ft)	Argon Arc Welding Set, Drilling Machine - Pillar Type, Drilling Machine - Portable Wolf Drilling Machine - High Speed Drilling Machine - Radial Engraving Machine, Grinder - Double End, Grinder - Pedestal, Grinder - Portable, Hack Saw Machine, Lathe MMM, Lathe Prakash, Plate Bending Machine, Shearing Machine, Spot Welder, Buffing Machine, Jig Machine, Welding Machine, Angle Grinder

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/facilitates
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 197 quarters for teaching faculties and 120 quarters for Non-Teaching Staff are available. Further the construction of following staff quarters apartments has been taken up through CPWD (total 104 units) and is expected to be completed before the end of 2017.

Type – III - one apartment comprising 28units.

Type IV – one apartment comprising 28units.

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 10.4.2015 and the following office bearers were elected:

- | | |
|---------------------------------|------------------------|
| 1. Mr. Anirudh Ganesh Sheshadri | - President |
| 2. Mr. Mayank Kedia | - Secretary |
| 3. Mr. Tanuj Kumar Kadiyala | - Joint Secretary |
| 4. Ms. Ansu George | - 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

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 -16	14.88
Virtual laboratory (SOM & FM Lab.) – Simulation/ Remote trigger	MHRD	Pruthviraj U., Ph.D.(LC), K.V.Gangadharan (IC), Ph.D.	2011-17	120 (Total 450)
Virtual laboratory (SOM Lab.) –Remote trigger	MHRD	Pruthviraj U., Ph.D. (LC), K.V.Gangadharan, Ph.D.(IC)	2011-17	50 (Total 100)
Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) Program – 2014	DST, Govt. of India	Subba Rao, Ph.D. G.S.Dwarakish, Ph.D. H.Ramesh, Ph.D. Manu, Ph.D.& Pruthviraj, Ph.D.	2015-20	142.09
Coupled dynamic analysis associated with the response and design loads of offshore floating wind turbine	Science and Engineering Research Board (SERB), DST Net Delhi, India	Debabrata Karmakar	2016-19	25.32
Hydrodynamic performance of perforated semicircular breakwater	Ministry of Earth Sciences	Manu (PI), Ph.D. Subba Rao (Co-PI), Ph.D.& A.Vittal Hegde, Ph.D. (Co-PI)	2016-21	78.0

Projects On-going

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Lakh Rs.)
Laboratory Investigation on Berm Breakwater	INCH	Subba Rao, Ph.D. (PI & Coordinator),Kiran G Shirlal, Ph.D. K. Balakrishna Rao,	2010-16	14.88

		(Investigators)		
Virtual laboratory (SOM & FM Lab.) – Simulation/ Remote trigger	MHRD	Pruthviraj U. (LC) ,Ph.D. K.V.Gangadharan (IC) ,Ph.D.	2011-17	120 (Total 450)
Virtual laboratory (SOM Lab.) –Remote trigger	MHRD	Pruthviraj U,Ph.D. (LC), K.V.Gangadharan (IC) ,Ph.D.	2011-17	50 (Total 100)
Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) Program – 2014	DST,Govt. of India	Subba Rao,Ph.D. G.S.Dwarakish,Ph.D. H.Ramesh,Ph.D. Manu,Ph.D. & Pruthviraj,Ph.D.	2015-2020	142.09
Coupled dynamic analysis associated with the response and design loads of offshore floating wind turbine	Science and Engineering Research Board (SERB), DST Net Delhi, India	Debabrata Karmakar	2016-19	25.32
Hydrodynamic performance of perforated semicircular breakwater	Ministry of Earth Sciences	Manu (PI) ,Ph.D. Subba Rao (Co-PI) ,Ph.D. & A.Vittal Hegde (Co-PI) ,Ph.D.	2016-2021	78.0

Projects On-going

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Lakh Rs.)
Laboratory Investigation on Berm Breakwater	INCH	Subba Rao,Ph.D. (PI & Co-ordinator), Kiran G Shirlal,Ph.D. K. Balakrishna Rao, (Investigators)	2010 -16	14.88
Virtual laboratory (SOM & FM Lab.) – Simulation/ Remote trigger	MHRD	Pruthviraj U,Ph.D. (LC), K.V.Gangadharan (IC) ,Ph.D.	2011-17	120 (Total 450)
Virtual laboratory (SOM Lab.) –Remote trigger	MHRD	Pruthviraj U. (LC), ,Ph.D. K.V.Gangadharan (IC) ,Ph.D.	2011-17	50 (Total 100)
Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions	DST,Govt. of India	Subba Rao,Ph.D. G.S.Dwarakish,Ph. D. H.Ramesh,Ph.D. Manu,Ph.D. &	2015-20	142.09

(FIST) Program – 2014		Pruthviraj, Ph.D.		
Coupled dynamic analysis associated with the response and design loads of offshore floating wind turbine	SERB-DST	Debabrata Karmakar	2016-18	25.0

(ii) Projects Proposed

Faculty Name (Principal Investigator/Coordinator)	Project Title	Proposed (Requested) Grant (INR) (in Lakhs)	Funding Agency	Status (Sanctioned /In-Process)
A.Mahesha, Ph.D. Subrahmanya K, Ph.D.	Hydrogeological Studies of Coastal Wetlands – A Case Study	43.3	INCGW	APPROVED
Paresh Chandra Deka, Ph.D.	Groundwater vulnerability assessment in fluoride contaminated areas-a case study in Challakere town of south India	64 .0	Ministry of Earth Sciences, Govt. of India	In-Process
Paresh Chandra Deka, Ph.D.	Influence of subsurface heterogeneity and vegetation cover on saturated hydraulic conductivity at field scale	77.0	Ministry of Environment and Forest, Govt. of India	In-Process
Paresh Chandra Deka, Ph.D.	Study of soil evaporation of agroforestry system in humid tropical climate	41.0	Ministry of Environment and Forest, Govt. of India	In-Process
Manu, Ph.D. A.Vittal Hegde, Ph.D. Subba Rao, Ph.D.	Hydrodynamic performance of perforated semicircular breakwater	114.47	Ministry of Earth Sciences	Sanctioned 2016-19
Ramesh H, Ph.D.	Wave energy conservator	35.0	Ministry of Science & Technology, Department of Science & Technology (DST), Govt. of India	In-process
A.Mahesha, Ph.D. Amba Shetty, Ph.D. Varija, Ph.D. & H.	Climate change - Impact on West coast river basins	65.40	Ministry of Water Resources	In-Process

Ramesh,Ph.D.				
K.Varija,Ph.D. & H.Ramesh,Ph.D.	Modeling the effect of land use and land cover changes on runoff in Pavanje river basin in Dakshina Kannada District, Karnataka	51.0	DST, Govt. of India under the scheme 'Scientific and Engg. Research'	In-Process
Lakshman Nandagiri,Ph.D. & K.Srinivasan (IIT, Madras)	Climate change impact assessment on the water resources of Cauvery basin	392.0	Central Water Commission, GoI	In-process
G.S.Dwarakish,Ph.D.	Modelling of Sediment Transport in Near shore along Mangalore Coast using Conventional and Remote Sensing Data under GIS Environment	129.835	Ministry of Earth Sciences (MoES), Govt. of India	In-process
G.S.Dwarakish,Ph.D.	Simulating the Impact of Land use Changes on Hydrological Response of Humid and Sub-humid Catchments in Karnataka state, India	14.80	RESPOND Programme National Remote Sensing Center Dept. of Space, Hyderabad	In-process
Vadivuchezhian K., Ph.D. ,, Subrahmanya K,Ph.D. & Gnanasekaran	Studies on average friction coefficient under partial step fretting of Titanium alloys at higher temperatures	180	DRDO	In-Process
T.Nasar,Ph.D.	Assessment and performance of porous screen as a damping device in liquid sloshing ship tanks	78.0	Ministry of Shipping, Govt. of India	In-process
Debabrata Karmakar, G.S.Dwarakish,Ph.D.and Sukomal Mandal,Ph.D.	Numerical and experimental investigation on the Dynamic analysis of Offshore floating wind turbnies	226.92	Science & Engineering Research Board (SERB), New Delhi	In-process

Department of Chemical Engineering

Name Of Project	Funding Agency	Name Of Investigator(S)	Period	Funding Amount In Lakhs (Rs.)
Measurement And Characterization Of Ambient Bioaerosols In Bangalore City India.	DST, Govt. Of	Gangamma, Ph.D.	2013-16	53.00
Ambient Airborne Particulate Matter: Effect Of Biological Component On Lung Inflammation	DST, Govt. Of India.	Gangamma, Ph.D.	2013-16	51.00
Biomass Fuel Burning Smoke Induced Inflammation: Mechanism Of Biological Pathways	CSIR, New Delhi	Gangamma, Ph.D.	2015-18	17.00
Air Pollution Induced Immune Cell Dysfunction: Implication In Viral Infection	DST, Govt. Of India	Gangamma, Ph.D.	2015-18	53.90
Heavy Metals Removal By Melanin Coated Polymer Matrix	DST.	Keyur Raval, Ph.D.&Gangamma, Ph.D.	2015-18	38

Department of Civil Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount in Lakhs
Use of stabilized blast furnace slag in infrastructure projects	Kirloskar Ferrous Industries, Koppal	Sunil B M, Ph.D. & Shrihari S, Ph.D.	2014 -16	6.48
BARC- Structural Engineering Project	Bhabha Atomic Research Centre, Mumbai	Katta Venkataramana, Ph.D. & K S Babu Narayan, Ph.D.	2007-17	31.38
L&T sponsored Mtech (CTM) Program project	Larsen & Toubro Construction, Chennai	Gangadhar, Ph.D Mahesh & C Rajasekaran, Ph.D.	2014-19	650.00
Experimental Investigation on Rutting and Flexural Behaviour of Structural Asphalt Mixes with Warm Mix Asphalt Additives	Science and Engineering Research Board, Department	Suresha S.N, Ph.D.	2013-16	18.58

	of Science and Technology, GoI			
Fund for Improvement of S&T Infrastructure - 2013	Department of Science and Technology, GoI	Suresha S. N., Ph.D.	2013 - 18	110.80
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. Naveenchandra, Ph.D.	2014-18	21.30
Network on Decentralized Grey/Waste Water Treatment & Recycling	Indo-French Centre for the Promotion of Advanced Research (IFCPAR)	Arun Kumar, Ph.D. Thalla (Joint Collaborator from NITK along with IISc, IITKgp and INRA-France.	2016-18 (Approved)	35.00

Department of Computer Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount in Lakhs
Development of tool for detection of XML based Injection Vulnerabilities in web applications	DIT, MCIT	P. Santhi Thilagam, Ph.D. (PI), Alwyn Roshan Pais, Ph.D. (coPI)	2 years 2014-16	38.16
FIST Program	DST	Head of the Department, CSE	5 years (2014-18)	56.00
Information Security Education and awareness Phase-II	DIT, MCIT	Alwyn Roshan, Ph.D. Pais (PI), P. Santhi, Ph.D. Thilagam (coPI)	2015-20	Approx. 2.7 crore
Design of a modular, FPGA accelerated, Chip Multiprocessor Architecture Simulator	DST	Basavaraj Talawar, Ph.D.	2016-18	26.9

An automatic system for identification of phonological processes in children of age two and half to six and half years	DST	Shashidhar G., Ph.D. Koolagudi (PI), Venkat Raja, Ph.D. (coPI)	2016-19	30.00
--	-----	---	---------	-------

Department of Chemistry

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount in 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.16.	25.00
High Performance Thermoelectric Materials via Band Engineering	SERB	D. Krishna Bhat, Ph.D.	2015-18	26.76
Towards development of low cost, fouling resistant ultrafiltration based hollow fiber membranes for the haemodialysis cartridge.	Vision Group on Science & Technology, Government of Karnataka, 2015-2018.	Arun M Isloor, Ph.D.	2015-18	60.00
DST-INSPIRE Faculty Project	DST	Beneesh P B, Ph.D.	2013-18	35.00
DK District Biofuel Information and Demonstration Activities	Karnataka State Bioenergy Development Board, GoK, Bangalore	A. Vasudeva Adhikari, Ph.D.	2012-17 Ongoing	15.00
Development of low cost, fouling resistant ultrafiltration based hollow fiber membranes for the haemodialysis cartridge	Vision Group on Science & Technology, Government of Karnataka		2015-18	60.00

Department of Electronics and Communication Engineering

- i) **DST FIST** project to support RF Communication and Networks with a project outlay Rs.125 Lakhs. (Project duration: Five years)
- ii) Building Capacity in teaching and collaborative research in sensor systems for public Utilities under **Newton-Bhabha** project (Project outlay: Rs. 75 Lakhs)

Collaborating Institutions: NITK, Surathkal, University of Birmingham, Robert Bosch Engineering India (RBEI), IBM India, ThoughtFocus Pvt. Ltd, AJ Hospital, Srinivas Institute of Technology, Mangalore.

- iii) Energy Harvesting Seat Funded by ANRC, Boeing. (Project Outlay: Rs. 3 Lakhs)
 iv) Uncoordinated, Secure and Energy Aware Access in Distributed Wireless Networks” sponsored by Information Technology Research Academy, Department of Information Technology, Government of India Collaborating Institutions: IIT Bombay, TIFR, Mumbai, NIT Durgapur (Project outlay: Rs. 21.25 Lakhs)

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount in Lakhs
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	2014-17	21.25
Energy Harvesting Seat	ANRC, Boeing	M S Bhat, Ph.D.	2014-16	3.00
Indian Railway Project Design, Development and Commissioning of Automatic Warning System for Unmanned level crossings for Indian Railways	TEQIP	U Sripati, , Ph.D.	2015-17	4.00
Advanced Research Laboratory in RF Communication and Networks (RFCN)	DST-FIST	U Sripati, Ph.D.	2016-21	125.00
Development and Performance Evaluation of Efficient tracking Algorithms for phased array radars in the presence of electronic counter measures	SERB	P Srihari, , Ph.D.	2016-19	13.10
Newton Baba Project Development of Wireless Sensor Network System for Public Utilities	Royal Academy of England	Principle coordinator – NITK Surathkal Partners 1. University of Birmingham 2. Robert Bosch India Pvt. Ltd. 3. IBM India 4. ThoughtFocus Technologies Pvt. Ltd. 5. Srinivas Institute of Technology, Mangalore	2016-18	77.50

		6. A J Hospital, Mangalore		
--	--	-------------------------------	--	--

Department of Electrical & Electronics Engineering

Name of the Project	Funding Agency	Name of the Investigator(s)	Period	Funding Amount (Rs.)
Two Research scholarships to investigate in the areas of i. Sensing Techniques, ii. Super-efficient Motor Control, under "Visvesvarya PhD Scheme	GOI, MCIT, DEITY.	Panduranga Vittal K., Ph.D.	2015 -20	50.00
Establishing center of excellence (CoE) in "Renewable Energy Source integrated Smart Grid Technologies (RENEST)"	Frontier Areas of Science and Technology (FAST), MHRD, GOI.	Panduranga Vittal K., Ph.D.	2014-18	400 Lakhs (Sanctioned 250 Lakhs under Phase 1
Project on Development of Virtual laboratories on following theme areas: a. Industrial Electric Drives b. Substation Automation.	GOI, MHRD, NME-ICT	Panduranga Vittal K., Ph.D. and 3 more departments at Institute level having principal investigators of respective departments, namely, K V Gangadharan (Mech), Ph.D. Vidhya Shetty (Chemical), Ph.D. and Pruthviraj (Applied Mech), Ph.D.	2010-15	450 Lakhs (Dept. outlay is 1/4 Approx.)
Control strategies for dynamic voltage restorer under unbalanced & disturbed grid conditions	SERB,DST	A. Karthikeyan., Ph.D.	2014-15	23.21
FPGA based development of different MPPT algorithms for stand-alone photo voltaic system using artificial intelligence	CPRI, Bangalore	Debashisha Jena (PI) ., Ph.D.D. N. Gaonkar (Co-PI) ., Ph.D.	2014-15	25.07
Utility Interactive based Power supply	DST-SERB	R KALPANA, ., Ph.D.	2015-16	21.0

School of Management

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Live interdisciplinary R& D project & consultancy exposure in management and engineering to faculty & students through micro, small and medium enterprises	TEQIP-II	Bijuna C Mohan, Ph.D. and K V Gangadharan, Ph.D.	March 2015 to October 30, 2016)	Rs.9.83

Department of Mathematical and Computational Sciences

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount in Lakhs
Topological structures for semiclosed operators on Hilbert spaces	SERC, DST, Govt. of India	P. Sam Johnson, Ph.D..	Three years	3.00
A study on Moore-Penrose in Krein Spaces	NBHM, DAE, Govt. of India	P. Sam Johnson, Ph.D.	Three years	1.89
On the solutions of Convection-Diffusion equations	NBHM, DAE, Govt. of India	Satyanarayana Engu, Ph.D.	(sanctioned in Feb. 2015) Three years	8.3

Department Of Mechanical Engg.

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount in Lakhs
Low cost AGVs for the Indian automation market.	Daimler India Commercial Vehicles	Pruthviraj, Ph.D. Funding Amount in Lakhs & K V Gangadharan, Ph.D. (CSD), Funding Amount in Lakhs	1 year	4.00
Live Interdisciplinary R&D Project & Consultancy Exposure In Management And Engineering To Faculty & Students Through Micro, Small And Medium Enterprises	TEQIP- II	Bijuna Mohan, Ph.D. & K V Gangadharan (CSD), Ph.D.	1 year	9.75

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount in Lakhs
Flipped Class Room	MHRD/NITK	Pruthviraj, Ph.D., & K V Gangadharan (CSD), Ph.D.	2 year	40.00
Smart Irrigation Management System (Sims)	TEQIP- II	AmbaShetty, Ph.D. Pruthviraj, Ph.D. & K V Gangadharan (CSD), Ph.D.	1 year	6.50
A Cost Effective Open-Source Camera Trap For Wildlife Conservation And Research Applications	TEQIP- II	Pruthviraj U., Ph.D., AmbaShetty, Ph.D. & K V Gangadharan (CSD), Ph.D.	1 year	5.50
Visualization of boiling heat transfer on grooved surface	CSIR	Sathyabhama A, Ph.D.	3 year	20.00

Department Of Mining Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount in Lakhs
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.	2013-15	14.3
Development of Crushing & Grinding Characteristic Curves for Different Rocks Using Insmart Crushers and Mills”,	Insmart Systems Hyderabad	K. Ram Chandar, Ph.D.	2015-16	4.31
Scientific Study for Usage and Optimization of ANFO in OC Mines of SCCL	SCCL	V.R Sastry, Ph.D.	2014-15	6.00
Development of value added product using gold mill tailings for its effective utilization”	M/s. Hutti Gold Mines Co.Ltd.	M.Aruna, Ph.D. And Harsha Vardhan, Ph.D.	2015-2017	13.26

Department of Metallurgical and Materials Engineering

Name of Project	Funding Agency	Name of Investigator(s)	Period	Funding Amount (Rs)
Metallurgical Investigation on Thermally Aged SS304	BRNS	K. Rajendra Udupa, Ph.D. Jagannath	2009	18.81

LN welds		Nayak,Ph.D.		
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
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
Novel Nanocomposites from bio-degradable polymers and nano-structured fly ash	DST-SERB	Anandhan Srinivasan,Ph.D.	2012	18.17
Friction Stir Processing of Steels for Surface Alloying and Wear	Ministry of Defence - Naval	Udaya Bhat K,Ph.D.	2011	7.95
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

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	10.00
DST-FIST Research facility for Physics Department	DST	N. K. Udayashankar,Ph.D.& H. S. Nagaraja,Ph.D.	5 years	64.00
DST-SERB-Si Electrodes for Li ion battery	DST-SERB	H.S.Nagaraja,Ph.D. & Ajith K.M,Ph.D.	3 years	43.57
Atomistic Modeling of metal organic compounds: towards molecular spintronics	DST(SERB)	Kartick Tarafder,Ph.D.	2016-2019	22.73
DST INSPIRE Faculty Grant	Department of Science and Technology	Kishore Sridharan,Ph.D.	Oct 2015 – Oct 2020	35

13.2 PROPOSED PLAN FOR RESEARCH

Department of Chemical Engineering

New Labs / Equipment	Target For Sponsored R&D Projects	New Areas Of Research	Institutions/Organisations For Future Collaborations
PIV, PLIF, Micro PIV, Super Computer	SERB	Flow Visualisation	IIT-Madras

Department of Civil Engineering

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
Asphalt Aging Simulators	CSIR	Rheology of asphalt and asphalt mixtures	CSIR-CRRI, New Delhi and MRPL
4-chambered anaerobic-aerobic biofilm greywater treatment Automated System	IMPRINT	<i>Small Scale and Sustainable Household Wastewater Recycling (S3HWR)</i>	IISc, IITKgp, NEERI

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	Multi-model visual Security	Foreign universities and/or IITs/IISc.
Big Data Analytics	DST	Big Data	Foreign universities and/or IITs/IISc.

Department of Chemistry

New Labs/ Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
Catalysis and Materials Laboratory	DST	Graphene Quantum Dots for biosensors	Foreign Universities and/or IITs/IISc.

Gas Chromatography	DST	Methanol Economy: Production of methanol using Pincer complexes	Department of Chemistry University of Southern California, Los Angeles
Solar Cell Fabrication Laboratory: Electrochemical workstation: for PV characterization	Imprint (DST)	Design and development of new dyes for DSSCs	N.C. University, Raleigh, US
Mass Spectrometer	DST	New discotic liquid crystals for solar cell applications	RRI, Bangalore

Development of advanced hollow fibre membranes for the water purification, development of flat sheet nanofiltration membranes, nanomaterials & Medicinal Chemistry.

Department of Electrical and Electronics Engineering

New Labs/ Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
High power converter	DST	Multilevel Inverter	NIT Karnataka

Department of Information Technology

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/ organizations for future collaborations
Data Sciences Lab, Semantics based processing of large scale data for Knowledge Discovery	Submitted project proposal to DST	Data Science, Machine Learning, Natural Language Processing	Australian National University, Canberra.
Applying intelligent machine learning algorithms to Computer Vision related real-world problems	Project proposals to be submitted to DST and MHRD	Machine Learning, Computer Vision	IIT Madras, CMU, USA

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 Quenchants 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 9. Tata Institute of Fundamental Research, Hyderabad 10. IIT Hyderabad

Department of Physics

New Labs/Equipment	Target for Sponsored R&D projects	New Areas of Research	Institutions/organizations for future collaborations
Functional Nanomaterials Research Laboratory		Photocatalysis, Solar Fuel generation, Nonlinear optical properties of nanostructured materials	Functional Nanomaterials Research Laboratory

TECHNICAL PAPERS PUBLISHED IN REFEREED JOURNALS

Table: List of publications during the period under report

Sl. No.	DEPARTMENT	PUBLICATIONS				Total
		International Journal	National Journal	International Conference	National Conference	
1	Applied Mechanics & Hydraulics	72	04	31	13	120
2.	Chemical Engineering	39	--	23	05	67
3.	Chemistry	50	--	11	03	64
4.	Civil Engineering	30	07	27	17	81
5.	Computer Engineering	11	--	68	--	79
6.	Electrical and Electronics Engineering	08	06	34	03	51
7.	Electronics & Communication Engineering	11	--	23	02	36
8.	School of Management	03	01	07	01	12
9.	Information Technology	10	--	41	--	51
10.	Mathematical and Computational Sciences	66	---	02	01	69
11.	Mechanical Engineering	33	--	22	12	67
12.	Metallurgical And Materials Engineering	58	03	08	--	69
13.	Mining Engineering	10	07	08	01	26
14.	Physics	17	--	13	02	32
	Total	418	28	318	60	824

**INTERNATIONAL JOURNAL :-
Department of Applied Mechanics And Hydraulics**

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1	Identification of hydrologically active areas in a watershed using satellite data	<i>Aquatic Procedia</i> (Elsevier), 4 (2015), 1339-1344, 2015	Kumar Raju B. C. and L. Nandagiri
2	Evaluation of economic value of Pilikula Lake using travel cost and contingent valuation methods	<i>Aquatic Procedia</i> (Elsevier), 4 (2015), 1315-1321, 2015	Jala and L. Nandagiri
3	Analysis of temporal stability of observed soil moisture under plantation forest in Western Ghats of India	<i>Aquatic Procedia</i> (Elsevier), 4 (2015), 601-608, 2015	Venkatesh B., L. Nandagiri and Purandara B. K
4	Evaluating uncertainty of Soil and Water Assessment Tool (SWAT) model in the Upper Cauvery Basin, Karnataka, India	<i>International Journal of Earth Sciences & Engineering</i> , 08(4), 1675-1681. Aug. 2015	Kumar Raju B.C. and L. Nandagiri
5	Performance Evaluation of SWAT Model for Land Use and Land Cover Changes in Semi-Arid Climatic Conditions: A Review	<i>Hydrology Current Research</i> , 6 (3), 2015, doi:10.4172/2157-7587.1000216	Kiros G, Amba Shetty and L. Nandagiri.
6	Sensitivity Analysis of Rainfall – Recharge Model for a Noisy Data`	International JI of Research in Engg and Technology (eISSN 2319 1163, pISSN 2321-7308)	M K Nagaraj and Harish Kumar
7	Age Based Classification of Arecanut Crops A case Study of Channagiri	Geocarto International (International JI published by Taylor and Francis) (DOI 10.1080/10106048.2015.1094528	Bhojaraj B E ,Amba Shetty , M K Nagaraj and P Manju
8	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 (ISSN 1759-3131), Volume 5, No. 2,pp 79-88, (ISSN 1759-3131).	Harish, N., Lokesha, Mandal, S., Rao S. and Patil, S.G.
9	2D And 3D Analysis ofa Diaphragm Wall Type Berthing Structure under Static Loading	International Journal of Scientific Engineering and Technology (IJSET), SpecialIssue, ISSN 2277-1581, pp 371-375, (ISSN 2277-1581).	Yajnheswaran. B., Ranjan. and Subba Rao
10	Particle swarm optimization based support vector machine	Applied soft computing, Elsevier Publications,	Harish, N., Mandal, S., Subba Rao. and

	for damage level prediction of non-reshaped berm breakwater	Vol. 27, pp313-321, (http://dx.doi.org/10.1016/j.asoc.2014.10.041 1568-4946).	Patil, S.G
11	“Effect of Artificial Sea Grass on Wave Attenuation- An Experimental Investigation	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 221-226 (doi: 10.1016/j.aqpro.2015.02.030).	Beena Mary John, Kiran G. Shirlal and Subba Rao
12	Runup and Rundown characteristics of an emerged seaside perforated quarter circle breakwater	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp234-239 (doi: 10.1016/j.aqpro.2015.02.032)	Binumol.S, Subba Rao and Arkal Vittal Hegde
13	A Review on Development of Minor Ports to Improve the Economy of Developing Country	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 256 - 263 (doi: 10.1016/j.aqpro.2015.02.035).	Geetha Kuntoji and Subba Rao
14	Performance of Variable Selection Method for the Damage Level Prediction of Reshaped Berm Breakwater	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 302 - 307 (doi: 10.1016/j.aqpro.2015.02.041).	Prashanth Janardhan, Harish. N, Subba Rao and Kiran G. Shirlal
15	Analysis of the Effect of Anchor Rod on the Behavior of Diaphragm Wall Using Plaxis 3d	Aquatic Procedia (Elsevier), Vol. 4 (2015), pp 240 - 247 (doi: 10.1016/j.aqpro.2015.02.033).	Yajnheswaran, Ranjan H S, and Subba Rao
16	Classification of tidal inlets along Andhra Pradesh coast on the central east coast of India	Procedia Engineering (Elsevier), Vol. 116(2015), pp.922-931(doi:10.1016/j.proeng.2015.08.382)	Amarnath Reddy. N, Vikas. M, Subba Rao and Jaya Kumar Seelam
17	Classification of tidal inlets along central west coast of India	Procedia Engineering (Elsevier), Vol. 116(2015), pp.922-931(doi:10.1016/j.proeng.2015.08.381).	Vikas. M, Amarnath Reddy. N, Subba Rao and Jaya Kumar Seelam
18	Effect of stiffness on performance of Diaphragm Wall	Procedia Engineering (Elsevier), Vol. 116(2015), pp.343-349 (doi:10.1016/j.proeng.2015.08.305).	Yajnheswaran B, Akshay P.R, Rajasekaran C, and Subba Rao
19	Directional Asymmetry in Random Waves Near Shallow Water Regions - Its Application in Physical Modelling	Procedia Engineering (Elsevier), Vol. 116(2015), pp.720-729 (doi:10.1016/j.proeng.2015.08.357)	Jagadeesh H B, Subba Rao, Nagendra T and Chalawadi A S
20	Effect of Artificial Vegetation on Wave Attenuation - An	Procedia Engineering (Elsevier), Vol.	Beena Mary John, Kiran G. Shirlal, and

	Experimental Investigation	116(2015), pp.600-606 (doi:10.1016/j.proeng.2015.08.331)	Subba Rao
21	Predictive simulation of seawater intrusion in a tropical, coastal aquifer.	J. Environ. Engg., ASCE D 4015001 (http://dx.doi.org/10.1061/(ASCE)EE.1943-7870.0001037)	Lathashri UA and A.Mahesha
22	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
23	Parametric studies on saltwater intrusion into coastal aquifers for anticipated sea level rise	<i>Elsevier Aquatic Procedia</i> 4, 103-108	Priyanka BN and A.Mahesha
24	Simulation of saltwater intrusion in a coastal aquifer in Karnataka, India	<i>Elsevier Aquatic Procedia</i> 4, 700-705.	Lathashri UA and A.Mahesha
25	A semi-empirical approach to model the wave transmission characteristics for submerged reef breakwater	International Journal of Earth Sciences and Engineering, India, ISSN 0974-5904, Vol 8, No 2, April, pp 397 –401	Sindhu S, Kiran G. Shirlal, and Manu
26	Prediction of wave transmission characteristics at submerged reef breakwater	Prediction of wave transmission characteristics at submerged reef breakwater”, <i>Procedia Engg</i> , An Intl online journal of Elsevier publication, Vol/Issue 116C, pp 262 –268	Sindhu S, Kiran G. Shirlal, and Manu
27	Physical model study on stability of geotextile Sand Containers”, <i>Procedia Engg</i> ,	An Intl online journal of Elsevier publication, Vol/Issue 116C, pp 567 –574	Kiran G. Shirlal and Ramesh Reddy Mallidi
28	Review of developments in estimation of wave reflection from coastal structures	Special Issue of Intl Organisation of scientific Research (ISOR) Journal of Mechanical and Civil Engg, e-ISSN:2278-1684,p-ISSN:2320-334X, pp30-32	Roobin V. Varghese, Kiran G. Shirlal, Bindiya Hari P and Sabna Mohanan
29	Analysis of Land Use/Land Cover distribution using Remote Sensing and GIS: A case study of Mulki river basin	International Journal of Earth Sciences and Engineering, Vol. 7, No. 2, pp. 420-426	Ganasri B P and Dwarakish G S

30	A Comparative Analysis of Histogram Equalization based Contrast Enhancement Techniques for Detection of Shoreline using Satellite Images	International Journal of Earth Sciences and Engineering, Vol. 7, No. 2, pp. 522-529	A Raju, G S Dwarakish and D Venkat Reddy
31	Tidal-Level Forecasting Using Artificial Neural Net-works along West Coast of India	Japan Society of Civil	Rakshith, S. and
32	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, Vol. 3, No. 4, pp. 763-775	Shushma Shashi.B, Dwarakish G. S., Kiran K.B.
33	El Nino: A Review	International Journal of Earth Sciences and Engineering, Vol. 8, No. 2, pp.130-137.	Vikas M and G S Dwarakish
34	GIS for Conservation of Sacred Groves of Kodagu District – A Traditional Culture	International Journal of Earth Sciences and Engineering, Vol. 8, No. 2, pp.377-385	B Shushma Shashi, G S Dwarakish and K B Kiran
35	Impact of land use change on hydrological system: A review of current modeling approaches. Cogent Geoscience	Vol. 1, No. 1, pp. 1-18. (DOI:10.1080/23312041.2015.1115691)	Dwarakish G S and Ganasri B P
36	Nearshore waves and longshore sediment transport along Rameshwaram Island off the east coast of India	International Journal of Naval Architecture and Ocean Engineering, Vol.7 No.6. pp. 939-950	Rajamanickam Gowthaman, V. Sanil Kumar, Gowdagere Siddaramaiah Dwarakish, P.R. Shanas, Basanta Kumar Jena and Jai Singh
37	Wave Prediction Using Neural Networks at New Mangalore Port along West Coast of India	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 143-150	Deepthi I Gopinath and Dwarakish G S
38	Satellite Oceanography: A Review	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 165-172	R. Rajeesh and Dwarakish G S
39	Review on the role of Ports in	Aquatic Procedia, International	Dwarakish G S and Akhil Muhammad

	the Development of a Nation	Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 295-301	Salim
40	Coastal Pollution: A Review	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 381-388.	M. Vikas and Dwarakish G S
41	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
42	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
43	Applications Of Remote Sensing In Satellite Oceanography: A Review	Aquatic Procedia, International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 579-584	Gayathri K Devi, Ganasri B P and Dwarakish G S
44	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
45	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
46	Study of Land Use/Land Cover Dynamics through	Aquatic Procedia, International	Ganasri B P and Dwarakish G S

	Classification Algorithms for Harangi Catchment Area, Karnataka State, INDIA	Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15), Vol. 4, pp. 1413-1420	
47	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
48	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
49	Subpixel Mineral Mapping Using EO-1 Hyperion Hyperspectral Data	The international Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XCL-8, Doi:10.5194 / isprsarchives XL-8-455-2014	Chandan Kumar, Amba Shetty, Simit Raval Richa Upadhyay, P. K. Champatiray
50	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
51	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, U. Pruthviraj, Amba Shetty, M.K.Nagaraj
52	A comparative study of vchange detection algorithms in MATLAB	Aquatic ProcediaVolume 4, 2015, Pages 1366-1373	Minu S. and Amba Shetty
53	Agricultural Drought Monitoring Using Remotr Sensing	International Journal of Environmental Science and Development, Vol 6, no5, May 2015, pp 326-331	B.M.Dodamani, Anoop R and D.R. Mahajan
54	Reverse Osmosis Desalination as an alternative Water	International Journal of Engineering Research	Avin Kajekar, B.M.Dodamani and

	Resourses Project for Drinking Water a Case Study	and Technology (ISSN 2278-0181),vol, 3 No 12 December 2014, pp 173-177	Arun Isloor
55	Preparation and characterization of novel PSf/PVP/PANI-nanofiber nanocomposite hollow fiber ultrafiltration membranes and their possible applications for hazardous dye rejection	In: Desalination, Vol. 365, 01.06.2015, p. 117-125	Kajekar, Avin J.; Dodamani, B. M.; Isloor, Arun M.; Karim, Zulhairun Abdul; Cheer, Ng Be; Ismail, A. F.; Shilton, Simon J
56	Assessment of soil erosion by RUSLE model using remote sensing and GIS - A case study of Nethravathi Basin	Geoscience Frontiers (2015), http://dx.doi.org/10.1016/j.gsf.2015.10.007 ; (Elsevier)	Ganasri, B.P., Ramesh, H
57	Satellite data and geospatial technique based mapping of groundwater potential zones in Nethravathi basin	South India. Journal of Geo Observateur, CRTS, N°22, 49-59	Ramesh H. and Rashma Jain R
58	The 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 (Proc. Of International Conf. on Water Resources, Coastal and Ocean Engineering-2015 (ICWRCOE'15)), Elsevier, Vol. 4, 57-64	Konstantin J. Sylus and H. Ramesh
59	Impact of mudbanks on coastal dynamics	Journal of Aquatic Proceedia (Special Issue of Proc. Of International Conf. on Water Resources, Coastal and Ocean Engineering-2015 (ICWRCOE'15)), Elsevier.Vol. 4, 1514 – 1521	Parvathy K G, Ramesh H, Noujas V, Thomas K V
60	Streamflow Response to Land use Land cover Change over the Nethravathi River Basin, India	Journal of Hydrologic Engg., ASCE, 05015002-1-11	Babar F Santosh and Ramesh H
61	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:1.337	Bikas, G. S., Ramesh, H and Vijaykumar, H
62	Analysis of monsoon onset trend and extreme rainfall	ISH Journal of Hydraulic Engineering,	Santosh Babar and H. Ramesh

	events over Nethravathi river basin	20(2), 202-2012	
63	Statistical analysis of water quality and water level of Nethravathi and Gurpur river basin, Mangalore, India	Journal of Environment and development, Vol. 8, pp 747-750.(F:1.268).	Sylus J. K., and Ramesh H
64	An extreme learning machine approach for modeling evapotranspiration using extrinsic inputs.	Computers and Electronics in Agriculture, Elsevier, 121, pp.385-392. DOI: 10.1016/j.compag.2016.01.016 (IF- 1.761)	Patil, A. P., & Deka, P. C.
65	Multistep Ahead Groundwater Level Time-Series Forecasting Using Gaussian Process Regression and ANFIS	In Advanced Computing and Systems for Security (pp. 289-302). Springer India. DOI: 10.1007/978-81-322-2653-6_19	Raghavendra, N. S., & Deka, P. C.
66	Comparison of Oceansat-2 scatterometer-to buoy-recorded winds and spatial distribution over the Arabian Sea during the monsoon period	International Journal of Remote Sensing, Taylor & Francis, 36(18), pp.4632-4651. DOI: 10.1080/01431161.2015.1084436 (IF – 1.652)	Gadad, S., & Deka, P. C.
67	Performance evaluation of hybrid Wavelet-ANN and Wavelet-ANFIS models for estimating evapotranspiration in arid regions of India	Neural Computing and Applications, Elsevier, 1-11. DOI: 10.1007/s00521-015-2055-0 (IF- 1.569)	Patil, A. P., & Deka, P. C
68	Forecasting monthly groundwater level fluctuations in coastal aquifers using hybrid Wavelet packet-Support vector regression	Cogent Engineering, 2(1), Taylor & Francis 999414. DOI: 10.1080/23311916.2014.999414	Raghavendra, N.S, & Deka, P. C
69	Forecasting daily pan evaporation using hybrid model of wavelet transform and support vector machines	International Journal of Hydrology Science and Technology, 5(3), pp.274-294. DOI: 10.1504/IJHST.2015.071354	Pammar, L., & Deka, P. C
70	Support vector machine applications in the field of hydrology: a review	Applied Soft Computing, Elsevier, 19, pp. 372-386. DOI: 10.1016/j.asoc.2014.02.002 (IF -2.81)	Raghavendra, N.S., & Deka, P. C.
71	Finite Element Modeling of Effect of Adhesive Layer used	Advanced Materials Research, Vol. 1119, pp	Vadivuchezhian Kaliveeran,

	for Strain Gauge Mounting	828 –832 (2015)	Subrahmanya Kundapura and Chockappan Neethipathi
72	Experimental Verification of Effect of Adhesive Layer Thickness used for Strain Gauge Mounting	<i>Advanced Materials Research</i> , Vol. 1119, pp 789 –793 (2015).	Subrahmanya Kundapura, Vadivuchezhian Kaliveeran and Chockappan Neethipathi

Department of Chemical Engineering

Sl. No.	Title Of Paper	Journal Name, Vol., Issue, Page Nos.	Author(S)*
1	Solar Light Mediated Photocatalytic Degradation Of Phenol Using Ag Core -TiO ₂ Shell (Ag@TiO ₂) Nanoparticles In Batch And Fluidized Bed Reactor,	Solar Energy, 127C: 67-78 Impact Factor: 3.541	Amruta Shet, Vidya Shetty (2016) ,
2	Photocatalytic Degradation Of Phenol Using Ag Core-TiO ₂ Shell (Ag@TiO ₂) Nanoparticles Under UV Light Irradiation.	Environmental Science And Pollution Ressearch Impact Factor: 2.828. (2015) DOI 10.1007/S11356-015-5579-Z	Amruta Shet, Vidya Shetty K
3	Isotherm, Kinetics, And Process Opti-Mization For Removal Of Remazol Brilliant Blue Dye From Contaminated Water Using Adsorption On Acid-Treated Red Mud	Desalination And Water Treatment Impact Factor:1.173 (2015) DOI:10.1080/1944399 4.2015.1055311	G.M. Ratnamala, Shetty K. Vidya&G. Srinikethan
4	Pathway Identification, Enzyme Activity And Kinetic Study For The Bio-Degradation Of Phenol By Nocardia Hydrocarbonoxydans NCIM 2386	DOI:10.1080/1944399 4.2015.1030700 <i>Impact Factor:1.173</i>	Gauthami R. Shetty&Vidya K. Shetty(2015)
5	Timber Industry Waste-Teak (Tectona Grandees Linn.) Leaf Extract Mediated Synthesis Of Anti-Bacterial Silver Nanoparticles	<u>International Nano Letters</u> , Aug 2015 DOI 10.1007/S40089-015-0157-4. Pages 1-10	<u>Aishwarya Devadiga, K. Vidya Shetty, M. B. Saidutta</u>
6	Interaction Of Heavy Metals In Multimetal Biosorption By Galerina Vittiformis From Soil	Bioremediation Journal, 19:56–68, 2015 Impact Factor 0.714	Dilna Damodaran, Vidya Shetty, and Raj Mohan B.
7	Partial Purification And Characterization Of Chromate Reductase of a Novel Ochrobactrum Sp. Strain Cr-B4	Preparative Biochemistry And Biotechnology <u>45</u> , Issue 8, 769-784	Anuradha Hora, Vidya K Shetty (2015),

		Impact Factor :0.911	
8	Solar Light-Driven Photo-catalytic Degradation Of Anthra-Quinone Dye-Contami-nated Water By Engineered Ag@Tio2 Core-Shell Nano-particles	Desalination And Water Treatment, Volume 54, Issue 3, Pages 744-757	<u>Ankita Khanna^a&Vidya Shetty K (2015)</u>
9	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,DOI:10.1080/19443994.2015.1030704	<u>Anuradha Hora^a&Vidya K. Shetty (2015)</u>
10	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, DOI:10.1080/10826068.2015.1045605 Impact Factor :0.911	B. R. Veena, Shetty K. Vidya & M. B. Saidutta (2015):
11	Exploring The Fungal Protein Cadre In The Biosynthesis Of PBSE Quantum Dots”	Journal Of Hazardous Materials - Doi:10.1016./J.Jhazm at .2015.12.056-Elsevier (IF: 5.27).	Jaya, M.J., Sumit, S. And Raj Mohan, B
12	Microbial Synthesis Of Chalcogenide Semiconductor Nanoparticle: A Review.”	Microb. Biotechnol., Doi:10.1111/1751-7915.12297.- Wiley (I.F: 3.2)	Jaya, M.J., Lens, P.N.L. And Raj Mohan, B.
13	Biosynthesis Of Lead Selenide Quantum Rods In Marine Aspergillus Terreus	Mater.Lett., 124, 279-281.- Elsevier (IF: 2.3)	Jaya, M. J., Raj Mohan, B. And Udaya, B.K
14	Microwave Assisted Extraction Of Antioxidants From A Medicinal Plant Nothapodytes Foetida For The Biosynthesis Of Ag Nanoparticles	.J. Exp.Nano.Sci.,- Taylor And Francis (IF: 0.98)- Doi.Org/10.1080/17458080.2016.1169445	Roopesh, G. Jason, J. Geedhika, K. Anadhan, S., Udaya, B.K., Jaya, M.J., Sogra, F., Raj Mohan, B.
15	Selenium Biosorption And Recovery By Marine Aspergillus Terreus In An Upflow Bioreactor.	J. Env. Eng., Doi: 10.1061/(ASCE)EE.1943-7870.0000999.- ASCE (I.F: 1.14)	Raja, C.P., Jaya, M.J., Raj Mohan, B.
16	Insights Into The Optical And Anti-Bacterial Properties Of Biogenic Pbse Quantum Rods	J. Saudi. Chem. Soc., Doi.Org/10.1016/J.Jscs.10.10008.- Elsevier (IF: 2.523)	Jaya, M .J., Raj Mohan, B. And Akshay, G.K.M.
17	Electrochemical Properties Of Pbse Quantum Dots	Rare Metal Materials And Engineering	Jaya Mary Jacob, Raj Mohan B

	Biosynthesized By Marine Aspergillus Terreus		
18	ZnS Semiconductor Quantum Dots Production By An Endophytic Fungus Aspergillus Flavus	Materials Science & Engineering B	Priyanka U, Raj Mohan B
19	Production Optimization Of A New Exopoly-Saccharide From Bacillus Methyl-Otrophicus and its Characterization	Journal Of Biotechnology And Biochemistry(2015)	Prasanna B D
20	Purification Of Glutaminase From Zygosaccharomyces Rouxii In Polyethylene Glycol-Sodium Sulphate Aqueous Two-Phase System	Separation Science And Technology (2015)	Prasanna BD
21	Studies On The Life Cycle Of Heterorhabditis Indica - An Entomopathogenic Nematode	Journal Of Current Engineering And Scientific Research	Prasanna B D
22	Refining Of Edible Oils: A Critical Appraisal Of Current And Potential Technologies	Journal Of Food Science And Technology	Prasanna BD
23	Production Of Concoction Wine Using Palm Sap And Raisin Through Batch Fermentation	Journal Of Microbiology Biotechnology And Food Sciences	Prasanna B D
24	A Critical Review On Properties And Applications Of Microbial-Asparaginases	Critical Reviews In Microbiology	Prasanna BD
25	Multi-strain Probiotic Production By Co-Culture Fermentation In A Lab-Scale Bioreactor	Engineering In Life Sciences	Prasanna B D
26	Partial Purification And Characterization Of L-Asparaginase From An Endophytic Talaromyces Pinophilus Isolated From The Rhizomes Of Curcuma Amada	Journal Of Molecular Catalysis B: Enzymatic	Prasanna BD
27	Isolation And Screening Of Endophytes From The Rhizomes Of Some Zingiberaceae Plants For Lasparaginase Production	Preparative Biochemistry And Biotechnology	Prasanna B.D
28	Recovery And Partial Purification Of Bovine A-Lactalbumin From Whey Using PEG 1000 - Trisodium Citrate Systems	Separation Science And Technology50(6), 833-840.	Kalaivani Sivakumar, Regupathi Iyyaswami,
29	Synergistic Extraction Of A-Lactalbumin And B-Lactoglobulin From Whey Using Aqueous Biphasic System: Process Evaluation And Optimization	<u>Separation And Purification Technology</u> , 146, 301-310.	Kalaivani, S. And Regupathi, I. (2015)
30	Aqueous Two Phase Partitioning	Journal Of Food	Vishwanatha H

	Of Fish Proteins: Partitioning Studies And ATPS Evaluation	Science And Technology	Nagaraja, Regupathi Iyyaswami
31	Synergistic Extraction Of A-Lactalbumin And B-Lactoglobulin From Acid Whey Using Aqueous Biphasic System: Process Evaluation And Optimization	Separation And Purification Technology	Sivakumar Kalaivani, Iyyarswami Regupathi
32	Two Step Biodiesel Production And Its Kinetics Studies Using Indion-190/Amberliteira-900 From Waste Cooking Oil	Energy Source Part A: Recovery, Utilization, And Environmental Effects	Satheesh K, P E Jagadeeshbabu*, M.B. Saidutta
33	Performance Enhancement Of Polysulfone Ultrafiltration Membrane Using Tio2 Nanofibers	Desalination And Water Treatment	Abhinav K. Nair*, P.M. Shalin* & P.E. Jagadeeshbabu
34	Enhancement Of A Novel Extracellular Oricase Production By Media Optimization And Partial Purification By Aqueous Three Phase System.	Preparative Biochemistry & Biotechnology	Senthoor K Ram, Keyur Raval, P.E. Jagadeeshbabu
35	Rouse Mode Analysis Of Chain Relaxation In Polymer Nano-Composites	Soft Matter	Jagannathan T K
36	Theoretical Analysis Of Mass Transfer In A Droplet Moving Down In Supercritical Carbon Dioxide Environment	Journal Of Chemical Engineering Applications	R. Kumar, H. Mahalingam And K.K. Tiwari
37	A Novel And Effective Strewn Polymer-Supported Titanium Dioxide Photo-Catalyst For Environ-Mental Remediation	Journal Of Materials And Environmental Science	S. Singh, P.K. Singh And H. Mahalingam
38	An Effective And Low-Cost Tio2/Poly-Styrene Floating Photo-catalyst For Environmental Remediation	Journal Of Environmental Research	S. Singh, P.K. Singh And H. Mahalingam
39	Electrolytic Degradation Of Uric Acid Using Nickel Electrodes In An Unpartitioned And Partitioned Batch Cell	International Journal Of Chemical Engineering And Processing, Vol 2, No 1 (2016)	B. Ashraf Ali, Raghuram Chetty, S. Pushpavanam

Department of Civil Engineering

Sl.No.	Title of paper	Journal Name, Vol., Issue, Pages Nos.	Authors(s)
1	Investigation on strength retention characteristics of hybrid fibre reinforced concretes at elevated temperatures	International Journal of Modern Trends in Engineering and Research, Vol. 2, Issue 7, [July-2015] Special Issue of ICRTET2015, pp. 627-631	Swapnil K. Shirsath and Subhash C Yaragal

2	Studies on usage potential of broken tiles as part replacement to coarse aggregates in concretes	International Journal of Research in Engineering and Technology, Vol.4, Issue 07, July 2015, pp. 110-114	Aruna M, Rajendra Prabhu, Subhash C Yaragal and Katta Venkataramana
3	Strength loss contributions during stages of heating, retention and cooling regimes for concretes	International Journal of Advances in Materials Research, Techno Press, Korea, Vol.4, No.1 (2015) 13-22	Subhash C. Yaragal, Jishnu Warriar and Ramesh Podila
4	Potential use of mine tailings and flyash in concrete	International Journal of Advances in Concrete Construction, Techno Press, Korea, Vol.3, No.1 (2015) 55-69	Sunil B. M, Manjunatha L. S, Lolitha Ravi and Subhash C Yaragal
5	Removal of hexavalent chromium Cr(VI) by adsorption in blended lateritic soil	<i>J. Advances in Environmental Research</i> Vol. 4, No. 3 (2015) 197-210, DOI: http://dx.doi.org/10.12989/aer.2015.4.3.197	Sunil B.M., and Saifiya Faziludeen
6	Potential Use of Mine Tailings and Fly Ash in Concrete	<i>J. Advances in Concrete Construction</i> , Vol. 3, No. 1 (2015) 55-69, DOI: http://dx.doi.org/10.12989/acc.2015.3.1.55	Sunil B.M., Manjunatha L.S., Lolitha Ravi, Subhash C Yaragal
7	Mineral Wealth of Cuddapah Basin and its Use for Sustainable Development	An Overview, Int Journ Earth Sciences and Engineering Vol 8-no-6 pp - 1-15	V Sunitha, D Venkat Reddy and P R Reddy
8	Prediction of the Indian Summer Monsoon Rainfall	Int Journ Earth Sciences and Engineering Vol 8-no-6. Editorial Note	Sarat C. Kar and D. Venkat reddy
9	Surfzone wave characteristics during flood tide on the central west coast of India	<i>Coastal Engineering Journal</i> . 57(4), 155002200-1/24. December	Seelam Jaya Kumar, M Jishad, E. M Yadhunath, C Rajasekaran, R Gowthaman, P. S Pednekar, Luis Ryan, Mehra Prakash
10	Effect of Artificial Seagrass on Wave Attenuation and Wave Run up	<i>International Journal of Ocean and Climate Systems</i> . (In press)	Beena Mary John, Kiran G. Shirlal Subba Rao and Rajasekaran C

11	A Study on Porous Concrete Mixes for Rigid Pavements,	Indian Highways, Indian roads Congress Vol. 43, No. 6, pp.28-32, June 2015	Ravi Shankar, A.U. and Nitendra, P
12	Evaluation of lateritic soil stabilized with Arecanut coir for low volume pavements	Transportation Geotechnics, 2, Elsevier, pp 20–29	Lekha, B.M., Goutham, S. and Ravi Shankar, A.U.
13	Laboratory Performance of Stone Matrix Mixtures with Two Aggregate Gradations	Journal of Modern Transportation, Springer, Vol. 23(2),pp. 130-136	Goutham, S., Lekha, B.M., Geethu, J.S. and Ravi Shankar, A.U
14	Studies on Eco-friendly Concrete Incorporating Industrial Waste as Aggregates	International Journal of Sustainable Built Environment, Elsevier, Vol4, pp.6326-332	Nitendra, P., Ravi Shankar, A.U. and Mithun, B.M
15	Investigations on alkali Activated Slag/Fly ash with Steel Slag Coarse Aggregate for Pavement Structures	International Journal of Pavement Engineering, Taylor and Francis, pp.1-13	Nitendra, P., Ravi Shankar, A.U. and Mithun, B.M.
16	Air-Cured Alkali Activated Binders for Concrete Pavements	International Journal of Pavement Research and Technology, Chinese Society of Pavement Engineering, Vol.8, No.4, pp.289-294	Nitendra, P., Ravi Shankar, A.U. and Mithun, B.M.
17	Experimental Investigation on Air-cured Alkali Activated GGBFS-Fly ash Concrete Mixes	International Journal of Advanced Structures and Geotechnical Engineering, Vol.3, Issue 4, pp.326-332	Nitendra, P., Ravi Shankar, A.U. and Mithun, B.M
18	Effect of Electrolyte Lignin and Fly Ash in stabilizing Black Cotton soil	Transportation Infrastructure Geotechnology, Elsevier, Vol. 2, No. 2, pp. 87–101	B M Lekha, Goutham Sarang, A U Ravi Shankar
19	Trajectory Data and Flow Characteristics of Mixed Traffic	<i>Transportation Research Record</i> , No. 2491, TRB, Washington D.C., USA, pp. 1-11.	Venkatesan Kanagaraj, Gowri Asaithambi, Tomer Toledo and Tzu-Chang Lee
20	Wind load analysis of tall chimneys with piled raft foundation considering the flexibility of soil	Intl. Journal of Advanced Structural Engineering (IJASE) 06/2015, 7(2), Springer publishers, DOI: 10.1007/s40091-015-0085-6	Jisha, S. V., Jayalekshmi, B. R. and Shivashankar, R.
21	Investigating linkages between electrical resistivity and physical	Journal of Civil Engineering and	Nimi Ann Vincent, Shivashankar, R.,

	characteristics of unsaturated soil	Environmental Technology (JCEET), Vol.2, No.13, July-September 2015, pp.46-50	Lokesh, K.N. and Gayathri, V.L
22	Some Studies on Engineering Properties, Problems, Stabilization and Ground Improvement of Lithomargic Clays	Paper No. 3095, Geotechnical Engg. Journal of SEAGS and AGSSEA, Vol.46, No.4, December 2015, ISSN 0046-5828, pp.68-80	Shivashankar, R., Ravi Shankar, A. U. and Jayamohan, J
23	Assessment of Soil Moisture Uptake under Different Salinity Levels for Paddy Crop	<i>J. Irrig. Drain Eng.</i> , 10.1061/(ASCE)IR.1943-4774.0001009, 04016011	Devatha, C., Shankar, V., and Ojha, C
24	Artificial Neural Network based Modeling to Evaluate Methane Yield from Biogas in a Laboratory-scale Anaerobic Bioreactor	<i>Bioresource Technology (Elsevier) In Press March 2016 (IF : 4.49)</i>	Vijay V. Nair, Hiya Dhar Sunil Kumar, Arun Kumar Thalla, Somnath Mukherjee and Jonathan W.C. Wong
25	Optimization of bus allocation to depots by minimizing dead kilometers	<i>Journal of Advanced Transportation</i> , Vol.49 (DOI: 10.1002/atr.1312), May 2015, pp. 901 - 912	Jagadish Mahadikar, Raviraj H.Mulangi and T.G. Sitharam
26	Seismic behavior of RC framed shear wall buildings as per IS 1893 and IBC provisions	<i>Geomechanics and Engineering</i> , 9(1), 39-55, ISSN: 2005-307X	Jayalekshmi B. R. and Chinmayi H. K.
27	Response in piled raft foundation of tall chimneys under along-wind load incorporating flexibility of soil	Frontiers of structural and civil engineering journal, Sept. 2015, vol. 9(issue 3), Springer, DOI:10.1007/s11709-015-0288-8, pp.307-322	Jayalekshmi, B. R., Jisha, S.V. and Shivashankar, R. (2015)
29	Evaluation of Right Turn Lane at Signalized Intersection in Non-Lane Based Heterogeneous Traffic using Microscopic Simulation Model	<i>Transportation Letters: The International Journal of Transportation Research</i> , Vol.7, No.2, pp.61-72	Gowri Asaithambi and Sivanandan, R.

30	Evaluation of Exclusive Stopping Space for Motorcycles at Signalized Intersections under Mixed Traffic Conditions using Simulation Model	<i>European Transport, No. 57</i>	Gowri Asaithambi, Yogesh Kumar, R. V. and Sivanandan, R.
----	--	-----------------------------------	--

Department of Computer Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	Analysis of Base Station Assisted Novel Network Design Space for Edge-based WSNs	International Journal of Computer Network and Information Security ISSN: 2074-9090 (Print), ISSN: 2074-9104 (Online) DOI:10.5815/ijcnis Published By: MECS Publisher IJCNIS Vol. 7, No. 7, June 2015	Muni Venkateswarlu K, A. Kandasamy and K.Chandrasekaran
2.	Energy Efficient Unequal Clustering Algorithm With Disjoint Multi-hop Routing Scheme for Wireless Sensor Networks	International Journal of Information Technology and Computer Science I.J. Modern Education and Computer Science , 2015, 5, 24-36 Published Online , May 2015 in MECS (http://www.mecs-	Muni Venkateswarlu K, A. Kandasamy and K. Chandrasekaran
3.	TFSR: Trust Factor Evaluation based Secure Routing Protocol for Wireless Sensor Network	International Journal of Trust Management in Computing and Communications (IJTMCC), Vol. 3, No. 1, 2015	Geetha.V and K. Chandrasekaran
4.	Cognitive Spam Recognition Using Hadoop and Multicast-Update	BigSys 2015, Special Issue , Open Journal for Big Data (OJBD2015) Volume 1, Issue 1, 2015 , ISSN 2365-029X	Mukund Y R, Sunil S Nayak, K Chandrasekaran
5.	An Efficient Approach for Cost Optimization of the Movement of Big Data	Journal of Computer Network and Information Security Volume 1, Issue 1, 2015, ISSN 2365 - 029X	Prasad Teli, Manoj V Thomas, K Chandrasekaran

6.	Single Sign-On in Cloud Federation using CloudSim	Journal of Computer Network and Information Security DOI:10.5815/ijcnis.2015.06.06	Anand Dhole, Manoj V Thomas, K Chandrasekaran
7.	" Efficient Topic Evolution Discovery in a Corpus using Semantic Similarity and Citation Graph"	(IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 6(6), 2015, 941-951, ISSN: 0975-9646	Vijay Subramanya, Saiprashanth Kote,, Santosh Kumar,P. Santhi Thilagam
8.	Applications Nature Aware Virtual Machine Provisioning in Cloud	Inderscience International Journal of Ad Hoc and Ubiquitous Computing, (Accepted in Jan 2015)	Achar, R. and Thilagam, P. S.
9.	Live Migration of Virtual Machines with their Local Persistent Storage in a Data intensive Cloud	Inderscience International Journal of High Performance Computing and Networking (Accepted in Dec 2015)	Modi Abhinit., Achar, R. and Thilagam, P. S.
10.	Mining Social Networks for Anomalies: Methods and Challenges	Elsevier Journal of Networking and Computer Applications (accepted in February 2016)	Bindu P V, P Santhi Thilagam
11.	Securing Web Applications from Injection and Logic Vulnerabilities: Approaches and Challenges	Elsevier Journal of Information and Software Technology (accepted in February 2016)	

Department of Chemistry

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1.	An immobilized Co (II) and Ni (II) Schiff base magnetic nanocatalyst via a click reaction: a greener approach for alcohol oxidation,	New J. Chem., 39, 4933-4938.	Pooja B. Bhat and Badekai Ramachandra Bhat
2	Plant root nodule like nickel-oxide-multi-walled carbon nanotube composites for non-enzymatic glucose sensors	RSC Adv., 5, 44792-44799	Raghavendra Prasad, Narjes Gorjizadeh, Ravindra Rajarao, Veena Sahajwalla and Badekai Ramachandra Bhat
3	Multi-wall carbon nanotube-NiO nanoparticle composite as	Sensors and Actuators	Raghavendra Prasad

	enzyme-free electrochemical glucose sensor	B: Chemical 220, 81-90	and Badekai Ramachandra Bhat
4	Electrochemical determination of dopamine using zinc-oxide rod modified carbon paste electrode	Advanced Science Letters, (Accepted)	Prasad, J. and Bhat, B.R.
5	Immobilised magnetic nanocatalyst for oxidation of alcohols	J.Mol.Catal.A, 49, 42-49.	Pooja B Bhat, Ravindra Rajarao, Veena Sahajwalla and Badekai Ramachandra Bhat
6	Scanning Electronic Microscopy for Analysis of the Effects of Surfactants on De-Wrinkling and Dispersion of Graphene	Intel J. Chemi, Mol., Nuclear, Materials and Metallurgical Engineering Vol:9, No:6, 728-732.	Kostandinos Katsamangas, B. Ramachandra Bhat, Fawad Inam
7	Self-assembly Q1 synthesis of Co ₃ O ₄ /multiwalled carbon nanotube composites: an efficient enzyme-free glucose sensor	New J. Chem., 39, 9735 – 9742.	Raghavendra Prasad and Badekai Ramachandra Bhat
8	Magnetically retrievable nickel hydroxide functionalised AFe ₂ O ₄ (A = Mn, Ni) spinel nanocatalyst for alcohol oxidation.	Appl Nanosci., 6:425–435.	Pooja B. Bhat and Badekai Ramachandra Bhat
9	Inhibition effect of adsorption layer of 1-phenyl-4-(4-nitrophenyl) thiosemicarbazide on the corrosion of 18 Ni 250-grade welded maraging steel in 1.0 M hydrochloric acid medium	<i>Research on Chemical Intermediates</i> 41 (2015) 7095-7113.	Pradeep Kumar and A. Nityananda Shetty
10	Synthesis, structural characterization and biological application of p-[N,N-bis(2-chloroethyl)aminobenzaldehyde thiosemicarbazone and its Nickel (II) complex.	<i>Synth. React. Inorg. Met. Org. and Nano-Metal Chem.</i> 45 (2015) 1318–1326.	Anitha Sankaraperumal, A. Nityananda Shetty and J. Karthikeyan
11	Studies on corrosion of Mg-Al-Zn alloy in 30% aqueous ethylene glycol.	<i>Materials Science Forum</i> Vols. 830-831 (2015) 679-682.	Medhashree H and A. Nityananda Shetty
12	Studies on corrosion behavior of 6061 Al-15 vol. pct. SiC(p) composite in HCl Medium by Electrochemical Techniques.	<i>Surface Engineering and Applied Electrochemistry</i> , 51 (2015) 374–381.	S. Kshama Shetty and A. Nityananda Shetty
13	A simple approach towards synthesis of nanofluids containing octahedral copper nanoparticles.	<i>Journal of Nanofluids</i> , 4 (2015) 428-434.	U. Sandhya Shenoy and A. Nityananda Shetty

14	Influence of sulfate ion concentration and pH on the corrosion of Mg-Al-Zn-Mn (GA9) magnesium alloy	<i>Journal of Magnesium and Alloys</i> , 3 (2015) 258 – 270.	Sudarshana Shetty, Jagannath Nayak and A. Nityananda Shetty
15	Indole-3-carbinol and 1,3,4-oxadiazole hybrids: Synthesis and study of antiproliferative and antimicrobial activity.	<i>Australian Journal of Chemistry</i> . 2015, 68, 1603-1613.	Nikhila Gokhale, Naveen Panathur, Udayakumar Dalimba, Manjunatha Kumsi.
16	New Indole-Isoxazolone derivatives: Synthesis, characterisation and <i>in vitro</i> SIRT1 inhibition studies.	<i>Bioorganic and Medicinal Chemistry Letters</i> . 2015, 25, 2768-2772.	Naveen Panathur, Nikhila Ghokale, Udayakumar Dalimba, Pulla Venkat Koushik, Perumal Yogeeswari, Dharmarajan Sriram.
17	One-pot synthesis of new triazole - imidazo[2,1- <i>b</i>][1,3,4]thiadiazole hybrids via Click chemistry and evaluation of their antitubercular activity.	<i>Bioorganic and Medicinal Chemistry Letters</i> . 2015, 25, 4169–4173.	Jurupula Ramprasad, Nagabhushana Nayak, Udayakumar Dalimba, Perumal Yogeeswari, Dharmarajan Sriram.
18	Facile synthesis of new indole-pyrimidine hybrids and evaluation of their anticancer and antimicrobial activity.	<i>Journal of Saudi Chemical Society</i> . Accepted (Sept 2015). doi:10.1016/j.jscs.2015.09.003	Nikhila Gokhale, Udayakumar Dalimba, Manjunatha Kumsi
19	Synthesis of novel 5-[(1,2,3-triazol-4-yl)methyl]-1-methyl-3 <i>H</i> -pyridazino[4,5- <i>b</i>]indol-4-one derivatives by click reaction and exploration of their anticancer activity.	<i>Medicinal Chemistry Research</i> . 2016, 25, 135-148.	Naveen Panathur, Nikhila Ghokale, Udayakumar Dalimba, Pulla Venkat Koushik, Perumal Yogeeswari, Dharmarajan Sriram.
20	Synthesis of new pyrazole-triazole hybrids by click reaction using a green solvent and evaluation of their antitubercular and antimicrobial activity.	<i>Research on Chemical Intermediates</i> . 2016, 42, 3721-3741.	Nagabhushana Nayak, Jurupula Ramprasad, Udayakumar Dalimba, Perumal Yogeeswari, Dharmarajan Sriram, H S Santosh Kumar, S K Peethambar, Rajeshwara Achur.

21	Design, synthesis and biological evaluation of new 8-trifluoromethylquinoline containing pyrazole-3-carboxamidederivatives.	Journal of Heterocyclic Chemistry. Accepted (10 October 2015)	Nagabhushana Nayak, Jurupula Ramprasad, Udayakumar Dalimba,
22	New INH-pyrazole analogs: Design, synthesis and evaluation of antitubercular and antibacterial activity.	Bioorganic and Medicinal Chemistry Letters. 2015, 25, 5540-5545.	Nagabhushana Nayak, Jurupula Ramprasad, Udayakumar Dalimba.
23	Design of new Phenothiazine-Thiadiazole hybrids via molecular hybridization approach for the development of potent antitubercular agents.	European Journal of Medicinal Chemistry. 2015, 106, 75-84.	Jurupula Ramprasad, Nagabhushana Nayak and Udayakumar Dalimba.
24	Ionic liquid promoted one-pot synthesis of thiazole-imidazo[2,1- <i>b</i>] [1,3,4] thiadiazole hybrids and their antitubercular activity.	MedChemCommun, 2016, 7, 338-344.	Jurupula Ramprasad, Nagabhushana Nayak, Udayakumar Dalimba, Perumal Yogeeswari and Dharmarajan Sriram.
25	Synthesis and antimycobacterial screening of new <i>N</i> -(4-(5-aryl-3-(5-methyl-1,3,4-oxadiazol-2-yl)-1 <i>H</i> -pyrazol-1-yl)phenyl)-4-amide derivatives.	Chinese Chemical Letters. 2016, 27 365-369.	Nagabhushana Nayak, Ramprasad Jurupula, Udayakumar Dalimba, Perumal Yogeeswari, Dharmarajan Sriram.
26	Synthesis, antitubercular and antibacterial studies of some new quinoline-pyrazole hybrid derivatives.	Journal of Fluorine chemistry, 2016, 183, 59-68.	Nagabhushana Nayak, Jurupula Ramprasad, Udayakumar Dalimba.
27	Lithium salts doped biodegradable gel polymer electrolytes for supercapacitor application.	J. Mater. Environ. Sci. 2015, 6(5), 1218-1227	Sudhakar Yethadka, Selva kumar, Krishna Bhat Denthaje
28	Novel Co-Ni-Graphene Composite Electrode for Hydrogen Production.	RSC Advances, 2015, 5, 47398 – 47407.	B. Subramanya, Y. Ullal, S. U. Shenoy, D. K. Bhat and A. C. Hegde
29	Preparation and characterization of phosphoric acid doped hydroxyethyl cellulose electrolyte for use in supercapacitor.	Materials for Renewable and Sustainable Energy, 2015, 4(3), 1-9.	Sudhakar Yethadka, Selva kumar, Krishna Bhat Denthaje

30	Novel Fe-Ni-Graphene Composite Electrodes for Hyd	Int. J. Hydrogen Energy, 2015, 40,	B. Subramanya, D. K. Bhat, S. Shenoy,
	Production	10453-462	Y Ullal, and A C Hegde
31	Effect of acid dopants in biodegradable gel polymer electrolyte and the performance in an electrochemical double layer capacitor.	Phys. Scr., 2015, 90, 095702-13	Y N Sudhakar, M Selvakumar and D Krishna Bhat
32	Ionic conductivity and dielectric studies of acid doped cellulose acetate propionate solid electrolyte for supercapacitor.	Polymer Engineering and Science, 2015, 56, 196-203	Y N Sudhakar, M Selvakumar and D Krishna Bhat
33	A review on RO membrane technology: Developments and challenges	Desalination. 368, 2015, pp 10-26	SS Shenvi, AM Isloor, A F Ismail
34	Preparation, characterization and the effect of PANI coated TiO ₂ nanocomposites on the performance of polysulfone ultrafiltration membranes	New J. Chem, 39 , 2015, PP 703-712	Valeen Rashmi Pereira, Arun M. Isloor, Amir Al Ahmed and A. F. Ismail
35	Preparation and characterization of novel PSf/PVP/PANI-nanofiber nanocomposite hollow fiber ultrafiltration membranes and their possible applications for hazardous dye rejection	Desalination, 365, 2015, PP 117-125	Avin J. Kajekar, B.M. Dodamani, Arun M. Isloor, Zuhairun Abdul Karim, Ng Be Cheer, A.F. Ismail, Simon J. Shilton
36	Synthesis and in vitro biological evaluation of new pyrazole chalcones and heterocyclic diamides as potential anticancer agents	Arabian Journal of Chemistry, 8, 3, 2015, pp 317-321	U. Sankappa Rai, A.M. Isloor, P. Shetty, K.S.R. Pai, H.K. Fun
37	Triazolo-thiadiazepine as a potent apoptotic DNA degradation agent and MetAP2 inhibitor against human breast adenocarcinoma cells	Chemistry and Biology Interface, 5, 1, 2015, PP 63-75	Sunil, Dhanya and Isloor, Arun M and Shetty, Prakash and Pai, KSR and Balaji, S
38	Humic Acid Based Biopolymeric Membrane for Effective Removal of Methylene Blue and Rhodamine B	Ind. Eng. Chem. Res., 54, 18, 2015, pp 4965-4975	Seema S. Shenvi, Arun M. Isloor, Ahmad F. Ismail, Simon J. Shilton, and Amir Al Ahmed
39	Novel hybrid photocatalytic reactor-UF nanocomposite membrane system for bilge water degradation and separation	RSC Adv., 5, 2015, PP 45331-45340	A. Moslehiani, A. F. Ismail,* M. H. D. Othmana and Arun M. Isloor
40	Probing the morphology and anti-organic fouling behaviour of a polyetherimide membrane	New J. Chem., 39, 2015, PP 6141-6150	Raghavendra S. Hebbar, Arun M. Isloor, A. F. Ismail,

	modified the hydrophilic organic acids as additives		Simon J. Shilton, Abdulrahman Obaid and Hoong-Kun Fund
41	Preparation and performance studies of polysulfone-sulfated nano-titania (S-TiO ₂) nanofiltration membranes for dye removal	RSC Adv., 5, 2015, PP 53874-53885	Valeen Rashmi Pereira, Arun M. Isloor, Udaya K. Bhatb A. F. Ismail, Abdulrahman Obaid and Hoong-Kun Fun
42	1,3,4-Trisubstituted pyrazole bearing a 4-(chromen-2-one) thiazole: synthesis, characterization and its biological studies	RSC Adv., 5, 2015, PP 43648-43659	N. Harikrishna, Arun M. Isloor, K. Ananda, Abdulrahman Obaid and Hoong-Kun Fun
43	Fabrication and characterization of new PSF/PPSU UF blend membrane for heavy metal rejection	DOI:10.1080/19443994.2015.1106985	Irfana Moideen K, Arun M. Isloor, A.F. Ismail, Abdulrahman Obaid & Hoong-Kun Fun
44	From Molecular Design to Co-sensitization; High performance novel photosensitizers for dye-sensitized solar cells	<i>Electrochimica Acta</i> , doi:10.1016/j.electacta.2016.03.061	Dickson D. Babu, Rui Su, Ahmed El-Shafei and Airody Vasudeva Adhikari (2016)
	New indole based co-sensitizers for dye sensitized solar cells exceeding 10% efficiency	RSC Advances, 2016, DOI: 10.1039/C6RA03866B. RSC Advances, 2016, 6 , 30205 – 30216	Dickson D. Babu, Rui Su, Ahmed El-Shafei and Airody Vasudeva Adhikari (2016).
45	Molecular Engineering and Theoretical Investigation of Novel Metal-Free Organic Chromophores for Dye-Sensitized Solar Cells	<i>Electrochimica Acta</i> , (2015), 176, 868-879	Dickson D Babu, Hammad Cheema, Dalia Elsherbiny, Ahmed El-Shafie, Airody Vasudeva Adhikari, (2015)
46	Photo tuning of thiophene-2,5-dicarbohydrazide derivatives for their photoalignment ability – Molecular modeling studies	RSC Advances, (Sept. 4, 2015), 5, 79800-006, DOI: 10.1039/c5ra12772f.	Gurumurthy Hegde, A. A. Murausky, A. A. Murausky, I. N. Kukhta, A. Vasudeva Adhikari, L. Komitov, (2015)
47	Green synthesis of silver and gold nanoparticles using root bark extract of <i>Mammea suriga</i> : characterization, process optimization and their	<i>BioNanoScience</i> , DOI: 10.1007/s12668-016-0199-8	Mahesh M. Poojary, Paolo Passamonti, Airody Vasudeva Adhikari, (2016)

	antibacterial activity		
48	Molecular Engineering and Theoretical Investigation of Metal-free Organic Chromophores for Dye-Sensitized Cells	<i>Advanced Science Letters</i> , accepted, in press, July 2015	Dickson D. Babu, Airody Vasudeva Adhikari, (2015)
49	Extraction, characterization and biological studies of phytochemicals from <i>Mammea suriga</i>	Journal of Pharmaceutical Analysis (J. Pharm. Anal.), 5, (2015), 182-189. (doi.org/10.1016/j.pha.2015.01.002)	Mahesh M. Poojary, Kanivebagilu A. Vishnumurthy, Airody Vasudeva Adhikari, (2015)
50	Evaluation of calcium fluoroaluminosilicate based glass ionomer luting cements processed both by conventional and microwave assisted methods	<i>Technologies</i> , 2015, 3, 1 (MDPI): Microwave Energy Applications, doi: 10.3390/Technologies : 301000x, <i>Technologies</i> 3(2), 58-73, (2015); doi:10.3390/technologies3020058	Nagaraja Upadhya P., Srinivasan K. K., A. Vasudeva Adhikari , Satapathy L.N., (2015)

Department of Electronics and Communication Engineering

Sl. No.	Title of Paper	Journal Name, Vol, Issue, Pages Nos, Date	Author
1.	An interactive segmentation tool for quantifying fat in lumbar muscles using axial lumbar-spine MRI	IRBM, 2015, ISSN No. 1959-0318, http://dx.doi.org/10.1016/j.irbm.2015.10.004	Joseph Antony K. McGuinness N.Welc J.Coyle A.Franklyn-Miller N.E. O'Connor K.Moran
2.	The effects of a free-weight-based resistance training intervention on pain, squat biomechanics and MRI-defined fat infiltration and functional cross-sectional area in those with chronic low back	BMJ Open Sport & Exercise Medicine, Vol.1, Issue 1, Page No. 1-11, 2015, ISSN No. 2055-7647 doi:10.1136/bmjsem-2015-000050	Neil Welch Kieran Moran Joseph Antony Chris Richter Brendan Marchall Joe Coyle Eanna Falvey A Franklyn Miller
3.	An Efficient Method for Contrast Enhancement of Real World Hyper Spectral Images	The International Arab Journal of Information Technology Indexed by SCI, Thomson ISI, Scopus (Elsevier), JCR (2014) Impact Factor: 0.582, vol. 12, No.6A, Page	Shyam Lal Rahul Kumar

		no. 672-679, 2015, ISSN No. 1683- 3198(Print)	
4.	Analysis and Comparison of Symmetry based Lossless and Perceptually lossless algorithms for Volumetric compression of medical images	Journal of Medical Informatics & Technologies, Vol No. 24, Page no. 147 – 154, ISSN No. 1642-6037	Chandrika B.K. Aparna P. Sumam David
5.	Low-RCS and Polarization-Reconfigurable Antenna Using Cross-Slot-Based Metasurface	IEEE Antennas Wireless. Propag. Lett., vol.14, Page no. 1638-1641, 2015	K. Kandasamy B. Majumder J. Mukherjee K. P. Ray
6.	Low Profile Pattern Diversity Antenna using Quarter-mode Substrate Integrated Waveguide	Progress In Electromagnetics Research Letters, Vol. 55, page no. 105-111, 2015	K. Krishnamoorthy B. Majumder J. Mukherjee K. P. Ray
7.	Wideband Compact Directive Metasurface Enabled Pair of Slot Antennas	Electronics Letters, vol. 51 Issue no. 17, Page no. 1310-1312, 2015	B. Majumder K. Krishnamoorthy J. Mukherjee K. P. Ray
8.	Automatic Method for Contrast Enhancement of Natural Color Images	Journal of Electrical Engineering and Technology, vol. 10 No.3, Page no. 1233-1243, 2015, ISSN No. 1975-0102 (Print)	Shyam Lal A. V. Narasimhadhan Rahul Kumar
9.	Investigations on Piezoactuator-Based Active Vibration Isolation for Tool-Based Micromachining Applications	Journal of Mechatronics and Automation, vol.2 (1), Page no. 25-33, 2015	Divijesh P Vincent L. D'Souza Muralidhara Rathnamala Rao
10.	Investigation on Open Loop Position Control of Amplified Piezoactuator	Journal of Mechatronics and Automation, 2(1), Page no. 16-24, 2015	Veerasha RK Tauro AM Muralidhara Rathnamala Rao
11.	Investigations on displacement characteristics of piezoactuator based prototype actuator with hydraulic displacement amplification system	Journal of Mechanical Science and Technology (In Press), 2015	Muralidhara Rathnamala Rao

Department of Electrical and Electronics Engineering

Sl. No.	Title of Paper	Journal Name. Vol. Issue, Page No.s	Author(s)
1	Investigation on stacked cascade multilevel inverter by employing single-phase transformers	Engineering Science and Technology, an International Journal (Elsevier), (2015), doi: 10.1016/j.jestch.2015.	Dr. Yellasiri Suresh Prof. A.K. Panda

		11.008	
2	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 & Energy Systems, Vol.59, Page.No.421-429,2015-16	R Saravanakumar, Debashisha Jena
3	An Accurate Modeling of Photovoltaic System for Uniform and Non-Uniform Irradiance	International Journal of Renewable Energy Research (IJRER), Vol. 5, Issue 1, Page No.29-40,2015-16	Debashisha Jena, Vanjari Venkata Ramana
4	Interconnection of Wind-Solar hybrid Renewable Energy source to the 3 phase-3 wire distribution system along with power quality improvements at the grid side	International Journal of Electrical Engineering, (JEE), Romania, Vol.15, No.3, Article no.15.3.33, pp. 260-270, 2015.	Gururaj M V and Dr Vinatha U
5	An adaptive reactive power perturbation based hybrid islanding detection method for distributed generation systems	International Journal of Power and Energy Systems No. 1 Vol.36 , pp Year 2016	Geethi Krishnan, Dattatraya N Gaonkar
6	Performance Analysis of a Variable-speed Wind and Fuel Cell-based Hybrid Distributed Generation System in Grid-connected Mode of Operation	Electric Power Components And Systems, Volume 44, Issue 2, pp 142- 151, 2015	Santhosha Kumar Ayyappa, Dattatraya Narayan Gaonkar
7	Online voltage estimation and control for smart distribution networks	Journal of Modern Power Systems and Clean Energy, Volume 4, Issue 1, pp 40-46 ,January 2016	Raghavendra P, D. N. Gaonkar
8	An integrated Control Approach and Power Management of Stand-alone Hybrid Wind/PV/Battery Power Generation System with Maximum Power Extraction Capability	journal of Distributed Generation & Alternative Energy Journal 30 (4), 15-36 2015	Jayalakshmi NS, D.N Gaonkar

School of Management

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Effects of energy price rise on investment: Firm level evidence from Indian manufacturing sector	Energy Economics, 49 (2015) 516-522	Rajesh H. Acharya Anver C. Sadath
2	Involuntary Displacement across Geographical Borders in Select South Asian Immigrant Narratives	International Journal of Humanities and Social Science Studies. Volume-II, Issue-	Dash, Bibhudatta and Dhishna. P.

		<p>IVISSN: 2349-6959 (Online), ISSN: 2349-6711 (Print). Karimganj, Assam: Scholar Publications, January 2016. 63-67 http://www.ijhsss.com.</p>	
3	The impact of customer based brand equity on the operational performance of FMCG companies in India	IIMB Management Review, Vol. 28 (1), pp.13-19, Elsevier	Bijuna. C Mohan and A.H. Sequeira

Department of Information Technology

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)
1	Ember: A Smartphone Web Browser Interface for Blind	Int. Journal of Software and Informatics, Vol. 9, Issue 1, pp. 23-36, June 2015	Ruchika S, Susmitha Pulakhandam, Isha Singh Jassi, G Ram Mohan Reddy
2	Simplified & Improved Analytical Hierarchy Process Aid for Selecting Candidate Network in an Overlay Heterogeneous Nws	Springer Int. Journal of Wireless Personal Commns, August 2015	B. R. Chandavarkar G Ram Mohana Reddy
3	Simplified and Improved Multiple Attribute Alternate Ranking Method for Vertical Handover Decision in Heterogeneous Wireless Networks	Elsevier Computer Communications, Dec. 2015	B. R. Chandavarkar G Ram Mohana Reddy
4	A Bio-inspired, Incremental Clustering Algorithm for Semantics-based Web Service Discovery	International Journal on Reasoning-based Intelligent Systems (IJRIS), Inderscience Publishers, Volume 7, Issue 3/4, pg 261 - 272, 2015, ISSN 1755-0564 [SCOPUS Indexed] (DOI: 10.1504/IJRIS.2015.072953)	Sowmya Kamath Ananthanarayana V.S.
5	Semantic Similarity Based Context-Aware Web Service Discovery Using NLP Techniques	Journal of Web Engineering (JWE), Rinton Press, Princeton New Jersey, Volume 15, Issue 1&2, pg 110 -129, 2016,	Sowmya Kamath Ananthanarayana V.S.

		ISSN 1540-9589 [SCI Indexed]	
6	Feature Pattern Based Representation of Multimedia Documents for Efficient Knowledge Discovery	International Journal on MULTIMEDIA TOOLS AND APPLICATIONS, 2016	Pushpalatha K, Ananthanarayana V.S
7	TFSR: Trust Factors Evaluation Based Secure Routing Protocol for Wireless Sensor Networks,	International Journal of Trust Management in Computing and Communication, (IJTMCC), Inderscience. Volume 3, Issue 1, 2015	Geetha.V K. Chandrasekaran
8	Natural Language Processing based e-News Recommender System using Information Extraction and Domain Clustering	International Journal of Image Mining, Volume 1, Issue 1, 2015, Inderscience Publishers, ISSN 2055-6047 (published) (SCOPUS & EI Indexed) (DOI: 10.1504/IJIM.2015.070031)	Sowmya Kamath S Monisha Kanakaraj
9	Automatic Generation of Web Service Composition Templates Using WSDL Descriptions.	Information Systems Design and Intelligent Applications, Springer Advances in Intelligent Systems and Computing Series, 2015., Volume 340, pp 317-325. (ISSN: 2194-5357)	Kamath, S. Sowmya, Suresh Also, Prajwal Prasad and Abhay Chennagiri
10	Location prediction algorithm for a nonlinear vehicular movement in VANET using extended Kalman filter	Wireless Networks The Journal of Mobile Communication, Computation and Information Vol. 22(2016), No.4	Raj K. Jaiswal & C. D. Jaidhar

Department of Mathematical and Computational Sciences

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1	Inh-colorability of Myscielskians of Paths and Cycles	Journal of Graph Labeling, 2(2) 2016, 205-216.	Balakrishna Gudla and Srinivasa Rao Kola
2	Strong minimum energy 2-hop rooted topology for hierarchical wireless sensor networks	Journal of Combinatorial Optimization, Vol. 30, No. 4, 1077-1094.	Panda, BS; Shetty, D Pushparaj;
3	Strong minimum energy	Journal of	Panda, BS; Shetty,

	hierarchical topology in wireless sensor networks	Combinatorial Optimization, pp 1-14.	D Pushparaj;
4	Finite dimensional realization of a Tikhonov gradient type-method under weak conditions,	Rend. Circ. Mat. Palermo; DOI 10.1007/s12215-016-0241-2	V. S. Shubha, S. George and P. Jidesh
5	Ball convergence of a novel Newton-Traub composition for solving equations	Cogent math, http://dx.doi.org/10.1080/23311835.2015.1155333	I.K.Argyros and S. George
6	On the Gauss-Newton method for convex optimization using restricted convergence domains	J. Nonlinear Funct. Anal. 2016 (2016), Article ID 5.	I.K.Argyros and S. George
7	Ball convergence for a novel-fourth order method for solving systems of equations	AJOMCOR, vol.11,2 (2016), 147–154.	I.K.Argyros and S. George
8	Extending the applicability of the Gauss Newton method for convex composite optimization using restricted convergence domains and average Lipschitz conditions,	SeMA DOI 10.1007/s40324-016-0066-0.	I.K.Argyros and S. George
9	On the convergence of inexact Gauss-Newton method for solving singular equations,	J. Nonlinear Funct. Anal. 2016 (2016), Article ID 1, 1–22	I.K.Argyros and S. George
10	On the Semilocal Convergence of a two step Newton method under the γ -condition	(JNAO).	I.K.Argyros and S. George
11	Local convergence of inexact Gauss-Newton- like method for least square problems under weak Lipschitz condition,	Communications on Applied Nonlinear Analysis, Volume 23(2016), Number 1, 56 - 70.	I.K.Argyros and S. George
12	Discretized Newton-Tikhonov Method for ill-posed Hammerstein Type Equations	Communications on Applied Nonlinear Analysis, Volume 23(2016), Number 1, 34–55	Ioannis K. Argyros, Santhosh George and Monnanda Erappa Shobha
13	Local convergence for a family of Chebyshev- Halley-Like methods under relaxed conditions in Banach space,	Transactions on Mathematical Programming and Applications, Volume 4(2016), Number 1, 1 – 12	I.K.Argyros and S. George
14	On a result by Dennis and Schnabel for Newton’s method: Further improvements,	Applied Mathematics Letters 55 (2016) 4953	I.K.Argyros and S. George

15	Ball Convergence for Second Derivative Free Methods in Banach space,	I.J. Appl. Comput. Maths DOI 10.1007/s40819-015-0125-8.	I.K.Argyros, P. Jidesh and S. George
16	Local Convergence of Super-Halley Type Methods with Fourth-order of Convergence Under Weak Conditions,	EPAM, Vol.2, 1(2015), 1-11.	I.K.Argyros, P. Jidesh and S. George
17	Improved local convergence for Euler-Halley- like methods with a parameter	ISSN 0009-725X Rend. Circ. Mat. Palermo, DOI 10.1007/s12215-015-0220-z	I.K.Argyros and S. George
18	Ball convergence of a sixth order iterative method with one parameter for solving equations under weak conditions,	SSN 0008-0624, Calcolo, DOI 10.1007/s10092-015-0163-y	I.K.Argyros and S. George
19	Local Convergence Of Sixth-Order Newton-Like Methods Based On Stolarsky And Gini Means,	AJOM- COR , Vol.8, 4(2016), 306-316.	I.K.Argyros, S. George and M.E.Shobha,
20	Improvements of the local convergence of Newton's method with fourth-order convergence,	Asian Journal of Mathematics and Computer Research, Vol 7, 1(2016), 9-17.	I.K.Argyros and S. George
21	Finite dimensional realization of a quadratic convergence yielding iterative regularization method for ill-posed equations with monotone operators,	Applied Mathematics and Computation, 273 (2016) 10411050	Vorkady.S.Shubha, Santhosh George, P. Jidesh and M. E. Shobha
22	Ball convergence comparison between two sixth order Newton-Jarratt composition methods,	Ann.Univ.Sci.Budapest : Sect.Comput., 44 (2015) ,119-132	I.K.Argyros and S. George
23	Ball convergence of some fourth and sixth order iterative methods	Asian-European J. Math. 09(2), (2016) [13 pages] DOI: 10.1142/S1793557116500340.	I.K.Argyros and S. George
24	Local convergence of Deformed Jarratt-type Methods in Bnach space without inverses	AEJM, Vol.9(1), [12pages], 2016, DOI: 10.1142/S1793557116500157.	I.K.Argyros and S. George
25	Ball Comparison For Variants Of Chebyshev's Method With Third Or Fourth Order Of Convergence,	Bangmod Int.J. Math.& Comp.Sci.Vol. 1, No. 2, 2015, 233-243.	I.K.Argyros and S. George
26	Ball convergence for higher order methods under weak conditions,	J. Math. Study doi: 10.4208/jms.v48n4.15.04, Vol. 48, No. 4, pp. 362-374.	I.K.Argyros and S. George

27	Ball convergence for a ninth order Newton- type method from quadrature and adomian formulae in Banach space	NFAA,20, 4(2015), 595-608.	I.K.Argyros and S. George
28	Local convergence of modified Halley- like methods with less computation of inversion	Novi Sad J. Math. Vol. 45, No. 2, 2015, 47-58.	I.K.Argyros and S. George
29	Improved local convergence analysis of inexact Newton-like method under the majorant condition,	Applicationes Mathematicae, 10.4064/am2240-11-2015.	I.K.Argyros and S. George
30	Local Convergence for a Family of Iterative Methods based on Decomposition Techniques	Applicationes Mathematicae, DOI: 10.4064/am2261-12-2015	I.K.Argyros, S. George and M.E. Shobha
31	Ball convergence for an inverse free Jarratt- type method under Holder conditions	Int. J. Appl. Comput. Math., DOI 10.1007/s40819-015-0095-x.	I.K.Argyros and S. George
32	Local convergence of a uniparametric Halley- type method in Banach space free of second derivative	ANVI, 18, 2 (2015), 48-57	I.K.Argyros and S. George
33	Local convergence for a multi-point family of super-Halley methods in Banach space under weak conditions	Applicationes Mathematicae, Appl. Math. (Warsaw) 42 (2015), 193-203.	I.K.Argyros and S. George
34	Ball convergence theorem for Hansen-Patrick- type methods with third and fourth order of convergence under weak conditions	EPAM, Vol. 1, 1(2015) , 1-16.	I.K.Argyros and S. George
35	On the local convergence of a Sharma-type optimal eighth-order method,	EPAM, Vol.1, 1(2015), 63-78.	I.K.Argyros and S. George
36	Ball Convergence for some efficient iterative methods	EPAM, Vol. 1, 1(2015) , 47-62.	I.K.Argyros and S. George
37	Iterative Regularization Methods For Nonlinear Ill-Posed Operator Equations With M-Accretive Mappings in Banach Spaces	Acta Math. Scind., Vol.35, B(6), 2015, 1318-1324.	I.K.Argyros and S. George
38	Ball convergence theorems for for King's fourth-order iterative methods under weak conditions	Nonlinear Functional Analysis and Applications, Vol. 20, No. 3 (2015), pp. 419-428.	I.K.Argyros and S. George
39	A unified local convergence for Chebyshev- Halley-type methods in Banach space under weak conditions	Stud. Univ. Babeş-Bolyai Math. 60(2015), No. 3, 463-470	I.K.Argyros and S. George
40	On a sixth order Jarratt-type	Asian-European J.	I.K.Argyros and S. George

	method in Banach spaces	Math. 08, 1550065 (2015) [12 pages] DOI: 10.1142/S1793557115500655 .	George
41	Expanding the convergence Domain of Newton-like methods and applications in Banach space	Journal of Mathematics, Vol.47(1)(2015), 1-13	I.K.Argyros and S. George
42	Ball convergence theorems for Maheshwari-type eighth-order methods under weak conditions	Sao Paulo Journal of Mathematical Sciences, 10.1007/s40863-015-0009-1.	I.K.Argyros and S. George
43	Ball convergence for Steffensen-type fourth- order methods,	International Journal of Artificial Intelligence and Interactive Multimedia, Vol. 3, No4, (2015), 37-42.	I.K.Argyros and S. George
44	Local convergence for some high convergence order Newton-like methods with frozen derivatives	SeMA Journal Boletin de la Sociedad Espaola de Matematica Aplicada, 70, 47-59, DOI 10.1007/s40324-015-0039-8.	I.K.Argyros and S. George
45	Local convergence for an efficient eighth order iterative method with a parameter for solving equations under weak conditions	International Journal of Applied and Computational Mathematics, DOI 10.1007/s40819-015-0078-y.	I.K.Argyros and S. George
46	Local convergence for a regula falsi-type method under weak convergence	J Appl Computat Math. 2015, 4:3, http://dx.doi.org/10.4172/2168-9679.1000217	I.K.Argyros and S. George
47	Ball convergence comparison between three iterative methods in Banach space under hypohese only on the first derivative	Applied Mathematics and Computation, Volume 266, 1 September 2015, Pages 1031-1037	I.K.Argyros and S. George
48	Ball convergence for variants of Jarratt's method	Bangmod Int.J. Math.& Comp.Sci., Vol. 1, No. 1, 2015: Pages 33- 39	I.K.Argyros and S. George
49	Ball comparison between two optimal eight- order methods under weak conditions	SeMA (2015) 72:1-11 ,DOI 10.1007/s40324-015-0035-z	I.K.Argyros and S. George
50	Ball convergence theorems for unified three step Newton-like methods of high convergence order	Nonlinear studies,V.22, 2, (2015), 327-339.	I.K.Argyros and S. George

51	A Ball Comparison Between Three Cubically Convergent Iterative Methods	Transactions on Mathematical Programming and Applications, Volume 3(2015), Number 1, 24- 34.	I.K.Argyros and S. George
52	Ball Convergence for an Efficient Ninth Order Method Free from Second Derivative for Solving Equations	Transactions on Mathematical Programming and Applications, Volume 3(2015), Number 1, 13- 23	I.K.Argyros and S. George
53	Local Convergence of Optimal Fourth Order Methods without Memory Under Hypotheses Only up to the First Derivatives	Transactions on Mathematical Programming and Applications, Volume 3(2015), Number 1, 1-12.	I.K.Argyros and S. George
54	The convergence ball of inexact Newton like method in Banach space under weak Lipschitz condition	Journal of the Chungcheong Mathematical Society, Volume 28, No. 1, 2015 1-12.	I.K.Argyros and S. George
55	Ball convergence theorems for eighth- order variants of Newton's method under weak conditions	Arab. J. Math. (2015) 4:8190, DOI 10.1007/s40065-015-0128-7.	I.K.Argyros and S. George
56	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 and S. George
57	A Ball Comparison Between Three Cubically Convergent Iterative Methods	Transactions on Mathematical Programming and Applications, Volume 3(2015), Number 1, 24- 34.	I.K.Argyros and S. George
58	Ball Convergence for an Efficient Ninth Order Method Free from Second Derivative for Solving Equations	Transactions on Mathematical Programming and Applications, Volume 3(2015), Number 1, 13- 23.	I.K.Argyros and S. George
59	Local Convergence of Optimal Fourth Order Methods without Memory Under Hypotheses Only up to the First Derivatives	Transactions on Mathematical Programming and Applications, Volume 3(2015), Number 1, 1-12.	I.K.Argyros and S. George
60	The convergence ball of inexact Newton- like method in Banach	Journal of the Chungcheong	I.K.Argyros and S. George

	space under weak Lipschitz condition	Mathematical Society, Volume 28, No. 1, 2015 1-12.	
61	Construction of Graceful Directed Graphs	Journal of Combinatorics & System Sciences . 2015, Vol. 40 Issue 1/4, p253-264. 12p.	Hegde,S.M., Kumudakshi
62	Construction of Graceful Digraphs using algebraic structures	Journal of Discrete Mathematical Sciences and Cryptography, Vol 19(1), 2016, 103-116	Hegde,S.M., Kumudakshi
63	On weakly indexable graphs	Journal of Combinatorics & System Sciences . 2015, Vol. 40 Issue 1/4, p173-209. 37p.	Hegde S M, Shankaran P
64	Entrance region flow in concentric annuli with rotating inner wall for Herschel-Bulkley fluid	International Journal of Applied and Computational Mathematics, 1 (2015) 235-249. (Springer	A.Kandasamy, Srinivasa Rao Nadiminti
65	An Energy-Efficient Hybrid Clustering Mechanism for Wireless Sensor Network	Unmanned Systems, Vol 3, No 2 (2015), pages 109-125	K. Muni Venkateswarlu, A. Kandasamy, K. Chandrasekaran
66	MVUE of failure rate for exponential class software reliability models,	International Journal of Advanced Research in Computer Science and Software Engineering, vol. 5, 2015	B. Roopashri Tantri, Murulidhar N. N.

Department of Mechanical Engineering

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1	Evaluation of WEDM performance characteristics of Inconel 706 for turbine disk application	Materials & Design, Volume 88, Pages 558-566.	Priyaranjan Sharma, D Chakradhar, S Narendranath
2	Multi objective optimization of thermally enhanced machining parameters of Inconel 718 using grey relation analysis	International journal of Machining and Machinability of Materials (Accepted)	VenkateshGanta, K. Srinivasasagar, D Chakradhar
3	Optimization of hot turning parameters by using Taguchi based grey relation analysis	International Journal of Engineering Research, Volume 5, 2016, Pages 355-358.	VenkateshGanta, P Sivaiah, D. Chakradhar

4	Evaluation of Combustion, Performance and Emissions of a Diesel Engine fueled with Bio-fuel produced from Cashew Nut Shell Liquid	Biofuels (Taylor and Francis online Journal), 6/23/2015, DOI 10.1080/17597269.2015.1050645	Dinesha P., Mohanan P.
5	The effect of cordierite/Pt catalyst on the Nox reduction in a diesel and Jatropha bio-diesel operated single cylinder engine	Journal of Environmental Chemical Engineering, 3, 1125-1136, 2015	A. P. Manoj Kumar, J.S. Sreekumar, P. Mohanan
6	Miniature of automobile radiator by using zinc-water and zinc oxide-water nanofluids	Journal of Mechanical Science and Technology, 29(5), 2177-2185, 2015	Sonage B. K., Mohanan P.
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, 006-014, 2015	Mohanan P., Dinesha P.
8	Fault diagnosis studies of face milling cutter using machine learning approach	Journal of Low Frequency Noise, Vibration and Active Control. (Accepted for publication)	Madhusudana C. K., Budati S., Gangadhar N., Hemantha Kumar and Narendranath S
9	Use of Discrete Wavelet Features and Support Vector Machine for Fault Diagnosis of Face Milling Tool	SDHM: Structural Durability and Health Monitoring. (Accepted for publication)	Madhusudana C. K., Gangadhar N., Hemantha Kumar and Narendranath S
10	Numerical analysis of turbulent transition in blood flow through stenosed coronary arteries	Cardiovascular Diagnosis and Therapy, April 2016.	Arun M et al.
11	Influence of process parameters on Material Removal Rate in wire electric discharge turning process of INCONEL 718	International Journals of Advance Research in Science and Engineering, 2319-8354, Vol No 5, (01)-2016	GAJANAN M NAIK, NARENDRANATH S
12	Effects of 4.5% Copper addition and Melt Treatment on Microstructure and Wear Properties of Al-7Si Alloy	Applied Mechanics and Materials Vols 766-767 (2015) pp 410-415 Trans Tech Publications Ltd, Switzerland	Shivaprasad C.G, KiranAithal, Narendranath S, Vijay Desai, P.G. Mukunda
13	Condition Monitoring of Single Point Cutting Tool through Vibration Signals using Decision Tree Algorithm	Journal of Vibration Analysis, Measurement and Control, 3(1), 34-43	Gangadhar N., Kumar, H., and Narendranath, S

14	Effect of Electrode Material in Wire Electro Discharge Machining Characteristics of Ti50Ni50-xCux Shape Memory Alloy	Precision Engineering.41(2015)6 8-77	M. Manjaiah, S. Narendranath, S. Basavarajappa, V. N. Gaitonde
15	Investigation on material removal rate, surface and sub-surface characteristics in wire electro discharge machining of Ti50Ni50-xCux shape memory alloy	Journal of Materials: Design and Applications(2015) 1-14 DOI: 10.1177/1464420715619949	M. Manjaiah, S. Narendranath, S. Basavarajappa, V. N. Gaitonde
16	Influence of Process Parameters on Material Removal Rate and Surface Roughness in WED-Machining of Ti50Ni40Cu10 Shape Memory Alloy	International Journal of machining and machinability of materials (Article in press) 2015	M. Manjaiah, S. Narendranath, S. Basavarajappa, V. N. Gaitonde
17	Effect of Secondary Mg17Al12 Phase on AZ80 Alloy processed by Equal Channel Angular Pressing (ECAP)	Silicon, (Springer), DOI: 10.1007/s12633-015-9349-9	Muralidhar Avvari, Narendranath, S, Shivananda Nayaka H,
18	A review on wrought magnesium alloys processed by equal channel angular pressing	International Journal of Materials and Product Technology (IJMPT). Vol.51, No.2, 139-164.	Muralidhar Avvari, Narendranath, S, Shivananda Nayaka H,
19	Fault Diagnosis of Single Point Cutting Tool through Discrete Wavelet Features of Vibration Signals using Decision Tree Technique and Multilayer Perceptron.	Journal of Vibration Engineering and Technologies. (Accepted to publish- JVET Vol 5 No. 2, 2017)	N. Gangadhar, Kiran Vernekar, Hemantha Kumar and S. Narendranath
20	Vertical dynamic analysis of a quarter car suspension system with MR damper	Journal of the Brazilian Society of Mechanical Sciences and Engineering, 1-11	K Hemanth, H Kumar, KV Gangadharan
21	Effect of Tilt Angle on Subcritical/Supercritical Carbon Dioxide Based Natural Circulation Loop With Isothermal Source and Sink	ASME Journal of Thermal Science and Engineering Applications, 8 (2016) 011007-(1-8) .doi: 10.1115/1.4030702.	Ajay Kumar Yadav, M. Ram Gopal and Souvik Bhattacharyya,
22	A Review on the Development of Lattice Boltzmann Computation of Macro Fluid Flows and Heat Transfer	Alexandria Engineering Journal	D.A. Perumal and A.K. Dass,
23	<u>Heat transfer distribution of impinging flame and air jets-A comparative study</u>	Applied Thermal Engineering 92, (2016) 42-49	AR Kadam, AR Tajik, V Hinasageri

24	<u>Heat transfer distribution of swirling flame jet impinging on a flat plate using twisted tapes</u>	International Journal of Heat and Mass Transfer 91, 1128-1139	V Hindasageri, RP Vedula, SV Prabhu
25	Numerical Analyses of Single-Phase Pressure Drop and Forced Convective Heat Transfer Coefficient of Water-Ethanol Mixture: An Application in Cooling of HEV Battery Module	Heat Transfer Asian Research (Available online)	Suhas. B.G, and Sathyabhama, A
26	Effect of boiling surface vibration on heat transfer	Heat Mass Transfer, Springer-link publication, available online from March 6, 2016	Sathyabhama, A
27	Nucleate pool boiling heat transfer from a flat-plate grooved surface	Journal of Enhanced heat transfer, Begell house publication 22(3), 2015, pp: 247-265	Sathyabhama, A
28	Enhancement of boiling heat transfer using surface vibration	Heat transfer asian research, Wiley Publication, Available online from Sept. 2015	Sathyabhama A, Prashanth S P
29	Simulation of Electromagnetic Launcher Structure Using Finite Element Method	<i>International Journal of Applied Engineering Research, Vols. 10 (9), pp.23435-23443, 2015</i>	N. Bhavsar, S. Budhiya, R. Maniyeri, N. Khedkar
30	Thermal Analysis of Electromagnetic Launcher Using Numerical Simulation	International Journal of Applied Engineering Research, Vols. 10 (9), pp.23425-23433, 2015	U. Thakur, S. Budhiya, R. Maniyeri, N. Khedkar
31	Microstructure And Corrosion Behavior Of Laser Processed NiTi Alloy	Materials Science and Engineering C, , Vol. 57, No. 1, pp. 309-313.	Marattukalam, J.J., Singh, A.K., Datta S., Balla, V.K., Das., M., Bontha S., and Kalpathy, S.K
32	A Closed-Form Solution for the Effect of Free Edges on Melt Pool Geometry and Solidification Microstructure in Additive Manufacturing of Thin-Wall Geometries	Metallurgical and Materials Transactions B, Volume 47, No. 2, pp. 1400-1408.	Gockel, J., Klingbeil, N.W., and Bontha, S.,
33	The Effect on the Dry sliding wear behavior of Gravity Cast A357 reinforced with Dual Size Silicon Carbide particles	International Journal of Applied Mechanics and Materials, Volume 829, pp.83-89.	Avinash, L., Prabhu, R.T., and Bontha, S.,

Department of Mining Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	A Statistical Adaptive Learning Approach. Int. Jl. Geotechnical & Geological Engineering,	Classification of Stability of Highwall During Highwall Mining June- 2015, Vol- 33, Issue-3, 511-521 (Geotech Geol Eng DOI 10.1007/s10706-014-9836-6).	Ram Chandar, K., Chiranth Hegde., Mohan Yellishetty., and Gowtham Kumar, B. , 2015.
2	Experimental Study for the Assessment of Suitability for Vegetation Growth on Coal Over Burden. Int. Jl. Mining and Mineral Engineering,	July-2015, Vol-6, No. 3, 218-233 (DOI:10.1504/IJMME.2015.071173).	Ram Chandar, K., & Chaitanya, V., and Raghunandan, M.E., 2015.
3	Tunnel Stability under Different Conditions: Analysis by Numerical and Empirical Modelling. Int. Jl. of Geological and Geotechnical Engineering	Vol-1, Issue-2, 1-13.	Rama Sastry, V., Ram Chandar, K., Madhumitha, S., and Sruthy, T.G., 2016
4	Prediction of Dust Dispersion by Drilling Operation using Artificial Neural Networks. Int. Jl. Prevention and Control of Industrial Pollution	Vol-1, Issue-2, 1-13.	Nagesha, K.V., Ram Chandar, K., and Sastry, V.R., 2016
5	Slurry Transportation in Mines	International journal - "STM – Omniscience: A Multi-disciplinary Journal"	Balla Kalyan, Hemanth Reddy A, Ch.S.N.Murthy
6	Microcontroller based mine drive system and its application for energy conservation in coal mines	Science and Technology International Research Journal, Volume-4, Issue -1	Mr.Ganapathi.D.M oger,Ch.S.N.Murthy, Dr.Udayakumar.R .Y
7	Mine Rescue Robot System – A Review	Procedia Earth and Planetary Science Volume 11, Pages 457–462	A. Hemanth Reddy, Balla Kalyan, Ch. S.N. Murthy
8	Rock Indentation Indices as Criteria in Rock Excavation Technology – A Critical Review	Procedia Earth and Planetary Science Volume 11, 2015, Pages 149–158	Balla Kalyan, Ch. S.N. Murthy, R.P. Choudhary
9	Application of high speed videography in assessing the performance of blasts,	Int.Jl. Geological and Geotechnical Engg.,V., No.2, 2015, 19-33	V.R.Sastry-Co-authors: G. Raghuchandra, N.Adithya & S.A. Sai Prasad

10	Underwater blasting for rock dredging & protection of structures: A case study	Int.Jl.of Geological and Geotechnical Engineering, Accepted for publication in June issue, 2016	Sastry V.R. (Co-authors: G. Raghuchandra, C Karthik)
----	--	---	---

Department of Metallurgical and Materials Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Comparative study of wetting and cooling performance of polymer-salt hybrid quench medium with conventional quench media	Experimental Heat Transfer 18 (2015) 464-492	G. Ramesh and K.N.Prabhu
2	Experimental and numerical heat transfer studies on quenching of Inconel 600 probe	Heat and Mass Transfer, 51 (2015) 11-21	G. Ramesh and K.N.Prabhu
3	The effect of chilling and cerium addition on the microstructure and cooling curve parameters of Al-14% Si alloy	Canadian Metallurgical Quarterly 54(1) (2015) 66-76	Vijeesh Vijayan and K.N.Prabhu
4	Effect of reflow time on wetting behaviour, interfacial reaction and shear strength of Sn-0.3Ag-0.7Cu solder/Cu joint	SMTA Journal, 28(2) 2015 36-41	Mrunali Sona and K.N.Prabhu
5	Heat transfer during immersion quenching in MWCNT nanofluids	Materials Science Forum, Vols. 830-831, (2015), pp 172-176	VigneshNayak U and Narayan Pabhu K
6	characterization of Metal-PCMs for Thermal Energy Storage Applications	Materials Science Forum, Vols. 830-831, (2015), pp 505-508	Sudheer R and K. N. Prabhu,
7	Assessment of Wetting Kinematics and Cooling Performance of Select Vegetable Oils and Mineral-Vegetable Oil Blend Quench Media	Journal of Materials Science Forum, Vols. 830-831 (2015), pp 156-159	Pranesh Rao K M and Narayan Prabhu K
8	Wetting Kinetics and Cooling Performance of PAG Polymer Quenchants	Materials Science Forum, Vols. 830-831, (2015), pp 160-163	AshwinPai , VigneshNayak U, Pranesh Rao K M and Narayan Prabhu K
9	Wettability and Bond Shear Strength of Sn-9Zn Lead-free Solder Alloy Reflowed on Copper Substrate	Materials Science Forum, Vols. 830-831, (2015), pp 215-218	Sanjay Tikale, MrunaliSona and K. Narayan Prabhu
10	Solder Joint Reliability of Sn-Cu and Sn-Ag-Cu Lead-Free Solder Alloys Solidified on Copper Substrates with Different Surface Roughnesses	Materials Science Forum, Vols. 830-831, (2015), pp 265,-269	Satyanarayan, K.N. Prabhu

11	Assessment of latent heat and solid fraction of Al-22Si alloy using Newtonian and Fourier analysis techniques	Materials Science Forum, Vols. 830-831, (2015), pp 321-324	VijeeshVijayan and K. Narayan Prabhu
12	Wetting kinetics and joint strength of Sn-0.3Ag-0.7Cu lead-free solder alloy on Cu substrate as a function of reflow time	Materials Science Forum, Vols. 830-831, (2015), pp 286-289	Mrunali Sona and K. Narayan Prabhu
13	The effect of cooling rate and cerium melt treatment on thermal analysis parameters and microstructure of hypoeutectic Al-Si alloy	Light Metals, 2015, 403-408	Vijeesh V and K.N.Prabhu
14	Spreading behaviour and joint reliability of Sn-0.3Ag-0.7Cu lead-free solder alloy on nickel coated copper substrate as a function of reflow time	Transactions of the Indian Institute of Metals, 2015, 68(6) 1027-1031	Mrunali Sona and K. N. Prabhu
15	The effect of addition of Ce on the solidification path of Al-8Si-2Cu alloy	Transactions of the Indian Institute of Metals, 2015, 68(6) 1119-1123	Vijeesh V and K.N.Prabhu,
16	A Computer Aided Cooling Curve Analysis method to study phase change materials for thermal energy storage applications	Materials and Design, 96, 2016, 198-203.	Sudheer R and K.N.Prabhu
17	Effect of Polymer Concentration on Wetting and Cooling Performance During Immersion Quenching	Metallurgical & Materials Transactions B, 2016, 47(2) 859-881	G. Ramesh and K.N.Prabhu
18	The effect of simultaneous modification and refinement by Ce on microstructure and mechanical properties of Al-8% Si alloy	International Journal of Cast Metals Research, 2016 (available online)	Vijeesh V and K.N.Prabhu
19	Heat transfer and quench performance of aqueous CuO nanofluids during immersion quenching	International Journal of Microstructure and Materials Properties, 2016 (available online)	Vignesh Nayak U and K.N. Prabhu
20	Wetting Behavior and Heat Transfer of Aqueous Graphene Nanofluids	Journal of Materials Engineering and Performance (available online)	Vignesh Nayak U and K.N. Prabhu
21	Wetting and cooling performance of vegetable oils during quench hardening	Heat Transfer – Asian Research DOI:10.1002/htj.21165 (available online)	G. Ramesh and K.N.Prabhu
22	Assessment of Joint Reliability of Sn-2.5Ag-	Transactions of the Indian Institute of	Mrunali Sona and K. N. Prabhu

	0.5Cu Solder/Cu as a Function of Reflow time	Metals, (available online	
23	Development of nanolaminated Ni-P alloy coatings for better corrosion protection	RSC Advances. 2016, 6, 34005-34013 RA-ART-01-2016-001547.R1	Liju Elias, Udaya Bhat K, A Chitharanjan Hegde
24	Optimised microwave assisted biosynthesis of silver nanoparticles from Nothapodyles foetida leaf extracts and its antimicrobial activities	J of Experimental nanoscience, March 2016. http://dx.doi.org/10.1080/17458080.2016.1169445	R Roopesh, K Geedhika, J D Souza, S Anandhan, Udaya Bhat K, M J Jaya, S B Fathima, R M Balakrishna.
25	Microstructure and impression creep behavior of Al based surface composite produced by friction stir processing	Trans Indian Inst Metals, 69(2), 2016, 623-627, doi: 10.1007/s12666-015-0758-7	Udaya Bhat K. Rajendra K Udupa, S Prakrathi, Prashanth Huilgol
26	Low temperature synthesis of iron pyrite nanorods for photovoltaic applications	J Mater Sci: Mater Electronics, 30 July 2015, doi:10.1007/210854-015-525-y	P Namanu, M Jayalakshmi, K Udaya Bhat,
27	Photocatalytic behavior of nanocomposites of sputtered titanium oxide film on graphene oxide nanosheets	American Journal of Materials Science, 2015 5 (3C) 12-18, doi: 10.5923/c.materials.201502.03	Sunil meti, Udaya Bhat K, Rahman M R, Jayalakshmi M,
28	Effect of pre-Zinc coating on the properties and structure of DC magnetron sputtered copper thin film on aluminum	American Journal of Materials Science, 2015 5 (3C) 58-61, doi: 10.5923/c.materials.201502.12	Arun Augustin, K Rajendra Udupa, Udaya Bhat K,
29	Electron beam deposition of copper thin film on aluminum substrate and its characterization	, American Journal of Materials Science, 2015 5 (3C) 19-24, doi: 10.5923/c.materials.201502.04	Komalakrishna H, Arun Augustin, Udaya Bhat K,
30	Ag-TiO ₂ nanoparticles for photocatalytic degradation of lomefloxacin.	Desalination and Water Treatment, Aug 2015, 1-8. Doi:1080/19443994.2015.1076352	Raviraj M Kulkarni, Ramesh S Malladi, Manjunath SHanagadakar, Mrityunjay R Doddamani, <u>Udaya Bhat K,</u>
31	Preparation and performance studies of polysulfone –sulfated nano-titania nanofiltrate membranes for dye removal	RSC Advances, 06/2015, doi: 10.1039/CSRA07994B, 53874-53885	Arun M Isloor, Valeen Rashmi Periera, Udaya K Bhat, Abdulrahman M Al-Obaid, Hoong Kun Fun, Ahmad Fauzi Ismail,
32	Improving hot corrosion resistance of cobalt based	Trans Indian Inst Metal, 309-316, 6/215, doi	N Jegadeeswaran, K Udaya Bhat,

	superalloy (Superco 605) using HVOF sprayed oxide alloy powder coating	10.1007/s12666-015-0605-x	M R Ramesh
33	Aluminizing of mild steel plates	Encyclopedia of iron, steel and their alloys, Tay & Franc, p2274-2284 doi 10.1081/E-EISA-120052687	Udaya Bhat K
34	Characterization of ZnO films produced by thermal evaporation and oxidation	Materials Science Forum, 830-831 2015 pp 403-406	Prabhukumar C, Jayalakshmi M, Udaya Bhat K
35	Electron microscopic study of nodules formed during electrodeposition of copper on aluminum	Materials Science Forum, 830-831 2015 pp. 371-374	Arun Augustin, Udaya Bhat K, K Rajendra Udupa, A Chitharanjan Hegde
36	Hot dip aluminizing of 9Cr-1Mo steels and their heat treatment	Materials Science Forum, vol 830-831 2015, pp143-146	Jalpa Patel, Prashant Huilpol, Nirav Jannapura, Udaya Bhat K
37	Interparticle Interactions and Lacunarity of Mechano-chemically Activated Fly Ash	Powder Technology, 272, 241 (2015).	A. G. Patil, A. M. Shanmugharaj, S. Anandhan
38	Comparison of Structural, Spectral and Magnetic Properties of NiO Nanofibers Obtained by Sol-Gel Electrospinning from Two Different Polymeric Binders	Materials Science in Semiconductor Processing, 32, 40 (2015).	G. George, S. Anandhan
39	Morphological and structural characterisation of sol-gel electrospun Co ₃ O ₄ nanofibres and their electro-catalytic behaviour	RSC Advances, 5, 40940 (2015).	G. George, L. Elias, A.C. Hegde, S. Anandhan
40	Influence of Planetary Ball Milling Parameters on the Characteristics of Mechano-chemically Activated Fly Ash	Powder Technology, 281, 151 (2015).	A. G. Patil, S. Anandhan
41	'Structure-Property Relationship of Halloysite Nanotubes/Ethylene-Vinyl Acetate-Carbon Monoxide Terpolymer Nanocomposites	Journal of Thermoplastic Composite Materials, published online: 31 May 2015, DOI: 10.1177/0892705715588802	G. George, A. Mahendran, S. Anandhan
42	'A Comparative Study on the Physico-chemical Properties of Sol-gel Electrospun Cobalt Oxide Nanofibers from Two Different Polymeric Binders	RSC Advances, 5, 81429 (2015).	G. George, S. Anandhan
43	Sliding wear and Mechanical Properties of Alumina/glass fabric/epoxy Composites	Kautschuk Gummi Kunststoffe, 68, 46 (2015)	B. Shivamurthy, S. Anandhan, K. U. Bhat

44	Nanostructured Fly Ash as Reinforcement in a Plastomer-Based Composite: A New Strategy in Value Addition to Thermal Power Station Fly Ash	Silicon, 8,159 (2015)	A. G. Patil, A. Mahendran, S. Anandhan
45	Photocatalytic Activity of Sol-Gel Electrospun Co ₃ O ₄ Nanofibers in Degrading Methylene Blue and Methyl Orange	Annals of Materials Science & Engineering, 2, 1025 (2015).	G. George, S. Anandhan
46	On-Demand Guided Bone Regeneration with Microbial Protection of Ornamented SPU Scaffold with Bismuth-doped Single Crystalline Hydroxyapatite: Augmentation and Cartilage Formation	ACS Applied Materials & Interfaces, Published online: 22nd January 2016, DOI: 10.1021/acsami.5b11723	M. Selvakumar, P. Srivastava, H. S. Pawar, N. K. Francis, B. Das, G. Sathishkumar, B. Subramanian, S. K. Jaganathan, G. George, S. Anandhan, S. Dhara, G. B. Nando, S. Chattopadhyay
47	'Chitosan Composites Reinforced with Nanostructured Waste Fly Ash	Journal of Material Cycles and Waste Management, Published online: 01 April 2016, DOI: 10.1007/s10163-016-0488-x.	A. G. Patil, Poornachandra, R.Gumageri, K.Rajkumar, S. Anandhan
48	'Ductility and Flame Retardancy Enhancement of PVC by Nanostructured Fly Ash	Silicon, DOI: 10.1007/s12633-016-9415-y	A. G. Patil, A. Mahendran, S. Anandhan
49	Indentation creep studies to evaluate the mechanical properties of stainless steel welds	Australian Journal of Mechanical Engineering Page-1-5	<u>H. Udaya Prasanna & K. Rajendra Udupa</u>
50	Fabrication of Friction Stir Processed Al-Ni Particulate Composite and Its Impression Creep Behaviour	Journal of Composites Volume 2015, page 9	<u>Prakrathi Sampath, Vineeth Krishna Parangodath, K. Rajendra Udupa, and Udaya Bhat K.</u>
51	Electron Microscopic Study of Nodules formed during Electrodeposition of copper on aluminium	Materials Science Forum, Trans Tech Publications, vols. 830-83: pp 371-374.	Arun Augustin, Udaya Bhat.K, K. Rajendra Udupa, Chitharanjan Hegde
52	Effect of Pre-Zinc Coating on the Properties and Structure of DC Magnetron Sputtered Copper Thin Film on aluminium	American Journal of Materials Science, Scientific & Academic Publishing. vol. 5(3C): pp 58-61.	Arun Augustin, K. Rajendra Udupa, Udaya Bhat K.

53	Preparation Of Yarn Based Carbon-Carbon Composites And Their Properties	International Journal of Science, Technology and Management, Volume 04, Special Issue 01	A. O. Surendranathan
54	Benzimidazole as Corrosion Inhibitor for Hetatreated 6061 Al-SiCp Composite in Acetic Acid	Journal of Physics: Conference series 622 DOI:10.1088/1742-6596/622/1/012035, P 1-9	Melby Chacko and Jagannatha Nayak
55	The Influence of Microwave Sintering on the Tribological Performance of Powder Metallurgy Based Aluminium Cenesphere Composites	Material Science Forum Vuls. 830-831, pp71-74	M G Ananad Kumar, S Seetharamu, P Sampath Kumaran and Jagannatha Nayak
56	Comparison of The Effect of Alumina and AlCrN Coatings on the Oxidation Behaviour of 6061Al/SiCp Composites	International Journal of Applied Engineering Research ISSN 0973-4562, Vol 10, Number 8 (2015) p 6129-6132	S Rajasekaran, S Selvan, Jagannatha Nayak, N K Udayashankar
57	Linear Regression Model of Corrosion Behaviour of 6061 Al/SiCp Composites With and Without Coating	•International Journal of Applied Engineering Research ISSN 0973-4562, Vol 10, Number 8, p 6143-6146	S Bhavani, S Rajasekaran, S Selvan, Jagannatha Nayak, N K Udayashankar
58	Effect of Sulfate Ion Concentration and pH on the corrosion of Mg-Al-Zn-Mn (GA9)Magnesium Alloy	Journal of Manesium and Alloys, 3(2015) p 258-270	Sudarshan Shetty, Jagannath Nayak, A Nityananda Shetty

Department of Physics

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos	Author(s)*
1	Evolutionary algorithm based structure search for hard ruthenium carbides	Modelling and Simulation in Materials Science and Engineering, 2015	G Harikrishnan, K M Ajith, Sharat Chandra and M C Valsakumar
2	Vibrational spectra of Ruthenium Carbide structures yielded by the structure search employing evolutionary algorithm	Materials Science in Semiconductor Processing 2015	G Harikrishnan, K M Ajith, Sharat Chandra and M C Valsakumar
3	Temperature dependent structural properties and bending rigidity of pristine and defective hexagonal boron nitride	Journal of Physics: Condensed Matter 2015	Siby Thomas, K M Ajith, Sharat Chandra and M C Valsakumar
4	Mechanical Properties Of ND3+ Doped Phosphate Laser Glasses	Phys. Chem. Glasses: Eur. J. Glass Sci. Technol. B, 2015	G. Venkateswara Rao, N. Vijaya, A. S. Joshi, H. D. Shashikala, C.

			K. Jayasankar
5	Investigation of Mixed Alkali Effect on Mechanical, Structural and Thermal Properties of Three-Alkali Borate Glass System	Journal of Alloys and Compounds, 2015	Subhashini, H.D. Shashikala, N.K. Udayashankar
6	Electrical characterization of vacuum deposited p-CdTe/n-ZnSe heterojunctions	Applied Nano science , 5, 8, 1003-1007, 3 rd Feb, 2015 DOI: 10.1007/s13204-015-0406-x	Shashidhara Acharya, Kasturi V. Bangera , G.K. Shivakumar
7	Solar Exfoliated Graphene and its Application in Supercapacitors and Electrochemical H ₂ O ₂ Sensing	Electrochimica Acta, 160 (2015) 94–99 [IF 4.0]	M. Sreejesh, N.M. Huang, H.S. Nagaraja
8	Design and fabrication of spectrally selective TiAlC/TiAlCN/TiAlSiCN/TiAlSiO/TiAlSiO tandem absorber for high-temperature solar thermal power applications	Solar Energy Materials and Solar Cells, 2015	J. Jyothi, Harsh Chaliyawala, G. Srinivas, H.S. Nagaraja, Harish C. Barshilia
9	The effect of annealing temperature on the optical and mechanical properties of intermetallic NiTi thin films using DC magnetron sputtering technique,	Int. J. of Advanced Research in Science and Engineering IJARSE, Vol. No. 4, Issue No.2, February 2015 p230-240.	B Naveen Kumar Reddy and N K Udayashankar
10	Resonant Terahertz InSb Waveguide Device for Sensing Polymers	(accepted for publication in Journal of Infrared, Millimeter, and Terahertz Waves (Springer))	Shourie Ranjana J, P. Bhatt, P. Deshmukh, B.R. Sangala, M. N. Satyanarayan, G. Umesh, S.S. Prabhu
11	Pyrene-Oxadiazoles for Organic Light Emitting Diodes: Triplet to Singlet Energy Transfer and Role of Hole-injection/Hole-blocking Materials,	J. Org. Chem. Vol 81 No. 2, 603-614 (2015)	Chidirala, Swetha; Ulla, Hidayath; Valaboju, Anusha; Kiran, M. Raveendra; Mohanty, Maneesha; Satyanarayan, M. Nagarajan; Umesh, Govindarao; Bhanuprakash, Kotamarthi; Jayathirtha Rao, Vaidya,
12	Investigation of charge transport in Vanadyl-phthalocyanine with Molybdenum trioxide as a buffer layer: Impedance spectroscopic analysis	Synthetic Metals (B) Vol. 210, 208-213(2015)	Raveendra Kiran, Hidayath Ulla, Krishna Manohara, M.N. Satyanarayan and G. Umesh

13	Structural properties of Bi ₂ -xMnxSe ₃ thin films grown via molecular beam epitaxy	Journal of Applied Physics Vol: 118, Issue:4, Page: 045302	Sercan Babakiray, Trent A Johnson, Pavel Borisov, Mikel B Holcomb, David Lederman, Matthew A Marcus, Kartick Tarafder
14	Silver Quantum Cluster (Ag ₉)-Grafted Graphitic Carbon Nitride Nanosheets for Photocatalytic Hydrogen Generation and Dye Degradation	Chemistry – A European Journal Vol. 21, Issue 25, pages 9126-9132, June 15, 2015	Kishore Sridharan, Eunyong Jang, Jung Hyun Park, Jong-Ho Kim, Jung-Ho Lee, Tae Joo Park
15	Nonlinear Optical Investigations in Nine-Atom Silver Quantum Clusters and Graphitic Carbon Nitride Nanosheets	Journal of Physical Chemistry C, Vol 119, Issue 28, pages 16314–16320, July 16, 2015	Kishore Sridharan, P. Sreekanth, Tae Joo Park and Reji Philip
16	Superior Photostability and Photocatalytic Activity of ZnO Nanoparticles Coated with Ultrathin TiO ₂ Layers through Atomic-Layer Deposition	Chemistry – A European Journal Vol. 21, Issue 52, pages 9126-9132, December 21, 2015	Kishore Sridharan, Eunyong Jang, Young Min Park and Tae Joo Park
17	Contact angle measurement studies on porous anodic alumina membranes prepared using different electrolytes	Adv. Mater. Lett. 2016, 7(5), 396-401	P Ramana Reddy, Ajith K M and N K Udayashankar

NATIONAL JOURNALS

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1.	Land use/Land cover changes around Rameshwaram Island, East Coast of India	Indian Journal of Geo-Marine Sciences, Vol. 42(3), pp. 1183-1186	R Gowthaman, G S Dwarakish and V Sanilkumar
2.	GIS and Open Geosuite for sacred groves of Kodagu District	i-manager's Journal on Civil Engineering, Vol. 5 No. 3, pp. 7-15.	Sushma Shashi B and Dwarakish G S
3	Application of Artificial Neural Networks for the Estimation of Wave Parameters`	i-manager's Journal on Computer Science, Vol.2, No 4. pp. 30-37	G.S Dwarakish, K.V Liju, Akhil Muhammad Salim, Gayathri K Devi, Justin Thomas, and R. Rajeesh
4	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

Department of Civil Engineering

Sl.No.	Title of paper	Journal Name, Vol., Issue, Pages Nos.	Authors(s)*
1	Potential use of Coca Cola tin waste as fibres in concrete	Journal of Civil Engineering and Construction Review, March 2016	K Ravinder, and Subhash C Yaragal
2	Assessment Of The Environmental Impacts Of The Nethravati River Diversion Project	Journal of Civil Engineering and Environmental Technology, Vol. 2, No. 15, pp. 28 - 32	Srawya Lanka and S.Shrihari
3	Geopolymer Concrete – An Eco-friendly Concrete: A Review of Recent Scenario	Indian Journal of Science and Technology, DOI: 10.17485/ijst/2016/v9i2/53165. (In Press)	Suman Saha, Rajasekaran, C. and Shree Vidhya, R.
4	Monitoring and Forecasting in Construction Projects Using Time Buffers	Journal of Construction Engineering, Technology and Management (In Press).	Vishnu S Pillai, C. Rajasekaran and P.K.Vatsa
5	Flexural Fatigue Performance of Alkali Activated Slag Concrete Mixes Incorporating Copper Slag as Fine Aggregate	Selected Scientific Papers- Journal of Civil Engineering, De Gruyter publishers, Vol.10, Issue1, June	Mithun, B.M., Narasimhan, M.C., Nitendra,P. and Ravi Shankar, A.U
6	Evaluation of Intersection Traffic Control Measures through Simulation	Journal of the Institution of Engineers (India): Series A (Springer), Vol. 96, No. 4, pp. 339-347	Gowri Asaithambi and Sivanandan, R
7	Blast induced response of a tunnel in the presence of a two storied structure	ISRM India journal - Half Yearly Technical journal of Indian National Group of ISRM, Vol.4, Issue:1, pp.10-14. Print ISSN: 2277-131X; Online ISSN: 2277-1328	Sastry, V.R., Rebello Nalini and Shivashankar, R

Department of Electrical And Electronics Engineering

Sl. No.	Title of Paper	Journal Name. Vol. Issue, Page No.s	Author(s)
1	Synchronized Operation of DSP Based Generalized Impedance Controller with Variable Speed Isolated SEIG for Novel Voltage and Frequency Control	IEEE Trans. on Industry Applications, VOL. 51, NO. 2, pp-1845-1854, MARCH/APRIL 2015	Chauhan.P, Chatterjee. J, Bhare. Haresh, Perumal B and Sarkar, Dipankar
2	Modeling of photovoltaic system for uniform and non-uniform irradiance: A critical review	Renewable and Sustainable Energy Reviews, Vol.52, Page	Debashisha Jena, Vanjari Venkata Ramana

		No.400-417,2015-16	
3	Load Mitigation and Optimal Power Capture for Variable Speed Wind Turbine in Region 2	Journal of Renewable Energy,2015	Saravanakumar Rajendran, Debashisha Jena
4	Backstepping sliding mode control of a variable speed wind turbine for power optimization	Journal of Modern Power Systems and Clean Energy, Vol.3, Issue, 3, Page No.402-410,2015-16	Saravanakumar Rajendran, Debashisha Jena
5	A review of estimation of effective wind speed based control of wind turbines	Renewable and Sustainable Energy Reviews,43, Page No.1046-1062,2015-16	Debashisha Jena, R Saravanakumar
6	Nonlinear control of wind turbine with optimal power capture and load mitigation	Energy Systems, Page No. 1-20,2015-16	R Saravanakumar, Debashisha Jena

Department of School of Management

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Exploring Rural Household's adoption of Self Service Technologies in Banking Industry	TATVA , vol.XII, pp10-17.	Krishna Kishore and Sequeira A. H.

Department of Mining Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1.	A New Method of Estimating Wave Energy from Ground Vibrations, Geomaterials,	Vol-5, 45-55 (DOI: 10.4236/gm.2015.52005).	Ram Chandar, K., & Sastry,, V.R., 2015
2	Relevance of 2-Leg Chock Shields in Indian Coal mine roof conditions	Nat.Conf. Longwall Mining , organized by The Singareni Collieries Co.Ltd., Hyderabad, April 14, 2016	Sastyr V.R (Co-Author: MS Venkataramaiah)
3	Risk based estimation in construction projects,	Proc. Nat. Conf. Advanced Trends in Civil Engineering & Sustainable Development, Feb26-27, 2016,169-177	Sastyr V.R (Co-Author: D.Venkata Reddy & K.K Hariprasad)
4	Assessing the explosive energy utilization in mine blasting – Role of high speed videography,	Proc. Nat. Conf. Advanced Trends in Civil Engineering & Sustainable Development, Feb,26-27, 2016, 61-70	Sastyr V.R (Co-Author: B.Rajasekhar & G.Raghuchandra)

5	Environmental safety aspects of underwater blasting for rock dredging	Proc. Nat. Conf. Advanced Trends in civil Engineering & Sustainable Development, Feb,26-27, 2016, 52-60	V.R.Sastry- (Co-authors: C Karthik)
6	Analysis of Ground Vibrations due to Metro Trans by numerical modelling ,	Proc. Nat. Conf. Advanced Trends in Civil Engineering & Sustainable Development Feb.26-27, 2016, 44-51	Sastry V.R (Co-authors: D.Venkat Reddy, T.P Arsha Soman & S.Parvathy)
7	Stress Distribution on blasting gallery barrier pillar due to goaf formation during extraction	Jl. Institution of Engineers (India) , Sept, 2015	Sastry V.R. (Co-authors: Sandy Kumar Reddy)

Department of Metallurgical And Materials Engineering

Sl. No.	Title of paper	Journal Name, Vol., Issue, Page Nos.	Author(s)*
1	Effect of Multi Directional Forging on the Microstructure and Mechanical Properties of Zn-24 wt.% Al-2 wt.% Cu Alloy	Transactions of the Indian Institute of Metals, Page No 1-8.	P C Sharath, K Rajendra Udupa and G V Preetham Kumar.
2	Microstructure and Impression Creep Behavior of Al Based Surface Composite Produced by Friction Stir Processing	Transactions of the Indian Institute of Metals 69.2 : 623-627.	Udaya K. Bhat, Rajendra K. Udupa, S. Prakrathi, Prashant Huilgol
3	Infrared Thermography for On-line Monitoring of Pilgering of High Cr ODS Tubes	The e-Journal of Nondestructive Testing, Vol. 20, No. 6, Pages 1 -9	Vigin Varghese, K. Kapoor, D. Pramanik, A. O. Surendranathan, and T. Jayakumar

INTERNATIONAL CONFERENCES

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1	Multiple linear Regression model for predicting wave transmission in HIMMFPB	ICWRCOE 2015, NITK Surathkal, March 2015	by A.V. Hegde and Vishnu S Das`
2	Computational Intelligence for predicting wave transmission in HIMMFPB	MARHY, 2014, IIT Madras, Chennai, India	A.V. Hegde and Vishnu S Das,
3	Runup and Rundown characteristics of an emerged seaside perforated quarter circle breakwater	ICWRCOE 2015, NITK, Surathkal, March 2015	Binumol S., Subba Rao, Arkal Vittal Hegde
4	Shoreline Transformation Study of Karnataka Coast: Geospatial	ICWRCOE 2015, NITK Surathkal, March 2015	Arkal Vittal Hegde, B J Akshaya

	Approach		
5	A Review of Quality Metrics for Fused Image	ICWRCOE 2015, NITK, Surathkal, March 2015	Jagalingam P., and Arkal Vittal Hegde
6	Effect of Relative Time Period on Mooring Forces of Floating Pipe Breakwater with Relative Spacing of Three	ICWRCOE 2015, NITK, Surathkal, March 2015	Kiran Kamath, Arkal Vittal Hegde, K. Balakrishna Rao
7	Influence of Relative Draft on Transmission Characteristics of Floating Pipe Breakwater with Relative Spacing of Three	ICWRCOE 2015, NITK, Surathkal, March 2015	Kiran Kamath, Arkal Vittal Hegde, K. Balakrishna Rao
8	Application and Test of the SWAT Model in the Upper Cauvery River Basin, Karnataka, India	4 th International Engineering Symposium – IES 2015, Kumamoto University, Japan, 2015	Kumar Raju B C and L. Nandagiri
9	Trend Analysis of Temperature Time Series in Geba River Basin, Northern Ethiopia	HYDRO 2015 INTERNATIONAL 20th International Conference on Hydraulics, Water Resources and River Engineering IIT Roorkee, India, 17-19 December, 2015	Kiros G, Amba Shetty and L. Nandagiri
10	Numerical Investigation of Heat Transfer and Fluidflow in Hexagonal Shaped Microchannel for Different Hydraulic Diameters	International Conference on SET, VIT Vellore May 20	Srikanth N S Nagaraj M K and Prasadkrishna
11	An integrated Approach for Arecanut Crop Health Monitoring	International Conference HYDRO 2014, MANIT Bhopal , Dec 2014	Bhojaraj B E, Amba Shetty and Nagaraj M K
12	Mapping Age wise Discrimination of ARECANUT Crop Water Requirement Using Hyperspectral Remote Sensing	International Conference ICWRCOE 2015, NITK Surathkal March 2015	Bhojaraj B E, Gaurav Hegde, Pruthviraj U, Ambashetty and Nagaraj M K
13	Assessment of Arecanut Crop Water Requirement using Hyperspectral data and PLSR Model	International Conference HYDRO 2015, IIT Roorkee , Dec 2015	Bhojaraj B E Amba Shetty and Nagaraj M K
14	Development of a Conceptual Model For Groundwater Flow in Netravati River Basin	International Conference HYDRO 2015, IIT Roorkee , Dec 2015	Harish Kumar and Nagaraj M K
15	Estimation of Aquifer Parameters using Inverse Modelling by incorporating Prior Information about Transmissivity, Specific Yield and Rainfall Recharge Factor	International Conference HYDRO 2015, IIT Roorkee , Dec 2015	Nagaraj M K and Harishkumar
16	Prediction of Wave Transmission over Submerged Breakwater	20 th International	Geetha Kuntoji, Manu

	using Soft computing Techniques	Conference on “Hydraulics, Water Resources, Coastal and Environmental Engineering- HYDRO 2015”, organized by IIT Roorkee, December 17-19 2015	and Subba Rao
17	Analysis and optimized design of lng terminal on west coast of india using staad.pro	20 th International Conference on “Hydraulics, Water Resources, Coastal and Environmental Engineering- HYDRO 2015” organized by IIT Roorkee, December 17-19 2015	Santhan Kumar putti, Subba Rao and Guru basavaraya
18	A study on the classification of select tidal inlets along the east coast of india	20 th International Conference on “Hydraulics, Water Resources, Coastal and Environmental Engineering- HYDRO 2015” organized by IIT Roorkee, December 17-19 2015	Vikas M, Amarnatha Reddy N, Subba Rao, Jaya Kumar Seelam
19	Solute transport modeling in tropical, coastal aquifer - A semi-conceptual approach	4th Int. Conf. Hydrology and Watershed Management	Lathashri U.A. and A.Mahesha
20	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
21	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
22	Calibration of semi-distributed hydrologic model in Netravati river basin, Karnataka State, India	20th International Conference on Hydraulics, Water Resources and River Engineering, Roorkee, India, December 17-19, 2015, pp. 61-62	B P Ganasri and Dwarakish G S
23	GIS and Open Geosuite for sacred groves of Kodagu District	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	
24), Application of Artificial Neural Networks for the Estimation of Wave Parameters	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
25	Assessment of Spatial Variability of Soil Physical and Hydraulic Properties in Netravati Catchment, Karnataka State, INDIA	International Conference on Technologies for Sustainable Development (ICTSD-2015), Mumbai, India, Feb. 04 – 06, 2015	B P Ganasri and Dwarakish G S
26	Satellite based Evapotranspiration estimation based on Land Surface Temperature in Netravati river basin, Karnataka State, India	International Perspective on Water Resources & the Environment conference (IPWE 2016), Colombo, Sri Lanka, 4th – 6th January 2016	B P Ganasri, Sajad Ahmad bhat, Vivek Bhadouria, Vivek Kumar, Raju Meena, Dwarakish G S, D V Reddy
27	Analysis of Drought Events Over Upper Krishna Basin in Maharashtra	International Conference on Water Resources, Coastal and Ocean Engineering, 12th–14th MARCH, 2015	Mahajan, B.M.Dodamani
28	Application of EO-1 hyperion Data for mapping and discrimination of agricultural crops	Int. Conf. on Water, Environment, Energy and Society (ICWEES-2016) held on 15-18, March 2016, Bhopal, India	Ramesh. H. and Soorya P.P
29	Comparative Study on Different Bridge Scour Monitoring Techniques	HYDRO 2015 - INTERNATIONAL held at IIT Roorkee during 17 th - 19 th December, 2015	Sreedhara B M. Manu and Pruthviraj U.
30	Experimental Study of Submerged Breakwater made of Concrete Cubes	HYDRO 2015 - INTERNATIONAL held at IIT Roorkee during 17 th - 19 th December, 2015	Inthikab K. and Manu
31	Planning of Oil Terminal for proposed Oil Refinery in Outer Harbour at Cochin Port	HYDRO 2015 - INTERNATIONAL held at IIT Roorkee during 17 th - 19 th December, 2015	Abhijith R, Manu

Department Of Chemical Engineering

Sl. No.	Title Of Paper	Journal Name, Vol.No., Issue, Place, Dates, Page Nos.	Author(S)*
1	Grain Drying In A Multiple Draft Tube Spouted Bed- A Preliminary Study	Proceedings Of The 8th Asia-Pacific Drying Conference, Kuala Lumpur, Malaysia, 10-12 August, 2015, Pp.80-84, ISBN 978-967-11279-2-6.	S Rajashekhara And D V R Murthy
2	Batch Drying Of Wheat In A Multiple Porous Draft Tube Spouted Bed,	Proceedings Of The International Conference On Advances In Chemical Engineering NITK Surathkal, India – Dec20-22, 2015 (Accepted For Publication In “Recent Advances In Chemical Engineering - Select Proceedings Of ICACE 2015” By Springer.)	S Rajashekhara And D V R Murthy
3	Solid Drying Studies In A Multiple Draft Tube Spouted Bed Dryer	5 th International Engineering Symposium – IES 2016, March 2 – 4, Kumamoto University, Japan.	D V R Murthy S Rajashekhara And Kevin Varghese Abraham
4	Exploring The Fungal Protein Cadre Involved In The Biosynthesis Of Pbse Qds By Marine Aspergillus Terreus	4 th International Conference On Research Frontiers In Chalcogen Cycle Science And Technology At UNESCO-IHE, Delft Netherlands	Jaya, M.J., Sumit, S. And Raj Mohan, B
5	Optimizing The Fluorescence Of Biogenic Pbse Quantum Particles For The Efficient Cadmium (Cd ²⁺) Ion Sensing In Solution	4 th International Conference On Research Frontiers In Chalcogen Cycle Science And Technology At UNESCO-IHE, Delft Netherlands	Raj Mohan B, Jaya M.J
6	Photocatalytic Degradation Of Congo Red Dye Using Silver Doped Tio ₂ Nano sheets	Advances In Chemical Engineering (ICACE2015)	P E Jagadeesh Babu,
7	Solid Phase Pegylation Of Uricase	Advances In Chemical Engineering (ICACE2015)	P E Jagadeesh Babu,
8	An Effective Strewn Silver Ion-Doped Polystyrene-Supported Floating Titania Photocatalyst For Treatment Of Dye Wastewaters Under UV And	3rd Water Research Conference	S. Singh, H. Mahalingam And P.K. Singh

	Natural Sunlight		
9	Optimization Of Chitosan Nanoparticles Synthesis And Its Applications In Fatty Acid Absorption	Recent Advances In Chemical Engineering 2015	Ritu Raval, Raj Rangnekar And Keyur Raval
10	Selection Of Medium And Optimization Of Process Parameters For Melanin Biosynthesis From Pseudomonas Stutzeri HMGM-7.	Conference On Recent Advances In Chemical Engineering 2015,	Harsha Thaira, Shraddha Bhosle, Rajmohan Balakrishnan And Keyur Raval Raval.
11	Bioprocess Development Of Chitin Deacetylase Production From Recombinant <i>E-Coli</i> Pluss Cells	International Engineering Symposium, Kumamoto University	Keyur Raval, Ritu Raval, Nithasha Chinnan, Bruno Moerschbacher
12	Synthesis Of Polystyrene/ Clay Nanocomposites By Solution Intercalation Method To Study Morphology And Thermal Stability	New Frontiers In Chemical, Energy And Environmental Engineering, INCEEE-2015	Kezia Buruga And Jagannathan.T.K
13	Synthesis Of Polystyrene-Hnt Nanocomposites By Ultrasound Assisted Solution Casting Method	Direct Digital Manufacturing And Polymers , IC DDMAP-2015	Kezia Buruga And Jagannathan.T.K
14	A Novel Oxalate Oxidase From An Endophytic Bacterium Exhibits Unique Solubility Property In Saturated Ammonium Sulphate Solution	International Conference On New Horizons In Biotechnology (NHBT 2015) At Trivandrum, Kerala.	Kunal Kumar
15	Screening Of Solvents For Deacidification Of Sardine Oil	International Conference In Advances In Chemical Engg. (ICACE-2015) At NITK Surathkal	Vaisali C
16	Enzymatic Concentration Of N-3 Polyunsaturated Fatty Acids From Indian Sardine Oil	International Conference In Advances In Chemical Engg. (ICACE-2015) At NITK Surathkal	Charanya S
17	Summer School On Sensors And Nanotechnology	Technion Israel Institute Of Technology, Haifa, Israel	Jaya Mary Jacob
18	"Photocatalytic Degradation Of Organic Dyes Under Visible Light Irradiation Using Bismuth Ferrite Nanoparticles"	Proceedings Of International Conference On Nanoscience Nanotechnology And Advanced Materials NANOS -2015, Department Of Chemistry Gitam University, Gandhinagar Campus, Rushikonda, Visakhapattanam-	Shankaramma K, Vidya Shetty K

		530045, A P., India	
19	Isotherm, Thermodynamic And Kinetic Studies For Removal Of Disperse Orange 25 Dye From Contaminated Water Using Adsorption On Acid-Treated Red Mud.	Proceedings Of International Conference On Advances In Chemical Engg. (ICACE-2015) Organized By Department Of Chemical Engineering, NITK Surathkal. During 20-22 December 2015	Rathnamala G M, Vidya Shetty K, Srinikethan G
20	Optimization Of Nickel(II) And Cadmium (II) Biosorption On Brewery Sludge Using Response Surface Methodology	Proceedings Of International Conference On Advances In Chemical Engg. (ICACE-2015) Organized By Department Of Chemical Engineering, NITK Surathkal. During 20-22 December 2015	Rajeswari Kulkarni, Vidya Shetty K, Srinikethan G
21	Effect Of Precursor Salt Solution Concentration On The Size Of Silver Nanoparticles Synthesized Using Aqueous Leaf Extracts Of T. Catappa And T. Grandis Linn F. -A Green Synthesis Route	Proceedings Of International Conference On Advances In Chemical Engg. (ICACE-2015) Organized By Department Of Chemical Engineering, NITK Surathkal. During 20-22 December 2015	Aishwarya Devadiga, Vidya Shetty K, M.B. Saidutta
22	Extraction And Characterisation Of Cellulose Microfibrils From Pongamia Pinnata Seed Shell	Proceedings Of 20th International Conference On Composite Materials In Copenhagen, 19-24 July 2015	Manjula P, Vidya Shetty K, Srinikethan G
23	Photocatalytic Degradation Of Phenol Using Ag Core TiO ₂ 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

Department of Civil Engineering

Sl.No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Authors(s)
1	Evaluation of volumetric properties of WMA mixtures made using SGC and Marshall compaction	Conference on sustainable Asphalt Pavements for developing Countries, organized by CSIR-	Shiva Kumar G and Suresha S. N.

		Central Road Research Institute and Academy of Scientific and Industrial Research during 11-12 March 2016 at New Delhi.	
2	Review on performance of geosynthetic liners in municipal solid waste landfills	<i>Proceedings of The 15th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, Fukuoka, Japan, 9-13 November 2015. pp. 2368-2372, Japanese Geotechnical Society Special Publications</i>	B.M. Sunil
3	EMA of an Institute of Technology - A Case Study	ASCE - International Conference on Sustainable Energy and Built Environment, VIT Vellore, 12-13 March 2015	Arun Balan and Shrihari S.
4	Assessment Of The Environmental Impacts Of The Nethravati River Diversion Project	Proceedings of the 2nd International Conference on Innovative Research in "Mechanical, Electrical, Electronics, Civil, Computer Science and Information Technology" (MECIT-2015), 22-23 August 2015, JNU New Delhi	Srawya Lanka and Shrihari S
5	Cost of Green in LEED V4	Accepted for Presentation at the International Conference on Emerging and Sustainable Technologies for Infrastructure Systems (ESTIS 2016), April 22nd & 23rd 2016, Department of Civil Engineering, Amritha University, Kochi	Amrutha Sudhakar N. and Shrihari S
6	Rock Engineering and Earth sciences role in planning and development of civil Engineering projects	International conference on Innovative Trends in Civil Engineering for sustainability-, Dept of civil Engg-Toe H Institute of Science and	Venkat Reddy .D

		Technology, Ernakulum ,Kerala 8-9 Jan 2016	
7	A Case Study on Delay Analysis of Stadium Construction Project Using Impacted As-Planned Method	<i>Proc. of 5th International Engineering Symposium (IES 2016)</i> , Kumamoto University, Japan. C2-1-1/6	Deepak Koshy Mathew, Rajasekaran, C. and Shree Vidhya, R
8	Modeling Service Life of Reinforced Concrete Structures by Simulating Corrosion Induced Cover Cracking	<i>Proc. of 5th International Engineering Symposium (IES 2016)</i> , Kumamoto University, Japan. C1-5-1/4	Resmy, V.R., and Rajasekaran, C
9	Experimental Study on Feasibility of Rice Husk Ash in Production of Eco-friendly Concrete	<i>Proc. of 5th International Engineering Symposium (IES 2016)</i> , Kumamoto University, Japan. C2-2-1/6	Puttaraju, K.O., Shree Vidhya, R. and Rajasekaran, C
10	Reuse Technique for Domestic Waste Water in Multi-Storied Buildings	<i>Proc. of 5th International Engineering Symposium (IES 2016)</i> , Kumamoto University, Japan. C6-3-1/4	Mohammed Mohiuddin Asad, Rajasekaran, C. and Shree Vidhya, R
11	Experimental Study on Water Absorption and Accelerated Curing Properties of Recycled Aggregates in Concrete	<i>Proc. of 5th International Engineering Symposium (IES 2016)</i> , Kumamoto University, Japan. C2-5-1/6	Seeram Apoorva, Rajasekaran, C. and Suman Saha
12	Performance of Flyash Based Concrete with Special Reference to Marine Environment	<i>Proc. of 5th International Engineering Symposium (IES 2016)</i> , Kumamoto University, Japan. C2-4-1/4	Sarfaraz Ahmed, K. and Rajasekaran, C
13	An Experimental Study on Optimal Mix Design for Pervious Concrete	<i>Proc. of 5th International Engineering Symposium (IES 2016)</i> , Kumamoto University, Japan. C2-3-1/4	Archana Harikirishnan, Rajasekaran, C. and Jeenu, G.
14	Development of a Monitoring and Forecasting Method for Construction Projects Using Time Buffers	<i>Proc. Of International Conference on Intelligence, Innovation and Inclusion – Best Practices for Global Excellence</i> , Pondicherry University. 366-372	Vishnu S Pillai and Rajasekaran, C
15	Performance study of PCE based superplasticised concrete with steel and glass fibres	<i>International Conference on Emerging and Sustainable Technologies for Infrastructure Systems (ESTIS 2016)</i> , April 22nd & 23rd. Amrita	Srikar, B. and Rajasekaran, C

		University, Coimbatore. (Paper Accepted)	
16	Optimization of Project Time Management for Railway construction project	<i>International Conference on Emerging and Sustainable Technologies for Infrastructure Systems (ESTIS 2016)</i> , April 22nd & 23rd. Amrita University, Coimbatore. (Paper Accepted)	Pavan Kumar and Rajasekaran, C
17	Anaerobic Treatability of Switch Grass for Biogas	Production 5th <i>International Engineering Symposium - IES 2016</i> March 2-4, 2016, Kumamoto University, Japan	Arun Kumar Thalla, Uma S and Devatha C P
18	Lateral Distribution of Vehicles on Urban Undivided Roads in Non-Lane based Mixed Traffic Conditions	5th <i>International Engineering Symposium</i> , March 2016, Kumamoto University, Japan	Pooja Raj, Punith B. Kotagi and Gowri Asaithambi
19	Estimation of Motorcycle Unit for Motorcycle Dominated Mixed Traffic on Urban Roads in India	In Proceedings of the 95th <i>Transportation Research Board Annual Meeting 2016</i> , January 2016, Washington D.C., USA	Gowri Asaithambi and Aththuru Mahesh
20	Overtaking Behaviour of Vehicles on Undivided Roads under Mixed Traffic Conditions	In Proceedings of the 20th <i>International Conference of Hong Kong Society for Transportation Studies</i> , December 2015, Hong Kong	Gowri Asaithambi and Shrivani, G
21	Tunnel-soil-structure interaction subjected to blast loads of varying intensities	International Conference on Geotechnical Engg. 2015 (ICGE2015) at Colombo, Srilanka, August 10-11, 2015, Organized by SLGS, SIMSG and ISSMGE, pp.495-498	Shivashankar, R., Sastry, V. R. and Nalini Rebello
22	Investigating linkages between electrical resistivity and physical characteristics of unsaturated soil	8th international conference on recent advances in civil Engg., architecture and environmental engg for sustainable development (CEAESD 2015), held at Jawaharlal Nehru University, New Delhi, 11 and 12 July 2015	Nimi Ann Vincent, Shivashankar, R., Lokesh, K.N. and Gayathri, V.L
23	Appropriateness of Piled Raft Foundation for Tall Stacklike	International Conference on Soft Ground	Jayalekshmi, B. R.,

	Structures Founded on Soft Ground	Engineering - ICSGE2015, at Singapore, 3-4 December 2015, pp.613-623	Jisha, S. V. and Shivashankar, R
24	Studies on modulus of subgrade reaction of reinforced soil foundation using model plate load test	Int. Conference on Civil, Mechanical, and Environment Engineering Technologies (ICCMEET) 2016 held at SVS College of Engg. Coimbatore, 26-27 February 2016	Nayana Patil, Shivashankar, R
25	Dynamic behaviour of shear wall buildings on soft soils	International Conference on Soft Ground Engineering (ICSGE2015), December 3-4, 2015, Singapore. pp. 613-623	Jayalekshmi B.R., Chinmayi H.K
26	Performance Evaluation of State Road Transport Undertakings of Karnataka	10 th CPPM 2015, international conference held at IIMB, Bangalore, Karnataka	Raviraj, M. H
27	Methane Yield from Biogas using Laboratory- Scale Anaerobic Bioreactor	International Conference on Solid Waste (ICSW-HK) 2015, At Hong Kong Baptist University, Hong Kong SAR, Volume: ISBN: 978-988-19988-8-0	Vijay V. Nair, Hiya Dhar Sunil Kumar, Arun Kumar Thalla, A Vaidya and Jonathan W.C. Wong

Department of Computer Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	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
2.	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
3.	Cluster Based Routing in NDN	12th International Conference on Information Technology - New Generations (ITNG), Las Vegas, USA.	Gaurav Verma, Arun Nandewal, K Chandrasekaran

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
4.	CybrOS: Virtual Cloud Operating System	International Conference on Current Trends in Advanced Computing (ICCTAC 2015),	Shubham Badal, Vishal Kumar Sah, K Chandrasekaran
5.	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
6.	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
7.	"Time Stamp Based Set Covering Greedy Algorithm"	ACM CODS '15, pp.110-112, 2015.	Vasanthi, Tejaswi, P.SanthiThilagam
8.	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
9.	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
10.	Parallel Power Iteration Clustering (p-PIC) in Big Data Domain	National Conference on Big Data and Cloud Computing, NIT Trichy.	Piyush Shegokar, K.Chandrasekaran.
11.	Energy Aware SLA with Classification of Jobs for Cloud Environment	Fourth International Conference on Eco-friendly Computing and Communication Systems (ICECCS 2015)Kurukshehra India 2015	Nimisha Joy, K Chandrasekaran
12.	Reinforcement Learning Based Scheduler for Adaptive Preemption Timeslice	Fourth International Conference on Soft Computing, Artificial Intelligence and Applications (SAI 2015) Dubai UAE 2015	Prakhar Ojha, Vani M and Mohit P Tahiliani
13.	Extended Game Theoretic Dirichlet based Collaborative Intrusion Detection Systems	2nd International Conference on Computational Models, Cyber Security & Computational Intelligence	Tushar Makkar, Sayan Paul, K Chandrasekaran

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
		(ICC3 2015) Coimbatore India 2015	
14.	Remote Surveillance Robot System- A Robust Framework using Cloud	The IEEE International Symposium on Nanoelectronic and Information Systems (iNIS 2015)Indore India 2015	Aditya Sundaram, K Chandrasekaran
15.	Searchable Encryption through Obfuscation and Multi-Cloud Search	12th IEEE India International Conference (INDICON 2015)Delhi India 2015	Sumanta Chatterjee, Sonali Bhattacharjee, K Chandrasekaran
16.	Video Tamper Detection Techniques based on DCT-SVD and Multi-Level SVD	IEEE TENCON 2015 Macau China 2015	Amol Dabhade, Yogesh Bhople, K Chandrasekaran
17.	Load Balancing of MongoDB with Tag Aware Sharding	Sixth International Conference on Advances in Computing, Control, and Telecommunication Technologies - ACT 2015 Trivandrum India 2015	Piyush Shegokar, K Chandrasekaran
18.	Study and Analysis of Routing Protocols for Energy-Efficiency in Wireless Sensor Networks	Computer Electronics Electrical Mechanical and Civil - CEMC 2015, GRENZE Mumbai India 2015	Krutika Rao, K Chandrasekaran
19.	Study and Analysis of End-to-End Security Mechanisms in Wireless Sensor Networks	Computer Electronics Electrical Mechanical and Civil - CEMC 2015, GRENZE Mumbai India 2015	Srijana K, K Chandrasekaran
20.	DANE: An Inbuilt Security Extension	International Conference on Green Computing and Internet of Things (ICGCIoT 2015) Noida India 2015	Aishwarya C, Raghuram M A, Sachin Hosmani, Sannidhan M S, Balaji R, K Chandrasekaran, Bindhumadhava B S
21.	Energy Efficient Network Architecture for IoT Applications	International Conference on Green Computing and Internet of Things (ICGCIoT 2015)Noida India 2015	P Sarwesh, N.Shekar V. Shet, K. Chandrasekaran
22.	On-The Fly Encryption Security In Remote Storage	Interbtaional Conference on Advancement in Computing and Communication, ACC 2015 Kerela India 2015	Arun Prabhakar, Savin P S, K Chandrasekaran
23.	Monitoring and Management of Service Level Agreements in	IEEE International Conference on Cloud and	Anithakumari S, K Chandrasekaran

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
	Cloud Computing	Autonomic Computing (ICCAC 2015) Cambridge USA 2015	
24.	A Generic Approach to Security Evaluation For Multimedia Data	6th International Conference on Computer and Communication Technology (ICCCT 2015) Allahabad India 2015	Gargi Saha, Nisha, K Chandrasekaran
25.	Dual Stage Text Steganography using Unicode Homoglyphs	SSSC 2015, 4th International Conference on Advances in Computing, Communications and Informatics (ICACCI 2015) Kochi India 2015	H G Rama Bhat, Sachin Hosmani, K Chandrasekaran
26.	Efficient User Profiling in Twitter Social Network Using Traditional Classifiers	ISTA 2015, 4th International Conference on Advances in Computing, Communications and Informatics (ICACCI 2015) Kochi India 2015	Akshay K, M A Raghuram, K Chandrasekaran
27.	A Stackelberg game to incentivize Cooperation in BitTorrent	4th International Conference on Advances in Computing, Communications and Informatics (ICACCI 2015) Kochi India 2015	Chintan Doshi, Gaurav Verma, K Chandrasekaran
28.	Using an Optimized Artificial Neural Network For Analysis in Information Security	Women in Computer Science 2015, 4th International Conference on Advances in Computing, Communications and Informatics (ICACCI 2015) Kochi India 2015	Shivani S. Parikh, Nimisha Sharath, K Chandrasekaran
29.	Smart and Secure Monitoring of Industrial Environments using IoT	Women in Computer Science 2015, 4th International Conference on Advances in Computing, Communications and Informatics (ICACCI 2015) Kochi India 2015	M Jayashree, Shruthi Puranik, K Chandrasekaran
30.	A Green Mechanism Design Approach to Automate Resource Procurement in Cloud	International Multi Conference on Information Processing 2015 (IMCIP 2015) Bangalore India 2015	Chintan Doshi, K Chandrasekaran

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
31.	New Hiding technique in Encrypted Image: DKL Algorithm (Differing Key Length)	International Multi Conference on Information Processing – 2015Bangalore India 2015	Aathira T Dev, Udhayavene Sivasubramaniam, K Chandrasekaran
32.	A Privacy Preserved Data Mining Approach Based on k-Partite Graph Theory	International Multi Conference on Information Processing – 2015Bangalore India 2015	C Karthik, Pranav Bhat T, K Chandrasekaran
33.	Secure data management - Secret sharing principles applied to data or password protection	Fifth International Conference on Computational Intelligence and Information Technology –(CIIT 2015) Bhopal India 2015	Adithya H K Upadhya, Avinash K, K Chandrasekaran
34.	A modified secure version of the TELEGRAM protocol (MTPROTO)	IEEE CONNECT 2015 Bangalore India 2015	Job J, Naresh V, K Chandrasekaran
35.	PAL+: An Improved Implementation Towards Practical Deployment	The Asian Conference on Technology in the Classroom (ACTC 2015) 2015	Sreecharan Sankaranarayanan, Siddharth Santurkar, Vidyashankar B Lakshman, K Chandrasekaran
36.	Cluster Based Routing in NDN	12th International Conference on Information Technology - New Generations (ITNG 2015) Las Vegas USA 2015	Gaurav Verma, Arun Nandewal, K Chandrasekaran
37.	Hadoop Task Scheduling - Improving Algorithms using Tabular Approach	The International Conference on Communication Systems and Network Technologies (CSNT-2015) Gwalior India 2015	Abhishek Maheshwari, Aakash Bhardwaj, K. Chandrasekaran
38.	IntelliSearch:A Search Engine based on Big Data Analytics integrated with Crowdsourcing and category-based search	IEEE Sponsored International Conference on Circuit, Power and Computing Technologies (ICCPCT 2015) Kanyakumari India 2015	Ajeet Lakhani, Ashish Gupta, K Chandrasekaran
39.	Securing Single Sign-On Mechanism	5th International Conference on Cloud Computing Computer Science And Advances In Information Technology- ICCCCIT 2015 Bangalore India 2015	Amit Agarwal, Yash Kedia, K Chandrasekaran

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
40.	Meta-Classifer Based Approach to Software Change Classification	4th International Engineering Symposium 2015 Kumamoto Japan 2015	Sreecharan Sankaranarayanan, Vidyashankar B Lakshman, K Chandrasekaran
41.	CybrOS: Virtual Cloud Operating System	International Conference on Current Trends in Advanced Computing (ICCTAC 2015) Bangalore India 2015	Shubham Badal, Vishal Kumar Sah, K Chandrasekaran
42.	A Software Architecture for a Fully Decentralized Peer to Peer System	IEEE International conference on Computing and Communications Technologies (ICCCT 2015) Chennai India 2015	Meghana Iyli, Arya Ravi, K Chandrasekaran
43.	Study and Analysis of End-to-End Security Mechanisms in Wireless Sensor Networks	International Conference on Futuristic Trends on Computational Analysis and Knowledge Management (INBUSH ERA - 2015) Greater Noida India 2015	Srijana K N, Supriya Shetty, K Chandrasekaran
44.	Analysis of MapReduce Scheduling and Its Improvements in Cloud Environment	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015 (IEEE SPICES 2015) Calicut India 2015	Sofia D'Souza, K Chandrasekaran
45.	Aspects of Effective Software Metrics	7th International Conference On Advances in Computer Sciences, Software Solutions, E-Learning, Information & Communication Technology (ACSEICT- 2015) New Delhi India 2015	Gaurangi Saxena, Asmita Gupta, K Chandrasekaran
46.	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 Volume 312 (Springer 2015) USA 2015	Usha Divakarla., K. Chandrasekaran
47.	Multimedia Streaming using Cloud Based Peer to Peer Systems	Third International Conference on Recent Trends in Computing	Navin Thomas, Mathew Thomas, K. Chandrasekaran

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
		(ICRTC 2015) Ghaziabad India 2015	
48.	Analysis of Emerging Workflow Scheduling Algorithms in Cloud	4th International Engineering Symposium 2015 Kumamoto India 2015	S Raghavan, K . Chandrasekaran
49.	Traceback: A Forensic Tool for Distributed Systems	International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2015) Orissa India 2015	Sriram Rao, Sushant Dinesh, K Chandrasekaran
50.	Classification of vocal and non-vocal regions from audio songs using spectral features and pitch variations.	In IEEE 28th Canadian Conference on Electrical and Computer Engineering 2015	Srinivasa Murthy, Y. V., and Shashidhar G. Koolagudi
51.	Audio Songs Classification based on Music Patterns	In Proceedings of the Second International Conference on Computer and Communication Technologies (IC3T), 2015, Volume 3, Advances in Intelligent Systems and Computing, Springer. 2015	Sharma, Rahul., Srinivasa Murthy, Y. V., and Shashidhar G. Koolagudi
52.	Classification of vocal and non-vocal regions from audio songs using spectral features and pitch variations.	In IEEE 28th Canadian Conference on Electrical and Computer Engg. 2015	Srinivasa Murthy, Y. V., and Shashidhar G. Koolagudi
53.	Audio Songs Classification based on Music Patterns	In Proceedings of the Second International Conference on Computer and Communication Technologies (IC3T), 2015, Volume 3, Advances in Intelligent Systems and Computing, Springer. 2015	Sharma, Rahul., Srinivasa Murthy, Y. V., and Shashidhar G. Koolagudi
54.	Recognition of Repetition and Prolongation in Stuttered Speech Using ANN	3rd International Conference on Advanced Computing, Networking, and Informatics [ICACNI - 2015] 2015	Savin P. S., Pravin B. Ramteke, and Shashidhar G. Koolagudi
55.	Repetition Detection in Stuttered Speech	3rd International Conference on Advanced Computing, Networking, and Informatics [ICACNI – 2015] 2015	Pravin B. Ramteke, Shashidhar G. Koolagudi, and Fathima Afroz
56.	Feature Analysis for Mispronounced Phonemes in the case of Alvoelar Approximant (/r/) Substituted with Voiced Dental Consonant(/ð/)	Eighth International Conference on Contemporary Computing (IC3 2015), 2015	Pravin B. Ramteke, Shashidhar G. Koolagudi, and Arun Prabhakar

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
57.	Rhythm and Timbre Analysis for Carnatic Music Processing	3rd International Conference on Advanced Computing, Networking, and Informatics [ICACNI - 2015]2015	Rushiraj Heshi, Suma S. M., Shahidhar G. Koolagudi, Smriti Bhandari, and K.S. Rao
58.	Identifying Gamakas in Carnatic Music	Eighth International Conference on Contemporary Computing (IC3 2015) 2015	Harsh M Vyas, Suma S. M., Shahidhar G. Koolagudi and Guruprasad K. R.
59.	"Identification of Allied Raagas in Carnatic Musi	Eighth International Conference on Contemporary Computing (IC3 2015) 2015	Prithvi Upadhyaya, Suma S. M. and Shahidhar G. Koolagudi,
60.	Raga Classification for Carnatic Music.	In Information Systems Design and Intelligent Applications, Springer India 2015	Suma, S. M. and Shashidhar G. Koolagudi
61.	Repetition Detection in Stuttered Speech	International Conference on Advanced Computing, Networking and Informatics (ICACNI-2015) India 2015	Pravin B Ramteke, Shashidhar G Koolagudi, Fathima Afroz
62.	Improved Resource Provisioning in Hadoop	International Conference on Advanced Computing, Networking and Informatics (ICACNI-2015) India 2015	Divya M, B Annappa
63.	Workload Characteristics and Resource Aware Hadoop Scheduler	Second International Conference on Recent Trends in Information Systems (RETIS 2015) India 2015	Divya M, B Annappa
64.	Cuckoo Search for Influence Maximization	3rd International Conference on Advanced Computing, Networking and Informatics (ICACNI-2015) India 2015	Nikita Sinha, B Annappa
65.	Recognition of Repetition and Prolongation in Stuttered Speech Using ANN	4th International Conference on Advanced Computing, Networking and Informatics (ICACNI-2015) India 2015	Savin P S, Pravin B Ramteke, Shashidhar G Koolagudi
66.	Analysis of Ring Topology for NoC Architecture	Intl. conf. on Computing and Network Communications 2015 Trivandrum India 2015	Avinash Kamath, Gaurangi Saxena, and Basavaraj Talawar
67.	Stimulus Generation for Functional Verification of	Design and Verification Conference and Exhibition	Vaibhav Ashtikar, Bhanupratap Singh

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
	Memory Systems in Advanced Microprocessors	India (DVCon-India) Bangalore India 2015	Chouhan, Nagesh Vishnumurthy, Krishnakumar Ranganathan, Basavaraj Talawar and Vani M
68.	Crossbar Interconnection Network in DNA	IEEE International Workshop on High Performance Computational Biology (HiCOMB 2015) Intl Parallel and Distributed Processing Symposium 2015 Workshops Hyderabad India 2015	Basavaraj Talwar

Department of Chemistry

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1.	Novel Ni-alloy Graphene composite electrodes for hydrogen production.	39th Annual Convention of Electrochemists organized by SAEST(Society for Advancement of Electrochemical Science and Technology) at NIT Trichy, during March 28-29, 2016.	D. Krishna Bhat
2.	Scanning Electronic Microscopy for Analysis of the Effects of Surfactants on De-Wrinkling and Dispersion of Graphene.	ICEMT 2015 : 17th International Conference on Engineering Materials and Technology, Amsterdam, The Netherlands, 14-15 th May, 2015.	Kostandinos Katsamangas, B. Ramachandra Bhat and Fawad Inam
3	Application of Nickel Schiff base complex in Suzuki-Miyaura cross-coupling reaction,	International Conference on Multifunctional Materials for Future Applications (ICMFA-2015), Department of Chemistry, Indian Institute of Technology (BHU) Varanasi, INDIA, October 27-29, 2015	Rasheeda M. Ansari and Badekai Ramachandra Bhat,
4	Copper Schiff base complex as a catalyst for Carbon-Carbon cross-coupling reaction,	International Conference on Advances in Chemical Engineering (ICACE-	Rasheeda M. Ansari and Badekai Ramachandra Bhat,

		2015), Department of Chemical Engineering, National Institute of Technology Karnataka, Surathkal, Srinivasnagar-575025, Karnataka, INDIA, December 20 - 22, 2015	
5	Copper pincer complex as a catalyst precursor for Suzuki Miyaura cross coupling	International Conference on Advances in Chemical Engineering. 20-22 nd December, 2015. National Institute of Technology, Karnataka, India	Lolakshi M. K and B. Ramachandra Bhat
6	Eco-friendly synthesis of Co ₃ O ₄ -carbon nanotube/reduced graphene oxide ternary composite for non-enzymatic glucose sensor.	International Conference on "Nanoscience, Nanotechnology & Advanced Materials" (NANOS 2015), 14-17 th December 2015, GITUM University, Vishakapattanam, AP, India	Raghavendra Prasad J and B.R Bhat
7	Synthesis, Characterization and Catalytic Application of Iron Schiff base Complex in Suzuki-Miyaura Cross-Coupling reaction,	International Conference on Impact of Chemical Research on Environment (ICRE-2016), Department of Chemistry and Research Centre, New Arts, Commerce and Science College, Parner-414302, Ahmednagar, Maharashtra, INDIA, February 17-18, 2016	Rasheeda M. Ansari and Badekai Ramachandra Bhat,
8	High performance organic photosensitizers for dye-sensitized solar cells	<u>International Conference on Advances in Chemical Engineering</u> (ICACE-2015), NITK, Surathkal, DK, Dec 20-22, 2015, India	Dickson D. Babu, A. Vaudeva Adhikari,
9	Design, Synthesis and Characterization of a New D-A type Metal-free Organic Chromophore for Dye Sensitized Solar Cell Application	<u>International Conference on Advances in Chemical Engineering</u> (ICACE-2015), NITK, Surathkal, DK, Dec 20-22, 2015, India	Praveen Naik, Dickson D. Babu, A. Vaudeva Adhikari
10	New thiophene based donor-acceptor type conjugated polymers for non-linear optics	A poster presentation at the International	P. Naveenchandra, M. S. Sunitha, Airody Vasudeva Adhikari

		Conference on Direct Digital Manufacturing and Polymers ICDDMAP 2015), Karnataka University, Dharwad, October 28-31, 2015, India	
11	Synthesis and DFT studies of new n-type dyes for dye sensitized solar cells	A posterpresentation at the Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015) (International), BITS-Pilani, Rajasthan, October 16-18, 2015	Babu, D. D. and Adhikari, A. V.

Department of Electronics And Communication Engineering

Sl. No.	Title of Paper	Conference Name, Vol, Issue, Pages Nos, Date	Author
1.	Energy Efficient Network Architecture for IOT Applications	IEEE International Conference on Green Computing & Internet of Things, Delhi, 2015	Sarwesh P Dr. N. Shekar V. Shet Prof. K. Chandraskaran
2.	Audio Segmentation Using A-priori Information in the Context of Karnatic Music	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015, (IEEE SPICES 2015), Calicut, page no. 1- 5, 2015	Ashwin K Sreecharan Sankaranarayanan Sumam David S
3.	Real time Pedestrian detection and tracking	4th International Engineering Symposium (IES 2015), Kumomoto, Japan, E-1-1 to E-1-6, 2015	Anmol J Bhattad Sharukh S Shaikh Sumam David S. K. P. Anoop Venkat R Peddigari
4.	Adaptive Reconfigurable architecture for image denoising	IEEE International Parallel & Distributed Processing Symposium: Reconfigurable Architectures Workshop, Hyderabad, 196-201, 2015	Karthik Hegde, Vadiraj Kulkarni,Harshavardhan R Sumam David S
5.	Early Detection of Alzheimer's Disease using Image Processing on MRI Scans	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015,	ChetanPatil Madhumitha Sridhara Mathura M. G. Sumam David Merwyn Fernandes

		(IEEE SPICES 2015), Calicut, page no. 1- 5, 2015	Anand Venugopal B. Unnikrishnan
6.	Design of Multi-Band Antenna Using Zeroth Order Resonator Loaded with SRR and Modified Ground Plane	IEEE Asia-Pacific Microwave Conference, APMC, Nanjing, China, 2015	Krishnamoorthy.K Basudev Majumder Jayanta Mukherjee K P Ray
7.	Dual Band Dual Polarized Frequency Reconfigurable Antenna Using Meta-surface	IEEE Asia-Pacific Microwave Conference, APMC, Nanjing, China, 2015	B. Majumder K. Kandasamy J. Mukherjee K. P. Ray
8.	Beam-Tilted and Wide Beam Antennas using Hybrid Electromagnetic Band Gap Structures	IEEE EuMW 2015, 45th European Microwave Conference (EuMC), Paris, France, 2015	Krishnamoorthy Kandasamy B. Majumder J. Mukherjee K. P. Ray
9.	Design of SRR Loaded Reconfigurable Antenna for UWB and Narrow Band Applications	2015 IEEE AP-S Symposium on Antennas and Propagation and URSI CNC/USNC Joint Meeting, Vancouver, Canada, 2015	Krishnamoorthy Kandasamy B. Majumder J. Mukherjee K. P. Ray
10.	A Novel Circularly Polarized / Dual Band Dual Polarized Antenna Using Metasurface	2015 IEEE AP-S Symposium on Antennas and Propagation and URSI CNC/USNC Joint Meeting, Vancouver, Canada, 2015	Basudev Majumder Krishnamoorthy Kandasamy J.Mukherjee K. P. Ray
11.	A Novel Solution to Routing in Cognitive Radio Ad-hoc Networks in High Primary User Traffic Environments	Proceedings of 2015 IEEE International Advance Computing Conference organized by B.M.S. College of Engineering, Bangalore,905-909, 2015	Abhinav Sridhar Srivatsa Sridhar Shyam Lal
12.	A High Gain EBG Backed Slot Antenna Loaded with Anisotropic Mue-Negative Superstrate	2015 IEEE AP-S Symposium on Antennas and Propagation and URSI CNC/USNC Joint Meeting, Vancouver, Canada, 2015	Basudev Majumder Krishnamoorthy Kandasamy Jayanta Mukherjee Kamla Prasan Ray
13.	Theoretical Investigation on Piezowafer Actuated Micropump	International Conference on Emerging Trends in Engineering, NMAMIT, Nitte, 90-94, 2015	Veerasha R.K Astron Manoj Tauro Muralidhara Rathnamala Rao
14.	Inverse P-I Hysteresis Model for Piezoactuator and its Application in Micro-EDM In-Situ Measurements	International Conference on Emerging Trends in Engineering, NMAMIT, Nitte, 143-148, 2015	Rathnamala Rao Pragathi B.K Muralidhara
15.	Development of In-Situ Tool Grinding Attachment for	International Conference on Emerging Trends in	Venugopal T.R Yajnesha P Shettigar

	Micro-EDM	Engineering, NMAMIT, Nitte, 46-50, 2015	Muralidhara Rathnamala Rao
16.	Investigations on the Displacement Control of APA230L Piezoelectric Actuator	International Conference on Emerging Trends in Engineering, NMAMIT, Nitte, 149-155, 2015	Mokshitha Rathnamala Rao Muralidhara
17.	Design and Analysis of Structural Interface Stiffeners for Parallel Pre-Stressed Actuator	International Conference on Emerging Trends in Engineering, NMAMIT, Nitte, 35-39, 2015	Roshan P Muralidhara Rathnamala Rao
18.	Active Vibration Isolation using Inverse Maxwell's Slip Model	International Conference on Emerging Trends in Engineering, NMAMIT, Nitte, 46-51, 2015	Girish Kumar S Rathnamala Rao Muralidhara
19.	Design of Piezoactuator Based Prototype Actuator With Hydraulic Displacement Amplification Using Metal Diaphragm	International Conference on Emerging Trends in Engineering, NMAMIT, Nitte, 40-45, 2015	Mohith S Muralidhara Rathnamala Rao
20.	Investigation on Pulse Reading Using Flexible Pressure Sensor	International Conference on Industrial Instrumentation and Control (ICIC) College of Engineering, Pune, 213-216, 2015	Sukesh Rao M Rathnamala Rao
21.	Method for QRS Delineation Based on STFT using Adoptive Threshold	ICISP-2015.	B. Shah Shaik V S S K R Naganjaneyulu G T. Chandrasheker A V Narasimhadhan
22.	A Novel Approach for QRS Delineation in ECG Signal Based on Chirplet Transform	IEEE Connect 2015	B Shah Shaik V S S K R Naganjaneyulu Gudapati A V Narasimhadhan
23.	Energy Efficient transmission of Rateless Codes over Free Space Optical channels	Proceedings of SPIE Photonics West LASE (Laser Technology and Industrial Laser Conference), Moscone Center San Francisco, California, USA 2015	Geetha Prakash, Muralidhar Kulkarni U Sripati

Department of Electrical and Electronics Engineering

Sl. No.	Title of Paper	Conference Name. Vol. Issue, Date, Page No.s	Author(s)
1	A Fixed Frequency ZVS Integrated Boost Dual Three-	IEEE Energy Conversion Congress and Exposition	H. Nagendrappa and A. K. S Bhat

	Phase Bridge DC-DC LCL-type Series Resonant Converter with Capacitive output filter	(ECCE), Montreal, Canada, September 2015, pp. 2056-2063.	
2	Review of Developments in BLDC Motor Controllers Along with Study of Four-quadrant Operation and Active Power Factor Correction	Proc. of IEEE 10th International Conference on Industrial and Information Systems (ICIIS), 17 - 20 December 2015, Faculty of Engineering, University of Peradeniya, Sri Lanka	Dhaneesh Krishnan T V, Samskriti, K.P.Vittal,
3	Upgrading Substation Relays to Digital Reclosers and their Coordination with Sectionalizers	Proc. Of 4th IRF International Academic Conference on Electrical & Electronics Engineering (IACEEE), Cochin, India, April 19th, 2015, pp 85-89, ISBN: 978-93-82702-98-6	B.Ramesh, K.P.Vittal,
4	Modeling of FACTS Controllers in Power Flow Programmes to Analyze Prevention of Loop Flows	Proceedings of 12 th the IEEE India conference, INDICON-2015, held at Jamia Millia Islamia, New Delhi, INDIA, December, 17-20 th 2015	K. Udaya Kishore and K. N. Shubhanga
5	Performance Analysis of a Grid Connected DFIG for non-optimum Power Tracking	Proceedings of 12 th the IEEE India conference, INDICON-2015, held at Jamia Millia Islamia, New Delhi, INDIA, December, 17-20 th 2015	E. Prasanthi and K. N. Shubhanga
6	Dynamic Phasor Modelling and Simulation	Proceedings of 12 th the IEEE India conference, INDICON-2015, held at Jamia Millia Islamia, New Delhi, INDIA, December, 17-20 th 2015	Shashidhar M.K and K. N. Shubhanga
7	Design of a Subsynchronous Damping Controller Using a Dynamic Phasor Model of TCSC	International conference on Power and Energy Systems: Towards Sustainable Energy (PESTSE) -2016, held at Bengaluru, INDIA, January, 21-23rd, 2016	Shashidhar M.K and K. N. Shubhanga
8	Effect of a Non-Ideal Inductor on the Performance of a Laboratory TCSC and Implementation of a Current Controller	International conference on Power and Energy Systems: Towards Sustainable Energy	Ritty Raju and K. N. Shubhanga

		(PESTSE) – 2016, held at Bengaluru, INDIA, January, 21- 23rd, 2016	
9	A Study of Starting Methods for an Induction Motor Using an Arbitrary Waveform Generator	Proceedings of the International conference on Advances in Electrical Engineering (ICAEE) - 2015, held at IUB Campus, Dhaka, Bangladesh, January, 17-19 th , 2015	Archis Banerjee, Aritra Banerjee, D. P. Saikat Rana and K. N. Shubhanga
10	A toy model to understand Subsynchronous resonance and Real-time simulation of the model using RTAI-Linux	International conference on Control, Instrumentation, Communication and Computational Technologies, ICCICCT-2015, held at Noorul Islam Centre, Kumaracoil, Tamilnadu, December, 18-19 th , 2015	Adharapurapu Hema Latha, Shashidhar M.K and Shubhanga K.N
11	Modeling, simulation & optimal control of non-linear PEM fuel cell with disturbance input	2015 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS), Page No.1-7	Pruthiraj Swain, Debashisha Jena
12	PID control design for the pressure regulation of PEM fuel cell	2015 International Conference on Recent Developments in Control, Automation and Power Engineering (RDCAPE), Page No.286-291	Pruthiraj Swain, Debashisha Jena
13	Maximum power point tracking of PV array under non-uniform irradiance using artificial neural network	2015 IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), Page No.1-5	Vanjari Venkata Ramana, Debashisha Jena
14	Optimal backstepping sliding mode control for robot manipulator	2015 IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), Page No.1-5	Mokenapalli Vijay, Debashisha Jena
15	Modeling of correlated photovoltaic generations and load demands in probabilistic load flow	2015 Annual IEEE India Conference (INDICON), Page No.1-6	B Rajanarayan Prusty, Debashisha Jena

16	Adaptive nonsingular terminal sliding mode control for variable speed wind turbine	2015 IEEE 28th Canadian Conference on Electrical and Computer Engineering (CCECE), Page No.937-942	Saravanakumar Rajendran, Debashisha Jena
17	Interconnection of wind-solar hybrid Renewable Energy source to the 3 phase-3 wire distribution system along with power quality improvements at the grid side,	In Power and Advanced Control Engineering (ICPACE), 2015 International Conference on , vol., no., pp.168-172, 12-14 Aug. 2015	Gururaj, M.V.; Vinatha, U.; Jayasankar, V.N
18	Implementation of Adaptive Fuzzy Controller in a Grid Connected Wind-Solar Hybrid Energy System with Power Quality Improvement Features	2016 Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy (PESTSE), vol., no., pp., 21-23 Jan. 2016 ISBN: 978-1-4673-6660-1	Jayasankar, V.N.; Vinatha, U.;
19	A study on Hybrid Renewable Energy Source Interface to the Non-ideal Grid at Distribution Level with Power Quality Improvements	IEEE International Conference on Power Systems, 2016 (ICPS 2016), vol., no. 6, pp., 4-6 Mar. 2016 ISBN: 978-1-5090-0128-6	Jayasankar, V.N.; Gururaj, M.V.; Vinatha, U
20	Grid Connected Wind-Solar Renewable Energy System with Series Active Self Tuning Filter	International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) - 2016, vol., no., pp., 3-5 Mar. 2016. ISBN: 978-1-4673-9939-5	Aravind, S.; Vinatha, U.; Jayasankar, V.N.
21	Fuzzy controller based interface for hybrid Renewable Energy Source at distribution level with power quality improvements”	IEEE International Conference on “Futuristic Trends in Computational analysis and Knowledge management” (A-BLAZE 2015).	Gururaj M V and Dr Vinatha U,
22	Electrical collector topologies for off shore wind power plants –A Survey	IEEE 10 th International Conference on Industrial and Information Systems (ICIIS)-2015, held at University of Peradeniya, Sri Lanka.	Ramu Srikakulapu and Vinatha Urunday,

		17-20 December 2015.	
23	Performance Analysis of Multi Step Voltage Source Inverters with Optimised Harmonic Stepped Waveform	i-manager's International Conference on Engineering and Technologies (IICET 2015) Trivandrum, Kerala, India, 10-11 April 2015.	Vinatha U , Kristen Mario D'souza , Suryakant Shet
24	Hybrid PV/wind energy system with a centralized DC bus architecture and power regulation	2015 Annual IEEE India Conference (INDICON) Year: 2015 , Pages: 1 - 6, DOI: 10.1109/INDICON.2015.7443171.	Lopsang Sherpa; Vinatha Urunday U; Binod Rai
25	High Efficiency Improved 12kW Switched Mode Telecom Rectifier	accepted in IEEE PEDS Conf. 2015	Dr. R.Kalpana and Saravana Prakash,
26	Integrated full-bridge buck dc-dc converter topologies for three-phase ac mains fed SMPS	IEEE Conf. EESCO, 2015.	Saravana Prakash P and Dr.R.Kalpana,
27	Autotransformer Based Power Quality Improvement in Switched Mode Rectifier	Indo-Swedish Colloquium on Electrotechnology, IIT Madras, 2015.	Saravana Prakash P and Dr R Kalpana,
28	High-Efficiency Improved 12kW Switched Mode Telecom Rectifier	IEEE Conf. WIECON, 2015.	Dr. R. Kalpana and Saravana Prakash P,
29	An Effective Reference Generation and Control of DVR using DSOGI-prefilter based PLL	IEEE International Conference on Circuit, Power and computing Technologies [ICCPCT],India, March 2016. ISBN: 978-1-5090-1276-3/16	M.Sriram kasyap, A.Karthikeyan, B.Venkatesa perumal, C.Nagamani
30	Design of binary search ADC using N comparators	IEEE First International Conference on Control, Measurement and Instrumentation (CMI), Kolkata, India pp. 499-502, 2016	Shah Palash Manish Bhai, Dattatraya N Gaonkar
31	Voltage estimation in smart distribution networks with multiple DG systems	Annual IEEE India Conference (INDICON), pp.1-6, New Delhi, 2015	P Raghavendra, DN Gaonkar
32	Battery-ultracapacitor storage devices to mitigate power fluctuations for grid connected PV system	Proc. Of 4th IRF International Academic Conference on Electrical & Electronics Engineering (IACEEE), Cochin, India, April 19th, 2015, pp 85-89, ISBN: 978-93-82702-98-6	Jayalakshmi N. S.; D. N. Gaonkar; Vikash Kumar J.; Karthik R. P.

33	Frequency and Voltage Droop Control of Parallel Inverters in Microgrid	2nd International Conference On Control Instrumentation , Energy & Communication, university of Kolkata, India jan28-30,2016	Chethan Raj D, D. N. Gaonkar
34	Improvements in AEPD locations identification by removing outliers and post processing	Proceedings of International IEEE conference CATCON-2015, 10-12 December 2015 held at CPRI Bangalore	Gururaj Puneekar, Deepthi Antony

School of Management

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Inclusive growth in Enhancing healthcare service quality	International management research academy, London and Indian Institute of Management, Bangalore (IIM-B), 16-18 .	Sunil D'Souza and A.H. Sequeria,
2	Implications of Energy Subsidy Reform in India	Conference on Global Economic Growth and Sustainability by SDMIMD, Mysore during November 20-21, 2015	Rajesh H. Acharya Anver C. Sadath
3	"Food: Culture, Literature and the Real"	International Conference on <i>The Culture of Food: Literature and Society</i> organized by the Department of English and Department of Tourism at MES, College of Arts & Commerce, Goa at Hotel Queeny, Goa on 25, 26 & 27 February 2016.	Dhishna P
4	Influence of family structures on pester power and purchase outcomes- A conceptual framework	5 th International Conference on Marketing and Retailing (INCOMaR 2015) organised by Faculty of Business and Management, University Teknologi MARA in collaboration with IEEE, Malaysia, 12-13 October 2015, pp-19-20.	Anitha P & Bijuna C Mohan
5	Functional food acceptance in India: Socio-demographic and	Ist International Conference on Advances	Shamal S & Bijuna C Mohan

	lifestyle determinants	in Healthcare Management Services, IIM, Ahmedabad, 6-7 June 2015, pp,44-46.	
6	A Study on factors influencing pester power in children and its effect on purchase Intent of parents in India	International conference organised by International Management Research Academy (IMRA) London, United Kingdom, and the Indian Institute of Management Bangalore (IIMB), Bengaluru, during 16-18 December 2015.	Anitha P & Dr. Bijuna C Mohan
7	Influence of Family Structures on Pester Power and Purchase Outcomes-A Conceptual Framework	Procedia Economics and Finance, Vol. 37, pp. 269-275, Elsevier.	Anitha P & Bijuna C Mohan

Department of Information Technology

Sl.No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	A Hybrid Community Detection based on Evolutionary Algorithms in Social Networks	3 rd IEEEInt. Students' Conference on Electrical, Electronics and Computer Science (SCEECS-2016), March 5-6, 2016, Maulana Azad National Institute of Technology, Bhopal, India	Vidyadhari Jami G. Ram Mohana Reddy
2	Analysis of Sigmoidal Utility Function based Handover Decision in Heterogeneous Wireless Network	IEEE Int. Conf. on Microwave, Optical and Commn. Engg. (ICMOCE - 2015), Dec. 18-20, 2015, Indian Institute of Technology Bhubaneswar, Orissa, India	B. R. Chandavarkar G. Ram Mohana Reddy
3	Prediction of Retweets Using Textual Features	3rd International Conference on Business Analytics and Intelligence (BAICONF 2015), December 17-19, 2015, Indian Institute of Management Bangalore, Karnataka, India	Ashish Bharadwaj S Vivek Agrawal Ashwin T S G Ram Mohana Reddy
4	Analysis of Students' Learning Experiences by Mining Social	3rd International Conference on Business	Aneesh Subramanya Kartik Koralla

	Media Data	Analytics and Intelligence (BAICONF 2015), Dec. 17-19, 2015, IIMB Bangalore, Karnataka, India	Keerthi Prasad N Suhas H S G. Ram Mohana Reddy
5	An E-learning System With Multi-facial Emotion Recognition Using Supervised Machine Learning	IEEE 7th Int. Conference on Technology for Education (T4E-2015), December 10-12, 2015, NIT Warangal, Telangana, India	Ashwin T S Jijo Jose Raghu G G Ram Mohana Reddy,
6	Load Balancing in Cloud Environment using a Novel Hybrid Scheduling Algorithm	IEEE 4th International Conference on Cloud Computing for Emerging Markets (CCEM 2013), Nov. 25-27, 2015, Bangalore, India.	Shridhar G.Domanal G. Ram Mohana Reddy
7	Enhanced Framework for IoT applications on Python based Cloud Simulator (PCS)	IEEE 4th International Conference on Cloud Computing for Emerging Markets (CCEM 2013), November 25-27, 2015, Bangalore, India.	Anurag Jaiswal Shridhar G.Domanal G Ram Mohana Reddy
8	Comparisons with Analysis of Sigmoidal Utility Function based Handover Decision in Heterogeneous Wireless Network	IEEE 5th Int. Conf. on Digital Information Processing/Commns (ICDIPC-2015), Oct. 7-9, 2015, Univ. of Applied Sciences & Arts Western Switzerland	B. R. Chandavarkar G. Ram Mohana Reddy
9	Comparisons of Entropy Based Multi Attribute Decision Making Point of Attachment Selection in Heterogeneous Wireless NWS	IEEE 5th Int. Conf. on Digital Info Processing/Commn (ICDIPC-2015), Oct. 7-9, 2015, Univ. of Applied Sciences & Arts Western Switzerland.	B. R. Chandavarkar G. Ram Mohana Reddy
10	Language Modelling and English Speech Prediction System to Aid People with Stuttering Disorder	ACM Third Int. Symposium on Women in Computing and Informatics (WCI-2015), August 10-13, 2015, Kochi, Kerala, India	Pramati Kalwad Shailja Pattanaik Chandana T G. Ram Mohana Reddy
11	Hybrid Bio-MER: A Novel Hybrid Bio-Inspired Emotion Recognition System Based on CSO--GA-PSO Augmented with SVM and ANN	6th Int. Conf. on Ambient Systems, Networks and Technologies (ANT-2015), June 2-5, 2015, London, United Kingdom	Vivek T V G Ram Mohana Reddy
12	A Novel Energy Efficient Resource Allocation Using Hybrid Approach of Genetic	6th Int. Conf. on Ambient Systems, Networks and Technologies (ANT-2015),	Neeraj Kumar Sharma G Ram Mohana Reddy

	DVFS with Bin Packing	June 2-5, 2015, London, United Kingdom	
13	Comparisons with Analysis of Sigmoidal Utility Function Based Candidate Network Selection in Heterogeneous Wireless Network	5th Int. Symposium on Frontiers in Ambient and Mobile Systems (FAMS-2015), June 2-5, 2015, London, United Kingdom	B. R. Chandavarkar G Ram Mohana Reddy
14	DCBT: A Novel Hybrid Scheduling Algorithm for Load Balancing in Cloud Environment	5th Int. Symposium on Frontiers in Ambient and Mobile Systems (FAMS-2015), June 2-5, 2015, London, United Kingdom	Shridhar G.Domanal G. Ram Mohana Reddy
15	Semantic Sentiment Analysis Using Context Specific Grammar	IEEE Int. Conf. on Computing, Commn. and Automation (ICCCA-2015), May 15-16, 2015, Greater Noida, India.	M S Bhuvan Vinay Rao D Siddharth Jain Ashwin T S G. Ram Mohana Reddy
16	A Novel Method for Disease Recognition and Cure Time Prediction Based On Symptoms	2nd IEEE Int. Conf. on Advances in Computing & Commn. Engineering (ICACCE-2015), May 1-2, 2015, Dehradun, India	Mani Shankar Mayank Pahadia Divyang Srivastava Ashwin T S G. Ram Mohana Reddy
17	A Novel Energy Efficient Resource Allocation Using Hybrid Approach of Genetic DVFS with Bin Packing	IEEE 5th Int. Conf. on Commn. Systems and Network Technologies (IEEE CSNT 2015), April 4-6, 2015, Gwalior, India.	Neeraj Kumar Sharma G Ram Mohana Reddy
18	A Novel Hybrid Bio-Inspired Algorithm for Facial Emotion Recognition Using CSO-GA-PSO-SVM	IEEE 5th Int. Conf. on Commn. Systems and Network Technologies (IEEE CSNT 2015), April 4-6, 2015, Gwalior, India.	Vivek T V G. Ram Mohana Reddy
19	Hybrid Heuristic Shifting Bottleneck Procedure for Parallel-Machine Job-Shop Scheduling Using GPU	IEEE 5th Int. Conf. on Commn. Systems and Network Technologies (IEEE CSNT 2015), April 4-6, 2015, Gwalior, India.	V. Sundeep G. Ram Mohana Reddy
20	Resource Prediction in Server Virtualized System	IEEE 5th Int. Conf. on Commn. Systems & Network Technologies (IEEE CSNT 2015), April 4-6, 2015, Gwalior, India	Biju R Mohan G. Ram Mohana Reddy
21	A New Glowworm Swarm Optimization Based Clustering Algorithm for Multimedia Documents	2015 IEEE International Symposium on Multimedia (ISM 2015), (10th Conference in the series) Dec 14 - 16, 2015,	Pushpalatha K, Ananthanarayana V.S.

		Miami, USA	
22	Document Classification with a Weighted Frequency Pattern Tree algorithm	IEEE International Conference on Data Mining and Advanced Computing (SAPIENCE), 16-18, March 2016, Ernakulam, India.	Froila Dsouza Ananthanarayana V.S.
23	Compound Word Generator for Sanskrit using Paninian Grammar based Sandhi Rules	5th International Engineering Symposium - IES 2016 March 2-4, 2016, Kumamoto University, Japan.	Vaishakh K, Pravalika A, Abhishek D V, Sowmya Kamath S and Prakash P,
24	A Personalized Recommender System using Machine Learning based Sentiment Analysis over Social Data	3rd IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCECS-2016), 5-6 March 2016, organized by Maulana Azad National Institute of Technology (MANIT), Bhopal, India (IEEE Proceedings)	Meghana Ashok, Pradnyesh Joshi, Swathi R, Sowmya Kamath S
25	Improved Speculative Apriori with Percentiles Algorithm for Website Restructuring based on Usage Patterns	4 th International Conference on Microelectronics, Computing and Communication (MicroCom 2016), organized by NIT Durgapur, West Bengal, January 23-25th, 2016.	Gaurav Gahlot and Sowmya Kamath S
26	Towards Automatic Semantic Web Service Description Generation – An Empirical Evaluation of WSDL to OWL-S Mapping Tools	12 th IEEE INDICON 2015 (Electronics, Energy, Environment – Communication, Computer, Control E ³ -C ³), organized by IEEE India Council.	Sowmya Kamath S and Ananthanarayana V.S.
27	A Framework for Sentiment Estimation and Auto-escalation of Customer Queries using Qweets	Indo-US Bilateral Workshop on Large Scale Complex Network Analysis (LSCNA), in conjunction with IEEE ANTS 2015, 15- 18 December, Kolkata, India.	Apoorva Chandra, Dilip Mallya, J N V K Chaitanya, Sowmya Kamath S
28	A Spatial Clustering Approach for Efficient Landmark Discovery using Geo-tagged Photos	2015 IEEE International Conference On Electronics Computing and Communication	Deeksha S D, Rohan Bansode, Ashrith H C, Sowmya Kamath S

		Technologies (IEEE CONECCT 2015) organized by IIIT Bangalore during 10 -11 July 2015.	
29	A Composite Classification Model Based on Semantic & Syntactic Information Integration for Web Services	2015 IEEE International Advance Computing Conference (IEEE IACC 2015), Bangalore, June 12 -13, 2015.	Sowmya Kamath S, Atif Ahmed and Mani Shankar
30	An Interactive System for Event Detection and Trend Analysis for Twitter Data	3rd International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2015), 23 - 25 June 2015, India organised by School of Computer Engineering, KIIT University, Orissa, India (Springer Smart Innovation, Systems and Technologies Series)	Kaushik Ramachandran, Apoorva Chandra, Dilp Mallya, J N V K Chaitanya, Sowmya Kamath S
31	Ontology based Approach for Event Detection in Twitter datastreams	IEEE Region 10 Symposium TENSYP 2015, Ahmedabad, India during 13 - 15 May 2015, organised by IEEE Gujarat Section, sponsored by IEEE Internet of Things (IoT) Society.	Kaushik Ramachandran, Apoorva Chandra, Dilip Mallya, J N V K Chaitanya, Sowmya Kamath S
32	Secure Music Sharing with Improved Potato System Using Cryptographic Techniques	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (IEEE SPICES 2015), organized by National Institute of Technology Calicut (NITC), Kozhikode, during Feb 19-21st 2015 at Calicut, India.	Gaurav Yadav, Sowmya Kamath S and Gaurav Prasad
33	Performance Analysis of Process Driven and Event Driven Web Servers	9th International conference on Intelligent systems and Control (ISCO'15), January 9 -10, 2015, Karpagam, Coimbatore, India. (IEEE Proceedings)	Prakash P, Biju R Mohan and Sowmya Kamath S
34	A Novel Semi-supervised Approach for Protein Sequence	5 th IEEE International Conference on Advanced	Bharti Chaturvedi, Nagamma Patil

	Classification	Computing Conference (IACC 2015), June 12-13, Bangalore, 2015	
35	Recommender System Based on Hierarchical Clustering Algorithm Chameleon	5 th IEEE International Conference on Advanced Computing Conference (IACC 2015) , June 12-13, Bangalore, 2015.	Utkarsh Gupta, Nagamma Patil
36	A Novel Approach for Genome Data Classification Using Hadoop and Spark Framework	3 rd International Conference on Emerging Research in Computing, Information, Communication and Applications” (ERCICA-15) , July 31-August 1, Bangalore, 2015, Springer.	Shailesh Tayde, Nagamma Patil
37	Evaluation of Machine Learning Frameworks on Bank Marketing and Higgs Datasets	2 nd IEEE International Conference on Advances in Computing and Communication (ICACCE-2015), May 1-2, Dehradun, 2015.	Malladihalli S Bhuvan , Siddharth Jain , Vinay D Rao , Nagamma Patil, Raghavendra G S
38	Genome Data Analysis using MapReduce Paradigm	2 nd IEEE International Conference on Advances in Computing and Communication (ICACCE-2015), May 1-2	Mayank Pahadia, Divyang Srivastava, Akash Srivastava, Nagamma Patil
39	Classification of Multi-Genomic Data using MapReduce Paradigm	IEEE International Conference on Computing, Communication and Automation (ICCCA-2015), May 15-16, Greater Noida, 2015.	Mayank Pahadia, Divyang Srivastava, Akash Srivastava, Nagamma Patil
40	An Improved Sentiment Analysis Of Online Movie Reviews Based On Clustering For Box-Office Prediction	IEEE International Conference on Computing, Communication and Automation (ICCCA-2015), May 15-16, Greater Noida, 2015.	Nagamma Patil , Pruthvi H.R , Nisha K.K, Shwetha N Hadimani
41	Normalized Weighted and Reverse Weighted Correlation Based Apriori Algorithm	4 th IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI-2015), August 10-13, Kerala, 2015	Amimul Ehsan, Nagamma Patil

Department of Mathematical and Computational Sciences

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1	Entrance region flow in concentric annuli with rotating inner wall for Bingham fluid	Proceedings of 16th International Conference on Fluid Flow Technologies, Budapest, Hungary, September 1-4, 2015	Srinivasa Rao Nadiminti, A. Kandasamy,
2	Reliability analysis of exponential models based on skewness and Kurtosis	Proc. of International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA 2015), Bangalore, India, July 2015	opashri Tantri, Murulidhar N. N.

Department of Mechanical Engineering

1	Simulation and Analysis of Energy Harvesting from Grey water and Rain water in High rises	2016 IEEE Region 10 Symposium (TENSYP), Indonesia, 09-11 May 2016	Kishan Ramesh Kumar, SutejPramodKulgod, AnishSurendran
2	Performance and Emission Characteristics of LPG-Gasoline Dual Fuel on A Multi-Cylinder MPFI Gasoline Engine	Proceedings of the 10th Asia-Pacific Conference (ASPACC-2015) on Combustion, Beijing China, July 19-22 2015,	VighneshaNayak, Shankar K. S, Dinesha P., Mohanan P

3	Impact of injection timing on the performance and emission characteristics of a diesel engine fueled with Cardanol blends	Proceedings of the 10th Asia-Pacific Conference (ASPACC-2015) on CombustionBeijing China, July 19-22 2015,	Dinesha P., VighneshaNayak, Mohanan P.
4	Effect of machining parameters on wire electro discharge machining of shape memory alloys analyzed using Grey entropy method	10th INTERNATIONAL CONFERENCE AMAEAP-2015 at J N U New Delhi India on 07 Nov. 2015 .	HargovindSoni, Narendranath S and Ramesh M. R
5	Optimization of Wire Electric Discharge Turning process parameters for INCONEL 718 super alloy by using ANOVA Technique	ICONMERIT-16, Nehru Institute of Engineering and Technology Coimbatore, 30&31 March 2016	GAJANAN M NAIK, NARENDRANATH S

6	Experimental Investigation of Wire ED Turning of INCONEL 718 super alloys	ICDAMS- 2016, Saveetha University-Chennai, 07-08 April 2016.	GAJANAN M NAIK, NARENDRANATH S
7	Experimental and Analytical Studies on Magnetorheological Damper	ICFIMEMM - 2016	Lohit S.K., Hemanth K., Hemantha Kumar, K.V.Gangadharan
8	Effect Of Egr Rate And Diesel-Dme Blends On In-Cylinder Combustion And Emissions Of Crdi Engine By Cfd Modeling,	23rd National and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference, Trivandrum, Kerala, India, 17-19 Dec 2015, paper no. IHMTC2015-293.	Venkatesh T. Lamani, Ajay Kumar Yadav, G.N. Kumar,
9	CFD simulation of a common rail diesel engine with biobutanol-diesel blends for various injection timings,	Biofuels and Bioenergy: International conference and Exhibition (BICE2016), 23-25 February 2016, MANIT Bhopal, India, paper no.:BICE6316.	Venkatesh T. Lamani, Ajay Kumar Yadav, G.N. Kumar,
10	Steady State modelling of Cryogenic Loop Heat Pipes, 5th International Engineering Symposium	IES 2016 , March 2-4, 2016, Kumamoto University, Japan, Paper no. 48.	Arun Ashok Rao, Prashanth Ramesh, Somesh Bhatia, Ajay Kumar Yadav,
11	Numerical Simulation of Multi-Relaxation-Time Lattice Boltzmann method in Rolling Operation of Rectangular Bar	International Conference on Direct Digital Manufacturing and Polymers (ICDDMAP-2015), October 28-31, Karnatak University, Dharwad	D ArumugaPerumal
12	Analysis of flow behaviour in a Jet Ejectors using CFD	International Conference on Advances in Chemical Engineering (ICACE 2015), December 20 - 22, NIT Karnataka, Surathkal	D.A. Perumal, M.P.Mydeen, Sabarish C.S., M.Selvam
13	Design of small scale wind turbine blade for low wind potential areas	Proceedings of Global conference on Renewable energy to be held at NIT Patna from 4-6th March 2016	Sreejith B K, Sathyabhama A
14	Prediction of wind turbine power using ANN	Proceedings of Global conference on Renewable energy held at NIT Patna from 4-6th March 2016	Rashmi P Shetty, Sathyabhama A, SrinivasPai

15	Augumentation of heat transfer coefficient in pool boiling using compound enhancement technique	Proceedings of 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTC2015, 17-20 December, 2015, Thiruvananthapuram, India	Athul Dinesh, Sathyabhama A
16	A new Forward model approach for a mild steel fin under natural convection heat transfer	Procedia Engineering 127, 317-324, 2015	Amev S Kulkarni , HarshaKumar,Gnanasekaran N.,
17	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.A	Harsha Kumar, Sharath Kumar, SrinivasaSagar, N., Gnanasekaran N.,
18	Estimation of heat transfer coefficient from mild steel fin using inverse heat transfer approach	International Conference on Computer Aided Engineering (CAE-2015) Department of Mechanical Engineering, GITAM University, School of Technology, Hyderabad, India	Harsha Kumar, Amev S Kulkarni, Gnanasekaran N
19	Conjugate Heat Transfer Studies in a Hexagonal Micro Channel	Procedia Engineering 127, 719-726, 2015	ShreyasHegde, Narendran G, Gnanasekaran N
20	Bayesian Inference Approach to Estimate Robin Coefficient using Metropolis Hastings Algorithm	International Conference on Advances in Chemical Engineering and Golden Jubilee Celebrations between 20 to 22 December 2015	Sai Krishna Dammalapati, Vishal Murmu, Gnanasekaran N
21	SIMULTANEOUS ESTIMATION OF HEAT TRANSFER COEFFICIENT AND THERMAL DIFFUSIVITY FOR RECTANGULAR FIN UNDER HEATING AND COOLING PROCESS	Proceedings of 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTC2015, 17-20 December, 2015, Thiruvananthapuram, India	Harsha Kumar, Gnanasekaran N
22	Effect of Melt Pool Behaviour on Solidification Microstructure in Laser Additive Manufacturing of Ti-6Al-4V Thin-Wall Structures	5th International Engineering Symposium - IES 2016, March 2-4, 2016, Kumamoto University, Japan	SrikanthBontha and Nathan W. Klingbeil

Department of Mining Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Prediction and Analysis of Dust Dispersion from Drilling Operation in opencast Coal Mines. Proc.,	Int. Conf. on Global Challenges, Policy Frame work & Sustainable Development for Mining of Mineral and Fossil Fuel Energy Resources, 17-18 April, 2015, NITK, Surathkal, 303-311.	V.R.Sastry, Ram Chandar, K. , Nagesha, K.V., Muralidhar, E., and Shoeb Mohiuddin, Md., 2015.
2	Hydraulic Conductivity of Palm Oil Contaminated Kaolin	A Pilot Study. Proc. 8 th International Perspective on Water Resources and the Environment. American Society of Civil Engineers, Colombo, Sri Lanka. Jan 4-6, 2016.	Anirudh S. Sriraam., Mavinakere E. Raghunandan., and Ram Chandar, K. , 2016.
3	Experimental Investigation on penetration rate of percussive drill	Procedia- Earth and planetary Science, Vol.11, 2015, PP89-99	S.B.Kivade, Ch.S.N.Murthy, Harsha Vardhan
4	Potential Sources of heat in Underground Mines- A review	Procedia- Earth and Planetary Science, Vol.II, 2015, PP 463-498	T.Maurya, K, Karena, Harsha Vardhan, M.Aruna,M.Govinda Raj.
5	Effect of heat on underground Mine workers	Procedia- Earth and Planetary Science, Vol.II, 2015, PP 491-498	T.Maurya, K, Karena, Harsha Vardhan, M.Aruna,M.Govinda Raj.
6	Iron Ore palletization technology and its environmental Impact assessment in eastern Region Of India- A Case study	Procedia- Earth and Planetary Science, Vol. II, 2015, PP 582-597	G.P Singh, Sandeep, R.P Choudhary, Harsha Vardhan,M.Aruna, A.B, Akalkar
7	Experimental, simulation and a case study on electrical energy consumption in mine drive haulage system	International Conference on Power and Advanced Control Engineering, 13 th 14 th August 2015	Ganapathi.D.Moger Ch.S.N.Murthy Udaykumar. R.Yaragatti
8	Application of Wireless Sensor Networks in Slope Stability Monitoring- A Critical review.	Proc. All India Seminar on Slope Stability Issues in opencast Mining and Civil Engineering, NIT Rourkela, 25-26 July, 2015.	Kumar, D., and Ram Chandar, K., 2015

Department of Metallurgical and Materials Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1	Nanostructured fly ash as reinforcement in a plastomer-based composite: a new Strategy to reduce greenhouse emission from thermal power station	International Conference on Biopolymer Materials and Engineering, Slovenj Gradec	A. Mahendran, A. G. Patil, S. Anandhan, H. Lammer
2	“Effect of microstructure on the contact angle of antimicrobial copper thin film coatings”	World congress on Microscopy: Instrumentation, Techniques, and Applications in Life Sciences and Materials Sciences (WCM 2015), held at Mahatma University Kottayam,	Arun Augustin, K. Rajendra Udupa and Udaya Bhat K.
3	“Crystallite Size Measurement and Micro-strain Analysis of Electrodeposited Copper Thin Film Using Williamson-Hall Method.”	<i>International conference on condensed matter and applied physics (ICC2015)</i> at Bikaner	Arun Augustin, K Rajendra Udupa, Udaya Bhat.
4	“Microstructural study of DC magnetron sputtered copper thin film for antimicrobial touch surfaces”,	Make in India: Role of Metals and Materials (MIRMM) by Dept of Metallurgical and Materials Engineering NITK Surathkal, Mangalore	Arun Augustin, K Udaya Bhat and Rajendra Udupa
5	“Impact of Copper ions on E. coli; an Electron Microscopic Study.”	International conference on advanced chemical engineering (ICACE 2015) at NITK Surathkal, Mangalore	Arun Augustin, Udaya Bhat, K Rajendra Udupa.
6	“Doping effect of silver nanoparticles on the structure, properties and antimicrobial behaviour of copper thin film electrodeposited on the aluminium substrate.”	4th Nano Today Conference by “elsevier” at Dubai,	Arun Augustin, K Rajendra Udupa, Udaya Bhat.
7	Mechanical Properties of Zn-24 wt. % Al-2 wt. % Cu alloy processing by multi directional forging	The Indian institute of metals NMD ATM 2015, “Vision 2025-Global challenge & opportunities in steel industry”, 13/11/15 to 16/11/15, Page No. 171-172	P C Sharath, G V Preetham Kumar and K Rajendra Udupa.

8	Effect of coating current density on the wettability of electrodeposited copper thin film on aluminium substrate	International Conference on recent trends in Engineering and Material Sciences (ICEMS-2016) Jaipur National University, Jaipur, India	Arun Augustin, K Rajendra Udupa, Udaya Bhat K
---	--	---	---

Department of Physics

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
1.	Preparation of vacuum deposited cadmium selenide thin films for optoelectronic	Recent Advances in Nano Science and Technology 2015, Satyabama University, Chennai, during 8 th to 10 th July 2015	Santhosh T.C.M., Kasturi V. Bangera, G.K. Shivakumar
2.	Effect of substrate temperature on the structural and electrical properties of spray deposited lead sulfide thin films.	Recent Advances in Nano Science and Technology 2015, Satyabama University, Chennai, during 8 th to 10 th July 2015	Veena E, Kasturi V. Bangera, G.K. Shivakumar.
3.	Growth and characterization of Pb _x Zn _{1-x} S thin films by spray pyrolysis.	4 th Nano Today conference, JW Marriott Marquis Hotel, 6 th to 10 th Dec, Dubai 2015	Veena E, Kasturi V. Bangera, G.K. Shivakumar.
4.	Phases of Spacetime: Gravity as a Condensate of Gauge Fields	International Conference on Gravitation and Cosmology (ICGC) 2015 at IISER, Mohali from Dec 14-18, 2015	Deepak Vaid
5.	Young's modulus of graphene using intrinsic thermal vibrations	IUPAP Conference on Computational Physics, Guwahati, Assam, 2015	Siby Thomas, M S Mrudul, K. M. Ajith and M C Valsakumar
6.	Structural Analysis of Graphene and h-BN: A molecular dynamics approach	International Conference on condensed matter and applied physics, Bikaner, Rajasthan, 2015	Siby Thomas, K M Ajith and M C Valsakumar
7.	Structural and Magnetic studies of Tin doped alpha Fe ₂ O ₃ nanoparticles prepared by Microwave assisted synthesis	International Conference on condensed matter and applied physics, 2015	Bindu K, Choudhary P, K .M. Ajith and H.S. Nagaraja
8.	Contact angle measurement studies on porous anodic alumina membranes prepared using different	RAINSAT, Chennai, 2015	P Ramana Reddy, K M Ajith and N K Udayashankar

	electrolytes.		
9.	The Effect of BaO Content and Soaking Temperature on Basic Structural Properties of Calcium Sodium Phosphate Glasses	AMMA -2015	Akhila B Edathazhe, H D Shashikala.
10.	Preparation of vacuum deposited cadmium selenide thin films for optoelectronic applications	International conference on "Recent Advances in Nano Science and Technology-2015", Chennai	Santhosh T.C.M., Kasturi, V.Bangera, G.K.Shivakumar
11.	Synthesis, Structure, and Properties of Multi-Transition Metal-Substituted Wheel-Shaped Tungstophosphates	International Conference on Multifunctional Materials for Future Applications, IIT BHU, Varanasi, 2015	S. S. Mal, Partha Pratim Das and U. Kortz
12.	Numerical Study of Energy Spectrum of a Two-Electron System Confined in a Spherical Quantum Well	3rd National Conference on Nanoscience and Instrumentation Technology, NIT Kurukshetra, 2015	S. A. Dsouza, Vijeth, S. S. Mal, Partha Pratim Das
13.	Hole Transfer Dynamics from a CdSe/CdS core-shell nano crystal to a Tethered Ferrocene Derivative	Functional Materials for Today and Tomorrow	Dr. Kartick Tarafder

NATIONAL CONFERENCES

Department of Applied Mechanics And Hydraulics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)*
1	Tidal inlet classification along the coasts of Goa and Karnataka	4 th National Conference of Ocean Society of India – OSICON-15, CSIR-National Institute of Oceanography, Goa, INDIA, 22-24 March 2015	Vikas. M, Jaya Kumar Seelam, and Subba Rao
2	study on seasonal morphological changes and classification of tidal inlets along Gujarat and Kerala coasts	4 th National Conference of Ocean Society of India – OSICON-15, CSIR-National Institute of Oceanography, Goa, INDIA, 22-24 March 2015	Amarnath Reddy. N, Vikas M, Jaya Kumar Seelam, and Subba Rao
3	Development of North Karnataka through satellite Port linked multimodal transport	National Conference on Advanced Trends in Civil Engineering and Sustainable Development [ATCESD - 16], 26 th & 27 th FEBRUARY, 2016, Mangalore Institute of Technology & Engg,	Harish N, Kiran G. Shirlal and Harinath A V

		Badaga Mijar, Moodbidri, DK District Karnataka, ISBN 978-93-5258-252-5, pp122-126	
4	Assessing the Dynamic Changes in Land Use and Land Cover and Hydrological Processes in Netravati River Basin, Karnataka, India	8th Annual KSTA Conference on Science and Technology for GenNext URBAN SPACE, Bengaluru, India, 5th and 6th November 2015, pp. 69	B P Ganasri and G S Dwarakish
5	Coastal Erosion Mitigation Measures-State of the Art.	8th Annual KSTA Conference on Science and Technology for GenNext URBAN SPACE, Bengaluru, India, 5th and 6th November 2015, pp. 71	Shabnum Suhura Shamsudeen, L Revanth Reddy and G S Dwarakish
6	Study of Mulky-Pavanje River Mouth Dynamics, Mangalore Coast of India : An Integrated Approach	8th Annual KSTA Conference on Science and Technology for GenNext URBAN SPACE, Bengaluru, India, 5th and 6th November 2015, pp. 37	G S Dwarakish
7	Application of Neural Network model for LU/LC Classification of Satellite Images of Nethravathi River Basin	National Conference on Geospatial Information and Technologies Advancement (GITA-2K15), held at Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, Udupi, INDIA on 16th and 17th October, 2015	Ganasri B P, Nujuma Nazimudhin, Nithyapriya B , Fasnamol T M and Dwarakish G S.
8	Planning of Marine Facilities for an LNG Terminal in India	National Conference on Geospatial Information and Technologies Advancement (GITA-2K15), held at Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, Udupi, INDIA on 16th and 17th October, 2015	Rushidh M D, Shabnum Suhura , L Revanth Reddy and G S Dwarakish
9	Flood Risk Assessment: A Review	Advanced Trends in Civil Engineering and Sustainable Development (ATCESD-16), held at Dept. of Civil Engineering, Mangalore Institute of Technology and Engineering, Moodabidri, Karnataka, 26th and 27th February, 2016. pp. 71-77,	Dwarakish G S, Tilak L N, Uday Kumar and Nithyapriya

		ISBN: 978-93-5258-252-5	
10	Application of Remote sensing and GIS for flood Alert System using A case Study of Adhwara Basin.	Adanced Trends in Civil Engineering and Sustainable Development (ATCESD-16), heldt at Dept. of Civil Engineering, Mangalore Institute of Technology and Engineering, Moodabidri, Karnataka, 26th and 27th February, 2016. pp. 78-82, ISBN: 978-93-5258-252-5	Dwarakish G S, Uday Kumar, Tilak L N, C M Bhatt, Srinivasa Rao G and Abhinav Shukla
11	A Review on Hard Application to Prevent Beach Erosion: Do they Really Work?.	Adanced Trends in Civil Engineering and Sustainable Development (ATCESD-16), heldt at Dept. of Civil Engineering, Mangalore Institute of Technology and Engineering, Moodabidri, Karnataka, 26th and 27th February, 2016. pp. 109-114, ISBN: 978-93-5258-252-5	L Revanth Reddy, Shabnum Suhura and G S Dwarakish
12	Evaluation of wind energy using GIS: A review	National symposium on Geomatics for Digital India. pp 263-264. December 16-18, JKLU, Jaipur, India	Pavithra B N and Ramesh H
13	Comparison of Atmospheric Correction Algorithms on Hyperion Data for Mineral study	27 th Session Kerala Science Congress held in ALAPPUZHA , 27th-30 th January 2015	Alina Nero , Amba Shetty and Chandan Kumar

Department of Civil Engineering

Sl.No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Authors(s)
1	Experimental studies on rutting potential of Bailey Asphalt Mixtures	2 nd Conference Transportation Systems Engineering & Management, held during May 1-2, 2015 at NIT Tiruchirappalli.	Abhijith B S and Suresha S. N.
2	Geological disasters in planning and development and management for sustainable development of major civil engineering projects with special reference to smart cities planning in India	Dept. of Civil Engineering National Institute of Technology Tiruchirapalli, 22-24 Feb 2016	Venkat Reddy. D
3	Earth Sciences Rock Science and Rock	National Conference on	Venkat Reddy.D

	Engineering Role in Planning and Development of Civil Engineering Projects With Special Reference to Smart Cities in India	“Advance Trends in Civil Engineering and Sustainable Development, Department of Civil Engineering Mangalore Institute of Technology & Engineering, BadagaMijar, Moodbidri-574 225,26-27 Feb 2016	
4	Analysis of Ground Vibrations due to Metro Trains by Numerical Modelling	In proceedings volume National Conference on “Advance Trends in Civil Engineering and Sustainable Development, Department of Civil Engineering Mangalore Institute of Technology & Engineering, Badaga Mijar, Moodbidri-574 225,26-27 Feb 2016,pp 44-51	V. R. Sastry, D. Venkat Reddy, Arsha Soman, S. Parvathy
5	Risk Based Estimation in Construction Projects	In proceedings volume National Conference on “Advance Trends in Civil Engineering and Sustainable Development, Department of Civil Engineering Mangalore Institute of Technology & Engineering, BadagaMijar, Moodbidri-574 225, 26-27 Feb 2016,pp169-177	V.R. Sastry, D. Venkat Reddy, K.K. Hariprasad
6	Monitoring and Forecasting Method for the Construction of Steel Structures Using Time Buffers	<i>Proc. of National Conference on Advanced Trends in Civil Engineering and Sustainable Development (ATCESD-16)</i> , MITE-Mangalore, pp 162-168. ISBN 978-93-5258-252-5	Vishnu S Pillai and Rajasekaran, C
7	Experimental investigation of blended class-C and Class-F fly ash based geopolymer concrete	<i>Proc. of National Conference on Advanced Trends in Civil Engineering and Sustainable Development (ATCESD-16)</i> , MITE-Mangalore, pp 153-161. ISBN 978-93-5258-252-5	Anjan Kumar, M.S and Rajasekaran, C
8	Monitoring and Forecasting in Construction Projects Using Time Buffers	<i>Proc. of National Conference on Advances in Construction Technology and Management (ACTM-16)</i> , VNIT, Nagpur, pp 109-116	Vishnu S Pillai, Rajasekaran, C. and Vatsa, P.K
9	Effect of RBI 81 on laterite soil as a	53rd Indian Geotechnical	Lekha B M,

	pavement material	Conference 2015, Conducted by IGS, Pune, India. December 17-19, 2015	Goutham Sarang and Ravi Shankar A U
10	Digestibility of Food waste for Biogas Production <i>Global Conference on Renewable Energy(GCRE 2016)</i>	<i>March 04-06, 2016 NIT Patna in Association with World Energy and Environmental Technology, UK</i>	Uma S and Arun Kumar Thalla
11	Quantitative Determination of Vehicle Influence in Non-Lane Based Mixed Traffic Conditions	8 th <i>National Civil Engineering Students' Symposium (NCESS), March 2016, IIT Bombay, India</i>	Murthy, G. K., Suman Pokharel and Gowri Asaithambi
12	Effect of Vegetation on Stability of Slopes	53rd Indian Geotechnical Conference at COEP, Pune, 17-19 December 2015	Anaswara, S. and Shivashankar, R
13	Evaluation of Groundwater Potential zones and Identification of sites for Water Harvesting Structures in Kogganuru Mini-Watershed, Davangere District, Karnataka - Remote Sensing and Geographical Information System approach.	National Seminar on Earth Resources Assessment and Management, 23-24 Nov 2015 at Kuvempu University, Shankargatta.	Virupaksha. H. S, Lokesh. K. N, Govindaraju. G, Nimi Ann Vincent, Jayakumar
14	Estimation of overburden and delineating bedrock using Electrical Resistivity technique - A case study of New Mangalore Port Trust site, Mangalore, Karnataka, India.	National Seminar on Earth Resources Assessment and Management, 23-24 Nov 2015 at Kuvempu University, Shankargatta.	Nimi Ann Vincent, Lokesh. K. N, Gayathri, Virupaksha. H. S
15	Modeling Gap Acceptance Behaviour of Vehicles at Uncontrolled Intersections under Mixed Traffic Conditions	<i>Recent Advances in Traffic Engineering (RATE 2015), June 2015, SVNIT, Surat</i>	Shindon Baby and Gowri Asaithambi
16	Analysis of Occupation Time of Vehicles at Uncontrolled Intersections under Mixed Traffic Conditions	<i>2nd Conference on Transportation Systems Engineering and Management, May 2015, NIT Tiruchirappalli</i>	Chepuru Anuroop and Gowri Asaithambi
17	Pedestrian Crossing Behaviour at Urban Uncontrolled Intersections under Mixed Traffic Conditions	<i>Transportation Young Researchers Symposium 2015, May 2015, NITWarangal</i>	Sarath Chandra, Manu O. Kuttan and Gowri, A.

Department of Chemical Engineering

Sl. No.	Title Of Paper	Journal Name, Vol.No., Issue, Place, Dates, Page Nos.	Author(S)*
1	Influence Of Fluid Inlet Diameter On Drying Time In Multiple Draft Tube Spouted Bed	68th Annual Session Of Indian Institute Of Chemical Engineers, Guwahati, India 27-30 December	S Rajashekhara A and D V R Murthy,

2	Spouted Beds As Fluid Solid Contacting Devices – A Review	National Conference On Advances In Synthesis And Separation In Chemical And Biological Processes, February 16-17, 2016, Dayanada Sagar College Of Engineering, Bangalore, India	S Rajashekhara A and D V R Murthy
3	Marine Microorganisms - A Source For The Production Of Fibrinolytic Enzymes	National Conference On Recent Trends In Microbial Biotechnology (RTMB)-2015 Osmania University Hyderabad, Telangana, India	Anusha K
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, Telangana, India	Prajna Rao K
5	“Application Of Nano Biotechnology In Waste Water treatment”	Proceedings Of 8th National Women's Science Congress Held At Veterinary College, Hebbal, Bangalore.held During November 7th - 8th (2015) ISSN 2249	Shankaramma K, Vidya Shetty K

Department of Chemistry

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1	Design, Synthesis and Computational Modeling of a New Metal-free Organic Chromophore for Dye Sensitized Solar Cell Application	National Conference on Recent Trends in Chemical Sciences (NCRTCS), MIT, Manipal, Karnataka, Jan 11-12, 2016	Praveen Naik, Dickson D. Babu, A. Vaudeva Adhikari
2	Tailor-Made Co-adsorbents for High Efficient dye-sensitized solar cells	National Conference on Recent Trends in Chemical Sciences (NCRTCS), MIT, Manipal, Karnataka, Jan 11-12, 2016	Dickson D. Babu, A. Vaudeva Adhikari
3	Design and synthesis of a new metal-free organic chromophore for Dye-Sensitized solar cell applications	10 th Mid-year CRSI symposium in Chemistry, National Institute of Technology Trichy, TN, July 23-25, 2015.	Praveen Naik, Dickson D. Babu, and Airody Vasudeva Adhikari

Department of Electronics and Communication Engineering

Sl. No.	Title of Paper	Conference Name, Vol, Issue, Pages Nos, Date	Author
1.	Radiographic Knee Osteoarthritis Classification using Convolutional Neural Network	Insight Student Conference, Dublin, Ireland, 2015	Joseph Antony Kevin McGuinness Noel E O Connor Kieran Moran
2.	Automatic Classification of Knee Osteoarthritis Images	Insight Student Conference, Dublin, Ireland, 2015	Joseph Antony Kevin McGuinness Noel E O Connor Kieran Moran

Department of Electrical & Electronics Engineering

Sl. No.	Title of Paper	Conference Name. Vol. Issue, Date, Page No.s	Author(s)
1	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,
2	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,
3	Performance Analysis of a Novel Cascade Multilevel Inverter	National Power Engineering Research Scholars, December, 29 -30, 2015.	J. Venktaramana Dr. Yellasiri Suresh

Department of Mathematics and Computational Mathematics

Sl. No.	Title of paper	Journal name. Vol. Issue, Page No.s	Author(s)
1	Iterative Roots of Continuous Functions Extended from Characteristic Interval	National Conference on Recent Trends in Analysis and Applications, held at Periyar University Salem during February 11-12, 2016	V. Murugan, Suresh Kumar

Department of Mechanical Engineering

1.	Analysis of effect of steam induction on the performance and emission of an SI engine fueled with LPG compared to E20	24th National Conference on IC Engines and Combustion, UPES Dehradun, 30th Oct-1st Nov, 2015, 331-336	Shankar K S, VighneshaNayak and Mohanan P
2.	Cyclic variations in MPFI engine on LPG-Gasoline dual fuel mode of operation	24th National Conference on IC Engines and Combustion, UPES Dehradun, 30th Oct-1st Nov, 2015, 321-326	VighneshaNayak, Shankar K S, and Mohanan P
3.	An approach towards HCCI engine by using diesel vapour induction on a DI diesel engine and finding the effect of it on the performance and emission characteristics	24th National Conference on IC Engines and Combustion, UPES Dehradun, 30th Oct-1st Nov, 2015, 337-341	Sumanlal M.R., Bhaskara and Mohanan P.
4.	A study on the effect of Cyclohexane additives in pongamia biodiesel blend in a 4 stroke DI diesel engine	24th National Conference on IC Engines and Combustion, UPES Dehradun, 30th Oct-1st Nov, 2015, 94-100	Neeraj M and Mohanan P

5.	Experimental studies on the performance and emission characteristics of a CI engine fuelled with phenolic biofuel blends	24th National Conference on IC Engines and Combustion, UPES Dehradun, 30th Oct-1st Nov, 2015, 85-88	Dinesha P and Mohanan P
6.	CFD analysis on performance and exhaust characteristics of CRDI diesel engine for various engine speeds and EGR rates	24th National Conference on IC Engines and Combustion, UPES Dehradun, 30th Oct-1st Nov, 2015, 85-88	Venkatesh T. Lamani, Ajay Kumar Yadav, G.N. Kumar
7.	Simulation of two-sided deep cavity flows by lattice Boltzmann multi-relaxation-time model	National Conference on Advances in Mathematics and its applications to Science and Engineering (AMASE 2016), January 22, University College of Engg, Pattukottai, Tamilnadu,	D ArumugaPerumal
8.	Numerical Simulation of an Organism Swimming in a Channel Using an Immersed Boundary Finite Volume Method	Proceedings of the Forty Second National Conference on Fluid Mechanics and Fluid Power, December 2015, NITK, Surathkal, India	Ranjith M

9.	A Novel Method to Estimate Convective Heat Transfer Coefficient and Emissivity from a Lumped System Using Transient	10th National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTTEST 2015), BIT, Erode, TamilNadu	PallavPattnaik, SubhamBurnwal, Gnanasekaran N
10.	A New Methodology to Estimate Unknown Parameter From Fin Heat Transfer	10th National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTTEST 2015), BIT, Erode, TamilNadu	SuyogWani, Shiv Singh Saini, Gnanasekaran N
11.	Wind turbine power optimization studies using Particle swarm optimization	1. Proceedings of 8th National Conference on Advances in Energy Conversion Technologies, held at Manipal Institute of Technology, Manipal during January 28 – 30, 2016, 1-5	Rashmi.P.Shetty, A.Sathyabhama, and Srinivasa.Pai.P
12.	Experimental Studies On The Effect Of Stand-Off Distance On The Pressure Rise Inside A Polyester Filter Bag During Pulse Jet Operation	Proceedings of the Forty Second National Conference on Fluid Mechanics and Fluid Power, December 14-16, 2015, NITK Surathkal, Karnataka, India, FMFP 2015 – PAPER NO. 229	JayaramThumbe, RavikiranKadoli, Gangadharan K V

Department of Mining Engineering

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1	Application of Solar Energy in open cast mine- A case study	Recent Practices and Innovations in Mining Industry, NIT Raipur, 19 th -20 th Feb, 2016	Abhishek Kumar Tripathi, Ch.S.N.Murthy

Department of Physics

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)
1.	Design and Development of Nanostructured Materials for Harnessing Energy (Invited Talk)	National Seminar on Recent Trends in Materials Science, Department of Physics, Government College Kasargod, Kerala, 07 Jan 2016	Kishore Sridharan
2.	Recent trends in the Design and	National Seminar on	Kishore Sridharan

	development of nanostructured materials for Harnessing Solar Energy (Invited Talk)	Frontiers in Materials Science, Department of Physics, St. Joseph's College Devagiri, Calicut, Kerala, 24-25 Feb 2016	
--	--	---	--

School of Management

Sl. No.	Title of paper	Conference Name, Place, Dates, Page Nos.	Author(s)*
	Impact of Day Trading on Volatility and Liquidity	52 nd annual conference of the The Indian Econometric Society (TIES) at the Indian Institute of Management, Kozhikode, during 4th to 6th January 2016.	Rajesh H. Acharya

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
CEP	Design and management of irrigation schemes	27.7.2015 to 31.7.2015	KERS, Krishnarajasagara	Ramesh H.
CEP	Water supply and sanitation schemes	24.8.2015 to 29.8.2015	KERS, Krishnarajasagara	K.Varija
Workshop	workshop on Open source Latex software for students of the department	15.08.2015	AMD, NITK	Pruthviraj U.
Workshop	Workshop on Open source CFD titled 'Reef 3D : Open source CFD for Hydraulic and Coastal Engineering flow for students of the department	14.09.2015	AMD, NITK	Pruthviraj U.
Workshop	Workshop on Water Resources Management under changing environment	20.10.2015	AMD, NITK	Paresh Chandra Dekka
Workshop	Tsunami Threats and its mitigation along Indian coast	2.11.2015	TEQIP	K.G.Shirlal & Subba Rao

Foreign Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
Hans Bihs	Research Fellow Marine Civil Engg. NTNU Trodheins, Norway	visited the dept. and interacted with students and faculty	14.09.2015
Dr. Hiromichi Akimoto	Professor, Dept. of Naval Architecture and Ocean Engineering, Osaka University, Japan	Visited the dept. and interacted with students and faculty	01.10.2015
Kazuhiri Lijima	Professor, Naval Architecture and Ocean Engineering, Osaka University, Japan	visited the dept. and interacted with students and faculty	01.10.2015
Tad S. Murty	University of Ottawa Canada	Delegate for TEQIP Sponsored workshop and given a talk on 'Early Warning Systems to mitigate loss of life and damage to infrastructure for sustainable development'	02.11.2015

Indian Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
K. Narayan Shenoy	Professor, Manipal University	Visited for Viva-voce exam and Interaction with faculty and students of the Dept	16.07.2015 & 17.07.2015
Jagadish Pai B.	Asst. Professor, Manipal University	Visited for Viva-voce exam and Interaction with faculty and students of the Dept	16.07.2015 & 17.07.2015
Shivakumar Nymathi	Professor, Bangalore University	As a resource person for CEP programme on Design and management of irrigation schemes	29.07.2015
Ravikumar	Professor, Bangalore University	As a resource person for CEP programme on Design and management of irrigation schemes	29.07.2015
Venkatesh B.	Director, NIH, Belgaum	Visited for academic audit and interacted with faculty and students	28.09.2015
D. Sannasiraj,	Professor, IIT, Madras	Visited for academic audit and interacted with faculty and students	28.09.2015
D. Nageshkumar,	Professor, IISc., Bangalore	Visited for academic audit and interacted with faculty and students	28.09.2015
R.D. Singh	Director NIH, Roorkee	Visited for signing MOU with NIH., Roorkee & NITK and given a expert lecture on 'Impact if climate change on water resources and adaption strategies'	20.10.2015
Sudhir Kumar	Scientist G NIH, Roorkee	Visited for signing MOU with NIH., Roorkee & NITK and given a expert lecture on Groundwater Management – Role of isotopes	20.10.2015
B.Venkatesh	Scientist F NIH, Belgaum	Visited for signing MOU with NIH., Roorkee & NITK and given a expert lecture on Assessing the climate change impact on basin hydrologic response	20.10.2015
Mathew K. Jose	Scientist D, NIH, Belgaum	Visited for signing MOU with NIH., Roorkee & NITK and given a expert lecture on Consequences of changing climate conditions on hydrological systems and options for adaption	20.10.2015
V. Sundar,	Professor IIT Chennai	Delegate for TEQIP Sponsored workshop and given a talk on Coastal Protection along the coasts affected by Tsunami 2004	02.11.2015
N. P. Kurian	Head CESS, Thiruvananthapuram	Delegate for TEQIP Sponsored workshop and given a talk on Propagation of the 2004 Tsunami in the S.E Arabian Sea (seas) and Inundation along Lakshadweep and Kerala Coasts of India	02.11.2015

K.V. Jayakumar	Executive Director CWRDM, Calicut	Delegate for TEQIP Sponsored workshop and given a talk on Tsunami Mitigation Measures –Soft Option Viability	02.11.2015
B.K.Purandara	Scientist E	Visited for Viva-voce exam and Interacted with faculty and students of the Dept	02.11.2015
Mohan Kumar	Professor IISc., Bangalore	As a expert for Workshop on ‘Research Scholars Day, and lecture series on ‘Scientific Research-Hurdles and solutions’ and given a talk on ‘ Research Approaches – Methodology and Challenges’	20.11.2015
S.A. Sanasiraj	Professor Ocean Department IIT Madras	As a expert for Workshop on ‘Research Scholars Day, and lecture series on ‘Scientific Research-Hurdles and solutions’ and given a talk on How difficult is the problem of scientific research	20.11.2015
D.Nagesh Kumar	Professor IISc., Bangalore	As a expert for Workshop on ‘Research Scholars Day, and lecture series on ‘Overview of research and literature review in WR’	20.11.2015
Vijayanand Gurudev	Mysore	As a expert for Workshop on ‘Research Scholars Day, and lecture series on ‘Application of ICT in Research’	20.11.2015
R.Srinivasan	Professor Dept. of Management Studies, IISc, Bangalore	Visited for Viva-voce exam and Interacted with faculty and students of the Dept	24.12.2015
Arun Kamath	Post Doctoral Marine Civil Engineering Dept. of Civil & Transport Engineering University of Science of Technology (NTNU), Norway	Visited the department and given a talk on ‘Possibility & Challenges of applying CFD in Coastal Engineering Division’	14.01.2016
J.Dattatri	Retd. Professor, NITK	Visited and given a guest lecture titled ‘Interlinking of rivers : A reality check’ and ‘ Ocean Wave characteristics off Mangalore coast : 50 years of research at KREC/NITK’	17.03.2016 & 18.03.2016
M.Y. Putty	Professor, Dept., of Civil Engg., NIE Mysore	Visited and given a guest lecture titled ‘Significances of Unit Hydrograph’ and ‘Importance of field data in Hydrological modelling’	17.03.2016 & 18.03.2016

Department of Chemical Engineering

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

Type Of Event	Name Of Event	Dates & Duration	Sponsor(S)	Corodinator(S)
Prof. M.G. Subba Rau Lecture Series 2015	Special Lecture	One Day On 21.04.2015	NITK, Surathkal	Vidya Shetty K., Ph.D. HOD, Chemical Engg.
Golden Jubilee Celebration	International Conference On Advances In Chemical Engineering 2015(ICACE-2015)	3 Days On December 20.12.2015 to 22.12.2015	TEQIP, Alumnni Of Chemical Engg. Dept., Industries Like, MRPL, BASF, MCF	Dr/ G. Srinikethanthree Days - Vidya Shetty K., Ph.D. And Raj Mohan B., Ph.D. And All Faculty & Staff Involved

Foreign Visitors to Department

Name Of Visitor	Designation & Affiliation	Purpose Of Visit	Dates Of Visit
Dr. Piet Lens,	Professor Of Environmental Biotechnology At The Pollution Prevention And Resource Recovery Chair Group Of The Department Of Environmental Engineering And Water Technology Of UNESCO-IHE, Delft, Netherlands	To Deliver Special Lecture On Biological Waste To Energy For M.Tech. And Ph.D. Students Of Chemical Engg.	24.12.2015
Prof. Govind Rao	University Of Maryland, Baltimore County, USA	To Deliver Key Note Address during ICACE-2015. "Disruptive Innovation For The Coming Healthcare Revolution".	21.12.2015
Prof. Murugesan,	Universiti Teknologi PETRONAS, Malaysia	To Deliver Key Note Address during ICACE-2015. Applications Of Carbon Nanotubes In Separation Technology - An Overview	22.12.2015
Dr. Radhakrishnan Srinivasan	Mississippi State University, USA	To Deliver Key Note Address during ICACE-2015. Physical Methods For To Deliver	22.12.2015

		Key Note Address during ICACE-2015.Fibre Separation From Corn Flour	
Prof. Piet Lens	UNESCO-IHE, AX Delft, Netherlands	To Deliver Key Note Address during ICACE-2015 .Environmental Biotechnology for Sustainable Development: Waste To Energy, Green Mining And Wastewater Reuse In The City Of The Future	22.12.2015
Dr. Praveen Vadlani	Kansas State University, USA	To Deliver Key Note Address During ICACE-2015.Sustainable Biochemical Platform For Biobased Products	22.12.2015

Indian Visitors to Department

Name Of Visitor	Designation & Affiliation	Purpose Of Visit	Dates Of Visit
Prof. Vijay M. Naik,,	Professor (Adjunct), IIT, Bombay And Former Vice President, Corporate Research, Unilever Research India	To Deliver Special Lecture On Whither Chemical Engineering – The Journey Ahead	21.04.2015.
Prof. V. V. Ranade	Chemical Engineering & Process Development Division, National Chemical Laboratory, Pune, India	To Deliver Key Note Address During ICACE-2015.MAGIC Processes And Plants For Fine And Specialty Chemicals	21.12.2015
Prof. Chidambaram	Indian Institute Of Technology, Madras	To Deliver Key Note Address During ICACE-2015.PID Controllers Tuning For Unstable Multivariable Systems	21.12.2015
Dr. R. R. Sonde	Executive Vice President, Thermax Limited, Pune	To Deliver Key Note Address During ICACE-2015.Defining Role Of Chemical Engineering Science In Emerging Clean Energy Technologies	21.12.2015

Department of Civil Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of event	Name of event	Dates & Duration (DD/MM/YY)	Sponsor(s)	Coordinator
Workshop	Rheo-Tribology	10.02.2016 1 Day	M/s Anton Paar India Pvt. Ltd., Gurgaon, India	Suresha S. N., Ph.D.
Workshop	Recent Trends in Piling and Ground Improvement	31.07.2015 and 01.08.2016 2 Days	TEQIP-II, NITK (supported by Simplex Piles India)	Sunil B.M., Ph.D.
STTP	Structural Construction in B. C. Soil, Hard Soil, Rock & Quality Management	04.01.2016 to 08.01.2016 5 Days	Karnataka Engineering Research Station, Mysore	R.Shivashankar, Ph.D.
Workshop	Action Plan for Sanitation	17.03.2016 to 18.03.2016 2 Days	NITK	S. Shrihari, Ph.D.

Foreign Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit (DD/MM/YY)
Dr. Kartik S. Pondicherry	Product Specialist-Tribology, Anton Paar GmbH, Austria.	Resource Person for the Workshop	10.02.2016
Dr. Akio Nagayama	Assistant Professor (Coastal Engineering), Kagoshima University, Japan	Research Interaction	01.02.2016 to 04.02.2016
Dr. Dhruva Narayan Katapadi	Post-Doctoral Fellow (Concrete Engineering), Kagoshima University, Japan	Research Interaction	01.02.2016 to 04.02.2016
Mr. Kei Kosaihora	Master's Student Kagoshima University, Japan	Research Interaction	01.02.2016 to 04.02.2016
Mr. Masamoto Horita	Master's Student Kagoshima University, Japan	Research Interaction	01.02.2016 to 04.02.2016

Indian Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit (DD/MM/YY)
Mr. Pawan Kumar [MS (Virginia Tech) NITK (CED) Alumni]	ARUP Consultants USA	Talk on Recent Developments & Practices in Civil/ Geotechnical Engg.in the US	28.10.2015

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-2015)"	08.06.2015 to 10.06.2015	TEQIP-II	B.R.Chandavarkar, Ph.D. Mohit P Tahiliani, Ph.D.
Expert Lecture	"Cloud Computing" by Dr. Rahul Ghosh and Dr. Tridib Mukherjee, Xerox Research Center (India), Bangalore	25.07.2015 to 26.07.2015		K. Chandrasekaran, Ph.D.
Expert Lecture	"Advanced Data Structure" and "Advanced Computer Architecture" by Dr. Ansuman Banerjee, Xerox Research Center (India), Bangalore.	25.07.2015 to 26.07.2015		K. Chandrasekaran, Ph.D.
Expert Lecture	"Heterogeneous Computing-Research Problems" by Prof. Matthew Jacob Thazhuthaveetil, Professor, Indian Institute of Science Bangalore	30.07.2015		Basavaraj Talawar, Ph.D.
IBM Day	IBM day	19.08.2015		K. Chandrasekaran, Ph.D.
Expert Lecture	"Cloud Computing", by Dr. Praveen Jayachandran, IBM, Bangalore	01.09.2015		Annappa, , Ph.D.
Special lecture	Dr. Ansuman Banerjee, Xerox Research Labs	19.09.2015 to 20.09.2015		K. Chandrasekaran, Ph.D.
Special lectures	Prof. P K Das, Jadavpur University, Prof. Atal Chaudhary, Jadavpur University and Prof. Aditya Bagchi, ISI Kolkata	21.09.2015 to 24.09.2015		Annappa, Ph.D.
Special Lecture	Dr. V. Vijayakumar, Dean, Anurag Group of Institutions on "Research issues in Image Processing and Analytics",	26.09.2015		K. Chandrasekaran, Ph.D.

Type of Event	Name of Event	Dates & Duration	Sponsor (s)	Coordinator(s)
	Dr. Krishna V, Professor, Anurag Group of Institutions on “Research Directions in Networking”, and Dr. Easwara Reddy, Vice Principal, JNTUA College of Engineering, Anantapuram on “Data Visualization”			
Expert Lecture	"Introduction to Openstack and its Adaptation in IT Industry", by Mr.Ranjith Kumar N., Staff Software Engineer, EMC2 (NITK M.Tech. CSE Alumni, 2000 batch)	23.10.2015		Annappa, Ph.D.
Talk	“Dynamic Graph Algorithms”, by Dr. Sayan Bhattacharya, Faculty in Institute of Mathematical Sciences, Chennai	23.10.2015		K. Chandrasekaran, Ph.D.
National workshop	“Cryptography, Applications and foundations of Data Science,	26.10.2015 to 3.10.2015	NIT - Surathkal and NIT – Goa	Alwyn Roshan Pais, Ph.D.
Special lecture	“Art of innovation”, Prof. Prakash Sai L, IIT Madras	29.10.2015		K. Chandrasekaran, Ph.D.
Talk	“Trends in Internet of Things and the Business Impact”, by Mr. Reguraman Ayyaswamy, Vice President, Engg Services, Tata Consultancy Services	31.12.2015		P. Santhi Thilagam, Ph.D.
Expert Lecture	Dr. Aravind Hanasoge, Wolfram Inc. USA, gave an on "Mathematica”	11.02.2016		Mrs. Vani M. Jeny Rajan, Ph.D.
Expert Lecture	Padma Bhushan Prof. B.M Hegde (former VC Manipal University) delivered on “Soft Skills for Research	29.02.2016		Alwyn Roshan Pais, Ph.D.
special lectures	“Data Science”, by Mr. Vijay Nadadur , CEO of stride.ai, Bangalore	08.02.2016 to 10.02.2016		Annappa, Ph.D.
Talk	“Parallel Graph Algorithms”, byDr. Rupesh Nasre, CSE, IIT Madras	27.02.2016		Basavaraj Talawar, Ph.D.
Talk	Deep Neural Networks on Heterogeneous Parallel	12.03.2016		Basavaraj Talawar, Ph.D.

Type of Event	Name of Event	Dates & Duration	Sponsor (s)	Coordinator(s)
	Processors”, by Dr. Prakash Raghavendra, Hewlett-Packard Enterprise Ltd., Bangalore			
expert lecture	Information Security”, by Prof. Ramki Thurimella, Professor & Chair, University of Denver	14.03.2016		Alwyn Roshan Pais, Ph.D.
Talk	“Research Directions and Opportunities in Knowledge Engineering/ Knowledge Management”, by Prof. Uden Lorna, Staffordshire University, United Kingdom	26.03.2016 to 28.03.2016		K. Chandrasekaran, Ph.D.

Foreign Visitors to Department:

Name of the Visitor	Designation & Affiliation	Purpose of visit	Date of Visit
Dr. Aravind Hanasoge	Wolfram Inc. USA	Expert Lecture on "Mathematica"	11.02.2016
Prof. Uden Lorna	Professor, Staffordshire University, United Kingdom	A talk on “Research Directions and Opportunities in Knowledge Engineering/ Knowledge Management”	26.03.2016 to 28.03.2016

Department of Chemistry

Foreign Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit (DD/MM/YY)
Dr. Shashishekar P. Adiga, M.E, Ph.D.	Senior Scientist, Lockheed Martin Advanced Technology Laboratory, Cherry Hill, NJ, USA	Delivered a lecture on “Computational modeling of materials for printed electronics” and Interaction with PG and Ph.D. students	23.04.2015

Department of Electronics And Communication Engineering

Type of Event	Name of Event	Dates & Duration	Sponsor	Coordinator (s)
Workshop	Parallel Programming Concepts for Research Applications	11.04.2015	Calligo Technologies	Muralidhar Kulkarni, Ph.D.
Speaker Programme	IEEE AP-S Region10 Distinguished Speaker Programme	13.04.2015	NITK Surathkal in association with IEEE Bangalore APS-MTTS Joint Chapter	P Srihari, Ph.D.
Seminar	Nano-Electronics & Sensors	16.04.2015	ECE Dept.	M S Bhat, Ph.D.
Project EXPO	B.Tech Major Project EXPO 2015	18.04.2015	ECE Dept.	M R Arulalan, Ph.D.
Short Course	Mathematical Morphology and its applications in Image Processing	14.07.2015 to 25.07.2015	TEQIP II	Sumam David, Ph.D. Deepu Vijayasenan, Ph.D.
Inaugural Function Academic and Research Program	Inaugural Function of Industry Interaction to review Academic and Research Program of the Dept. of E&C Engg., Review of Academic and Research Program of the Dept. of E&C Engg	13.07.2014 to 14.07.2015	ECE Dept.	M S Bhat, Ph.D.
Seminar	Emotional Engineer	22.09.2015	ECE Dept.	M S Bhat, Ph.D.
Seminar	The Connection Problem	23.09.2015	ECE Dept.	M S Bhat, Ph.D.
Seminar	Graphene Based On-chip Interconnects and TSVs – Prospects and Challenges	28.09.2015	ECE Dept.	M S Bhat, Ph.D.
Seminar	A Quest for First Information Computing Machine (ICM) in India	28.09.2015	ECE Dept.	M S Bhat, Ph.D.
Short Course	EM Theory	8.10.2015	ECE Dept.	M S Bhat, Ph.D.
Seminar	Next Generation	30.12.2015	ECE Dept.	M S Bhat,

	Telecommunication Systems – Key Challenges and Opportunities			Ph.D.
Seminar	3D AUDIO – State-of-the-art and its Future	5.01.2016	ECE Dept.	M S Bhat, Ph.D.
Seminar	1) A Brief Insight into Grad School Admissions in US 2) Direct optical detection of spin-Hall effect in metals	6.01.2016	ECE Dept.	M S Bhat, Ph.D.
Workshop	COMSOL Workshop for Electrical Applications	8.01.2016	ECE Dept.	M S Bhat, Ph.D.
Short Course	Internet of Things (IoT)	18.01.2016 to 22.01.2016	GIAN (MHRD)	U Sripati, Ph.D.
Workshop	Identifying and Protecting IPR in Academia	27.01.2016	ECE Dept.	M S Bhat, Ph.D.
Seminar	Electronic Circuit Design & Simulation	29.01.2016	ECE Dept.	M S Bhat, Ph.D.
Expert Lecture	Electromagnetics and Radiating Systems	5.02.2016	ECE Dept.	M S Bhat, Ph.D.
Special Lecture	Pattinam and Lost port of Muziris: Rediscovering Globalization in India more than 2000 years back	23.02.2016	ECE Dept.	M S Bhat, Ph.D.
Workshop	Visual TCAD	29.02.2016	ECE Dept.	M S Bhat, Ph.D.
Lecture	Subspace Techniques and Applications in Face Recognition	4.03.2016	ECE Dept.	M S Bhat, Ph.D.
Research Interaction	Artificial Intelligence (AI), Adaptive Signal processing and its applications to Communication and Control	11.03.2016 to 13.03.2016	TEQIP-II	A Chaturvedi, Ph.D. P Srihari, Ph.D.
Expert lecture	Kalman Filter and Its Applications	16.3.2016	ECE Dept.	M S Bhat, Ph.D.
Expert Lecture	Antennas for airborne applications	5.02.2016	TEQIP-II	P. Sriharu, Ph.D.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof. Michel Kocher	Centre d'Imagerie BioMédicale (CIBM) Genève, Switzerland	Short Course on Mathematical Morphology and its applications in Image Processing	14.07.2015 to 25.7.2015
Prof. Prahlad Vadakkepat	Associate Professor Electrical & Computer Engineering, NUS Singapore as part of the IEEE activity	Seminar on Emotional Engineer	22.09.2015
Dr. Krishna Shenai	Vice President, LoPel Corporation, Illinois, & Adjunct Professor, EECS, Northwestern University, USA	Seminar on Next Generation Telecommunication Systems – Key Challenges and Opportunities	30.12.2015
Dr Kaushik Sundar	McGill University, Canada (BTech/EE 2011, NITK)	Seminar on 3D AUDIO – State-of-the-art and its Future	5.01.016
Dr. Krish Prabhu	CTO of AT&T Inc., USA.	GIAN Sponsored Short Course on Internet of Things (IoT)	18.1.2016 to 22.1.2016
Dr. Venkat Ajjanagadde	President QuaSci Labs LLC , USA & Alumnus of EC Dept, NITK Surathkal	Seminar on Electronic Circuit Design & Simulation	29.01.2016
Dr. T. Kirubarajan (Kiruba)	B.A., M.A. (Cambridge, UK), M.S., Ph.D. (Connecticut, USA) Distinguished Engineering Professor and Canada Research Chair in Information Fusion Professor and Associate Chair for Graduate Studies Electrical and Computer Engineering Department McMaster University Canada	Expert lecture on Kalman Filter and Its Applications	16.03.2016

Indian Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Dr. P.H. Rao	SAMEER - Centre for Electromagnetics, Chennai	IEEE AP-S Region10 Distinguished Speaker Programme	13.04.2015
Dr. K.J. Vinoy	Indian Institute of Science, Bangalore		
Prof. Navakant Bhat	Dept. of ECE, IISc, Bangalore	Guest lecture on Nano-Electronics & Sensors	16.04.2015

Prof. P. Subbanna Bhat	Technical Consultant, Sankalp Semiconductors	Inaugural Function of Industry Interaction to review Academic and Research Program of the Dept. of E&C Engg. Review of Academic and Research Program of the Dept. of E&C Engg.	13.07.2015 to 14.07.2015
Dr. Ashok Rao	Freelance Consultant		
Dr. Narasimha B. Bhat	Founder CEO, Manipal dotnet		
Dr Narasimha B. Bhat	Founder & CEO, Manipal dotnet	Guest lecture on The Connection Problem	23.09.2015
Dr. Brajesh Kumar Kaushik	Associate Professor IIT, Roorkee	Guest lecture on Graphene Based On-chip Interconnects and TSVs- Prospects and Challenges	28.09.2015
Prof P. Subbanna Bhat	Technical Consultant Sankalp Semiconductor Ltd. Hubli	Workshop on EM Theory	8.10.2015 to 12.10.2015
Mr. Akshay Patabhi	BTech/EC 2014, NITK	Guest lectures on 1) A Brief Insight into Grad School Admissions in US 2) Direct optical detection of spin-Hall effect in metals	6.01.2016
Ashwin S. Mecheri,	COMSOL	COMSOL Workshop for Electrical Applications	8.01.2016
Mr. Omprakash	Director, M/s Om Patent Services Pvt. Ltd., Bangalore	Workshop on Identifying and Protecting IPR in Academia	27.01.2016
Dr. P. H. Rao,	SAMEER, Chennai	Expert Lecture on Electromagnetics and Radiating Systems	5.02.2016
Dr. Ashok Rao	Scientist, Traveler and Engineer Former Head, Network Project, CEDT, IISc, Bangalore Visiting faculty at 5 IIMs	Special Lectures on 1. Pattinam and Lost port of Muziris: Rediscovering Globalization in India more than 2000 years back 2. Subspace Techniques and Applications in Face Recognition	23.02.2016 4.03.2016
Prof. M. Chakrabarti Prof. G Panda		Workshop on Artificial Intelligence (AI), Adaptive Signal processing and its applications to Communication and Control	11.03.2016 to 13.3.2016

Department of School of Management

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
1. Special Lecture	MY EXPERIENCES IN LIFE By Mr. Bhupal Gopala President of Global NITK Alumni Association , Surathkal	07.08.2015	NITK, Surathkal	A.H.Sequeira, Ph.D.
2. Special Lecture	Modern Methodologies in management of Industrial Safety & Workers Health By Mr. C. Gnana Sekara Baburao [Director of Industrial Safety and Health Tamil Nadu (DISH) / Chairman for the National Safety council Tamil Nadu Division]	07.08.2015	NITK, Surathkal	A.H.Sequeira, Ph.D.
Special lecture	'Intellectual Property Rights ' - by Prof. Sudir Jain, IIT Delhi	24.08.2015	NITK, Surathkal	A.H.Sequeira, Ph.D.
Special lecture	'Arbitration-A necessary tool for Indian businesses' by Mr. Nihal D'Souza , Advocate	17.08.2015	NITK, Surathkal	A.H.Sequeira, Ph.D.
Panel discussion	“NHRD Connect Program” •Prabodh Sirur, Vice President - HR at Manipal Technologies Ltd. •JoyDevasia's, Location Leader and BPO -Lead &AVP .Delivery at Mphasis •Vidyaranya Kollipal, HR Leader – Mphasis. •Mr. Bhaskar Chickanjundappa –	Saturday, August 29 2015 -half day	MBA HR (Team HR for You) club	Mr. Mrinal

	Co-Founder & Managing Director at i-Point Consulting Services Pvt. Ltd			
Seminar	Creating Wealth Through Knowledge by SHRADDHA SALVI	21.09.2015	Lotus Knowlwealth	Suprabha, Ph.D.
Workshop	“Challenges in Banking and Capital Markets”	24.09.2015	NITK	Mr. Anil Kumar & Mr. Shridev
Workshop	“Cyber Security and Risk Mitigation Frame work”	30.09.2015	NITK	DR. Sreejith
Special Lecture	“Managerial Decision making under certain environment”	15.10.2015	NITK	A.H.Sequeira, Ph.D.
Special Lecture	“Startup in IT sector scope and challenges”	20.10.2015	NITK	MBA CR
Workshop	“Services Marketing and Persuasive Communication to B2B Customers”	21.12.2015	NITK, Surathkal	Savita Bhat, Ph.D.
Special Lecture	Qualitative research and its relevance	11.3.2016	NITK, Surathkal	K.B.Kiran, Ph.D.
Special lecture	Public speaking in corporate life	5.2.2016	NITK, Surathkal	MBA CR
Special lecture	Key account management in industrial marketing	24.3.2016	NITK, Surathkal	MBA CR
Workshop	“Big Data Analysis”	1.04.2016 to 2.4.2016	NITK, Surathkal	Pradyot Ranjan Jena, Ph.D.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof. .Jay P. Mulki	Professor Renfro Fellow, Marketing Group, D'Amore-McKim School of Business, Northeastern University, Boston, Massachusetts	Workshop	21.12.2015

Department of Mathematical & Computational Sciences

Type of event	Name of event	Dates & Duration (DD/MM/YY)	Sponsor (s)	Co-ordinator
Workshop	Two day workshop on Linux and FOSS (Free and Open source Software)	9.5.2015 to 10.5.2015	TEQIP-II, NITK Surathkal	Pushparaj Shetty, Ph.D. P. Jidesh, Ph.D.
Workshop	One day workshop on Cyberspace security	17.10.2015	Institute fund: NITK Surathkal	Pushparaj Shetty, , Ph.D. P. Jidesh, Ph.D.
Workshop	Topological Dynamics	10.12.2015 to 12.12.2015	NBHM	V. Murugan, Ph.D. and P. Sam Johnson, Ph.D.

Indian Visitors to Department

Name of visitor	Designation & Affiliation	Purpose of visit	Dates of visit
Santhanam G.	Professor, Department of Mathematics, IIT Kanpur	Gave a talk "An Introduction to Geometric Analysis"	15.12.2015 to 16.12.2015
Vinayak Sholapurkar	Professor, Department of Mathematics, Sri Parshurambhau College, Pune	Gave a talk on "Differential Forms"	23.1.2016 to 24.1.2016
Kiran Kumar V.B.	Assistant Professor, Department of Mathematics, Cochin University of Science and Technology,	Gave a talk on "Korovkin-type Theorems"	25.02.2016
M.V. Padmini	Professor and Head, Departments of CSE and ISE	Gave talks entitled "Qualitative Research and its Relevance" and "Secure Communication over the Insecure Internet"	11.03.2016

Department of Information Technology

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Workshop	Research Issues In Green Cloud Computing	18.06.2015 to 20.06.2015	TEQIP-II	G. Ram Mohana Reddy, Ph.D.
Workshop	Human Centered Computing: Tools and	25.06.2015 to	TEQIP-II	G. Ram Mohana Re

	Applications	27.06.2015		ddy, Ph.D.
Workshop	Intel HPC Code Modernization (Parallelization)	07.11.2015	IT Dept. NITK	Geetha V, Ph.D.
Workshop	Containers Technology	18.03.2016	NITK	Ananthanarayana V, Ph.D. S Mr. Dinesh Naik
Expert Lecture	Software Project Management	03.08.2015	IT Dept. NITK	Ananthanarayana V S, Ph.D.
Expert Lecture	Technical Writing	11.01.2016	TEQIP-II	Ananthanarayana V S, Ph.D. Mr. Dinesh Naik
Project Exhibition	IT-ProFest 2015	13.4.2015	IT Dept. NITK	Geetha V, Ph.D.

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof. Raghav Gowda	Professor, University of Dayton, Ohio, USA	Research Interaction	14.05.2015
Mr. Jeffrey	Motorolo, Chikago, USA	Research Interaction	29.12.2015
Mr. Srivatsa S Bhat, (2011 Batch B.Tech (IT) graduate)	Pursuing Ph.D at Massachusetts Institute of Technology (MIT), Boston, USA	Alumni Interaction	22.01.2016

Indian Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Dr. Soumya Kanti Ghosh	Professor, IIT, Kharagpur, India	External Examiner for PhD Viva Exam	07.05.2015
Dr. Gopal Pingali	Executive Director, IBM Global Cloud, Bangalore	SpeakerWorkshop on "Research Issues In Green Cloud Computing"	20.06.2015
Mr. Neelesh Soni	Managing Director, Rhapsody Labs, Mumbai	Speaker Workshop on "Human Centered Computing: Tools & Applications"	25.06.2015
Mr. Sangamesh Banappa	Speaker, Wipro Infotech - HPC	SpeakerWorkshop on "Intel HPC Code Modernization"	07.11.2015
Ms. Kavitha Sai	Director, Business Analysis	Expert Lecture on "Technical Writing"	11.01.2016

Mr. George Cherian	Manager, Information Development		
Mr. Rishi Sood	Manager, Information Development		
Ms. Asha Venkat	Manager, Information Development		
Mr. Trini Thomas	Manager, Information Development		
Ms. Shubashree Shivananda	Manager, Information Development		
Mr. Krishna Kumar	Manager, Information Development		
Mr. Vidya Sakar	Engineering Manager at DELL	Speakers Workshop on "Containers Technology"	18.03.2016
Mr. Srinivas Gowda	Senior Software Engineer at DELL		
Mr. Deepak Kumar	Senior Software Engineer at DELL		
Mr. Sujith Pandel	Software Engineer at DELL		
Mr. Shivaprasad Katta	Senior Software Engineer at DELL		

Department Of Mechanical Engineering

STTPs/Schools/Conferences/Seminars/Workshops, etc

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
Conference	42nd National Conference on Fluid Mechanics and Fluid Power	14.12.2015 to 16.12.2015	TEQIP-II, TSI instruments,	RavikiranKadoli, Ph.D., Arun M, Ph.D. and Vijaykumar H, Ph.D.
Expert Lecture	Expert Lecture in the area of "Laser Processing of Materials for Biomedical Applications"	17.4.2015	Mechanical EnggDept/NITK	SrikanthBontha, Ph.D.
Expert Lecture	Expert Lectures (6) in the area of "Additive Manufacturing"	16.03.2016 to 19.03.2016	Mechanical EnggDept/NITK	SrikanthBontha, Ph.D.

Foreign visitors to Department

Name of the visitor	Designation and Affiliation	Purpose of visit	Date of visit
Dr. RamanaGrandhi	Professor, Wright State University, Dayton, Ohio, USA	Guest Lectures	27.08.2015
Prof.AleksandrZhilin	Professor, Dept. of Material Science, Ural Federal University,Russia	Expert Lecturer	12.11.2015 to 17.11.2015
Prof.FinkelsteinArkady	Professor, Dept. of Material Science, Ural Federal University,Russia	Expert Lecturer	13.11.2015 to 16.11.2015

Indian visitors to Department

Name of the visitor	Designation and Affiliation	Purpose of visit	Date of visit
Prof USP Shet	Retired Professor, IIT Madras	Expert Lecturer	08.02.2016 to 09.02.2016 and 05.10.2015
Dr. Ajoy Kumar Das	Associate Professor, NIT Agartala	Research Interaction	
Prof. Prasanna Kumar	Retired Professor, IIT Madras	Research Interaction	23.02.2015
Dr. Vamsi Krishna Balla	Senior Principal Scientist and Head, Bio ceramics and Coatings Division Central Glass and Ceramic Research Institute (CSIR-CGCRI)	Expert Lectures	17.4.2015 and March 16.03.2016 to 19.03.2016
DrPrasanna Gandhi	Professor, IIT Bombay	Expert Lecture	18.03.2016
ShriNagesh G	Engineer SE, ISRO	Expert Lecture	13.04.2016

Department of Mining Engineering

Int. Conf. on Global Challenges, Policy Frame work & Sustainable Development for Mining of Mineral and Fossil Fuel Energy Resources, 17-18 April, 2015, NITK, Surathkal, 303-311.

Chairman: Prof.M.Govinda Raj

Cordinators : Dr.Harsha Vardhan, and Dr.M.Aruna

Indian Visitors to Department:

Name of visitor	Designation and Affiliation	Purpose of visit	Dates of Visit
Prof.K.U.M Rao	IIT, Dept. of Mining Engineering,	For Academic Audit	22/09/2015
Prof.P.K Bhanik	Vice Chancellor A.K.S University Panna Road Sherganj, Satna, M.P	For Academic Audit	22.09.2015
Sri.Dhananjay G Reddy	General Manager M/s. P.Praveen Chandra ERM Group of Companies Bangalore	For Academic Audit	22.09.2015
Sri.B.P.Pandey	Vice President JSW (Bellary) S	Visited the Dept.to deliver expert lecture on "Recent Amendment in MM (R&D) Act and Mineral Conservation Rules.	31.01.2016

Department Of Metallurgical & Materials Engineering

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

Type of Event	Name of Event	Dates & Duration	Sponsor(s)	Coordinator(s)
International Symposium	Make in India – Role of Metals & Materials (MIRMM- 2015)	30.10.201 5 to 31.10.201 5, 2 days	Total 18 Numbers	Rajendra Udupa, Ph.D. – Chairman, A. O. Surendranathan, Ph.D. – Organizing Secretary, K. N. Prabhu, Ph.D.– Treasurer

Foreign Visitors to Department:

Name of Visitor	Designation & Affiliation	Purpose of visit	Date of visit
Dr. A. M. Shanmugaraj	Assistant Professor Kyung Hee University, Korea	Special Lecture	12.01.2016
Dr. K. V. Sudhakar	University of Montana, US	Technical Talk	07.08.2015

Special talk from Industries/R&D

Sl. No.	Name of the Guest	Topic	Date
1.	K. Chethan Executive Vice President & director Bharat Forge Limited, Pune	Zero defect zero effect – an enabler for make in India – some perspectives & roadmaps	31.10.2015

Department of Physics

Foreign Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Dr. Krish Prabhu	AT & T, USA	Special Lecture	20.01.2016

Indian Visitors to Department

Name of Visitor	Designation & Affiliation	Purpose of visit	Dates of Visit
Prof. Suresh Govindarajan	Professor, IIT Madras	Special Lecture	07.04.2015
Prof. K. Tyagarajan	Professor, IIT Delhi	Special Lecture	21.09.2015
Dr. Gopalkrishna Hegde	CeNSE, IISc., Bangalore	Special Lecture	22.01.2016
Dr. C H. Bhosale	Shivaji University, Kolhapur	Special Lecture	22.01.2016
Dr. M. V. Satyanarayana	IIT Madras	Special Lecture	03.03.2016
Harish Barshilia	CSIR – NAL, Bangalore	Special Lecture	14.03.2016

CONSULTANCY PROJECTS

Department of Applied Mechanics And Hydraulics

Name of consultancy job	Client	Name of investigators (s)	Consultancy amount (In Lakhs)
Consultancy towards report on sand mining in west flowing river in Udupi District	Deputy Director Sand Mining Committee DC Office Complex Udupi	S.G.Mayya	7.96

Department of Civil Engineering

Name of Consultancy Job	Client	Name of Investigator	Consultancy amount (In Lakhs)
Design of Pavement Quality Concrete using JSW GGBS	M/s Quality Polytech, Mangalore	Suresha S. N, Ph.D.	0.435
Design of bounded and unbounded pavement layer mixes	New Mangalore Port Trust, Mangalore	Suresha S. N, Ph.D.	1.228
Mix Design	Mr. K. Phlip D'Costa	Subhash C. Yaragal, Ph.D.	0.493

Mix Design	M/s. Naidu Construction Co.	Subhash C. Yaragal, Ph.D.	0.588
Mix Design & Water test	Eswari Global Metal Industries Pvt. Ltd.	C.Rajasekaran, Ph.D. B.B. Das	0.681
Soil testing for pavement design(Project: Construction of roads under NGNRY scheme (Part-3) Bhadravathi area Moodabidri area, thirthahalli area, Shmoga area, Bantwala area(D.K.- 2.15km)	Sri Vinayaka Consultants	A.U. Ravi Shankar, Ph.D. Sitaram Nayak, Ph.D.	1.316
Soil test	Mercator Limited	B.M. Sunil, Ph.D.	1.100
Granite test	M/s. Sukhdevraj Sharma Engineers & Contractors Pvt.	Subhash C. Yaragal, Ph.D.	0.855
Soil test report (Site: Ullal)	Coastal Projection & Management Investment	B.M. Sunil, Ph.D.	0.488
Soil testing for pavement design [Project: Construction of roads under NGNRY Phase III Scheme (Report 3&4)]	M/s. Kiran Consultant, Mysore	A.U. Ravi Shankar, Ph.D. Sitaram Nayak, Ph.D.	1.558
Soil test report/ blending	ACE Pipeline Contracts Pvt. Ltd., HPCL pipe laying Project (Hassan)	Sitaram Nayak, Ph.D. R. Shivashankar, Ph.D.	1.00
Slope stability analyses and design of box culverts	Karnataka PWD, Irrigation Dept.	Sitaram Nayak, Ph.D. R. Shivashankar, Ph.D.	2.00
Mix design of close Graded Granular Sub Base Material for Grading II	M/s. Seethalaxmi Infra Developers, Kaup	A.U. Ravi Shankar, Ph.D. Suresha S.N. , Ph.D.	0.846
RUB by push box technology (Padil Railway Embankment)	New Mangalore Port Road Co. Ltd. (NHAI)	K. S. Babunarayan, Ph.D. R. Shivashankar, Ph.D. B. M. Sunil, Ph.D.	1.0

Department of Electronics And Communication Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy amount (In Lakhs)
Technical Consultancy for Selection of Currency Note Sorting Machines	Syndicate Bank	U Sripati, Ph.D. T Laxminidhi, Ph.D.	01.08.2015 ongoing	2.75 lakhs

Department of Electrical & Electronics Engineering

Name of Consultancy Job	Client	Name of investigators (s)	Consultancy amount (In Lakhs)
Studies on smart grid solution to distribution system monitoring & control through deployment smart meters and data analytics at NITK Campus	Robert Bosch Engineering and Business Solutions, Koramangala, Bangalore	Panduranga Vittal K. , Ph.D.	-
Studies of Voltage & frequency profile under Bus transfer conditions in multi machine environment.	ABB Global Industries and Services Ltd.,Bhoruka Tech Park, III Floor, Block 1, Mahadevapura, Whitefield Road, Bangalore	Panduranga Vittal K. , Ph.D.	-
Studies on E & H field analysis in a 760 kV EHV substation of L & T at Bara. The FEM based analysis is done at Electrical Department of NITK keeping in view International Guidelines related to effect of E-H fields on Human beings at Substations.	L & T Constructions Chennai.	G S Puneekar, Ph.D.	This was CTM-NITK-L&T pg-student project at NITK.

Department of Mining Engineering

Name of Consultancy Job	Client	Name of Investigator(s)	Period	Consultancy amount (In Lakhs)
Consultancy Project on controlled blasting	Bangalore Metro Railway Corporation LTD. K.H.Road,Shanthi Nagar,Bangalore-560027	V.R Sastry, Ph.D.	01.04.2015 to 31.03.2016	2.00

Study for impact at ground Vibration caused due to Ground Vibration	Sri Sai Deepthi Power Pvt.Ltd. 111, Lalbagh Road,Bangalore	V.R Sastry, Ph.D.	01.04.2015 to 31.03.2016	1,68,540
Ground vibration monitoring study in Stone quarrey	The Dept. of Mines and Geology Govt.of Karnataka,Udupi Dist.	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	33,708
Counter survey using total station	The Dept. of Mines and Geology Govt.of Karnataka,Udupi Dist.	M.Aruna, Ph.D. &Harshavardhan, Ph.D.	01.04.2015 to 31.03.2016	22,41,735
Consultancy work for carrying at sub soil investigation to access capital dredging at Breth-18	M/s. Mangalore Port Trust, Panambur, Mangalore	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	6,09,900
Scientific study for blast operations in Chattapalli Lime Stone	The Director, My home Industries Pvt.Ltd., Madhapur, Hyderabad	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	8,14,488
Ground Vibration Study in Stone Qurrey	Sri K Dadharath D.K.Associates No.630, Krishna Rice Mill Road Chamaraj Mohalla	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	85,500
Slope stability Analysis	The General Manager, KIOM NMDC Ltd.Donimalai	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	2,05,200
Assessment of excavation of laterite at village of Bicholim, GOA	M/s. Jayalakshmi Rajebhosale Plot No. 114, PDA Colony Goa	M.Aruna, Ph.D.	01.04.2015 to 31.03.2016	1,14,000
Scientific study for suitable method of blasting	The General Manager M/s. Singareni Colleries Co.Ltd. Kotthgudem-507101	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	5,14,750=00
Consultancy work for capital dredging at Breth-18	M/s. Mangalore Port Trust, Panambur, Mangalore	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	5,15,250
Ground vibration-Blasting study	M/s. Prasanna Shetty Shivapur Village Udupi	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	85,875
Slope Stability Analysis	Veerabhadrappa Sangappa &Co	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	1,14,500

Blast Design for Rock Excavation	P.Venkat Ramanaiah &Co Flat no. 702, Sathyam Apartment Opp. Land Mark, Dhantoli, Warden Road, Nagpur-12	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	1,71,750
Ground Vibration Study	Stone Quarrey Doddamavathar Village Tumkur	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	85,875
Ground vibration caused by Tunnel blasting Impact on railway line	M/s. Maruthi Power Gen India Ltd. Rae course Road Bangalore-01	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	1,71,750
Study of Impact of Ground Vibrations Caused due to Blasting	Sri Dinesh Shetty Quarrey Owner Udupi	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	85,875
Bhairava Stone Crushes Dilip Kumar Properties Tumkur Dist.	Study of blast vibrations in Bhairava Stone Qurrey, Tumkur Dist.	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	85,875
Ground Vibration Study	Smt.Vimala Shetty Quarrey Owner Hosur TQ, Udupi	V.R.Sastry, Ph.D.	01.04.2015 to 31.03.2016	85,875

15 HUMAN RESOURCE DEVELOPMENT

15.1 TRAINING STATUS

Department of Civil Engineering

Name of faculty & staff	Title of Training programme	Organization	Dates & Duration of Training (DD/MM/YY)
Mr. Nataraja R.	Professional Development Programme on "Testing of Civil Engineering Materials"	Engineering Staff College of India, Hyderabad.	04.08.2015 to 07.08.2015

Department of Electrical & Electronics Engineering

Name of faculty & Staff	Title of Training programme	Organisation	Dates & Duration of Training (DD/MM/YY) to
Nagendrappa H.	GIAN-Short term course on "power converters for alternate energy sources"	NIT- Goa	21.03.2016 to 01.04.2016

Department of Electronics & Communication Engineering

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Dr. Aparna P.	Faculty Development Workshop on Hands-on Digital Signal Processing (DSP) Teaching	ARM University Program in Hyderabad	20-21, May 2015

Department of Mechanical Engineering

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
Dr. Srikanth Bontha	Interface Related Mechanical Behavior of Materials	Indian Institute of Science (IISC)	November 27-28, 2015

Department of Physics

Name of faculty/staff	Title of training program	Organization	Dates & Duration of training
G. Ram Mohana Reddy, Ph.D.	One Day Workshop on Mission Skill Development:	NITK Surathkal	21.08.2015

	Synergy with Technical Education System		
	One day Workshop on Bosch Day (Ideation Workshop) in association with M/s Robert Bosch Engineering & Business Solutions (RBEI)	NITK Surathkal	24.08.2015.
	One Day Workshop on Mission Make in India: Synergy with Technical Education System	NITK Surathkal	3.10.2015
	Microsoft Sponsored One Day Workshop on Augment Human Capacity with Machine Intelligence Computing in the 21st Century	Tsinghua University, Beijing, China	28.10.2015
Ananthanarayana V S	One day workshop on Mission Skill Development: Synergy with Technical Education System	NITK Surathkal	21.08.2015
	One day workshop on "Trainers Workshop"	South Western Regional Office of AICTE, Bangalore	7.03.2016

PLACEMENT OF STAFF FOR ACADEMIC EXCELLENCE

Department Of Civil Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Shrihari, Ph.D.	Appointed as (National) Coordinator, Unnath Bharath Abhiyan - Theme "Sanitation" - An Initiative by MHRD, GOI and IIT Delhi. Member, BOS for School of Civil and Chemical Engineering (SCALE), VIT University, Vellore.
A.U.Ravi Shankar, Ph.D.	Received Bihar PWD Medal, presented at 76 th annual Session of Indian Roads Congress, Indore(M.P) on December 19, 2015.
Rajasekaran, Ph.D.	Received Golden Paper Award in the International Conference in 3i, held at Pondicherry University.
Raviraj, M. H, Ph.D.	Received an award by ASRTU for Best article (paper).

	Ph.D. selection member (interviews) for VTU Belgaum held in the month of October 2015.
R. Shivashankar, Ph.D.	Appointed as Guest Editor for a special issue on 'Geosynthetics', SEAGS-AGSSEA Journal: 2018 -2019. Selected as 'Conference Chair' for 10th International Symposium on Lowland Technology (ISLT2016), Academic Council Member of Basaveshwar Engg. College, Bagalkot. Faculty selection/promotion committee MIT Manipal Presented paper at the Intl Conf on Geotech. Engg. 2015 (ICGE2015) at Colombo, Sri Lanka, Aug.10-11, 2015 (Organized by SLGS, SIMSG and ISSMGE) Presented paper at the Intl Conf on Soft Ground Engg - ICSGE2015, at Singapore, 3-4 Dec 2015, [organized by NUS and the Geotech. Society of Singapore (GEOSS)]. Keynote speaker at the North-eastern States Geotechnical Congress 2016 (NE-GEOCONGRESS 2016) at NIT Agartala, Tripura, 22 January 2016

Department of Computer Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Santhi Thilagam , Ph.D.	Received the M.S.Ramanujan Memorial Lecture Award at the 30 th National Convention of Computer Engineers, The Institution of Engineers (India)
Mohit P. Tahiliani , Ph.D.	EMC young Achiever Award 2015, EMC Corporation

Department of Chemistry

Name of Staff/Faculty	Assignment/Recognition/Award
D. Krishna Bhat, Ph.D.	Appointed as Nodal Officer for Unnath Bharath Abhiyan@NITK
D. Krishna Bhat, Ph.D.	Invited to give a lecture and to Chair a session at 39th Annual Convention of Electrochemists organized by SAEST(Society for Advancement of Electrochemical Science and Technology) at NIT Trichy, during March 28-29, 2016.

Department of Electrical And Electronics Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Shubhanga K.N	The best paper award: E. Prasanthi and K. N. Shubhanga, "Performance Analysis of a Grid Connected DFIG for non-optimum Power Tracking", Proceedings of 12 th the IEEE India conference, INDICON-2015, held at Jamia Millia Islamia, New Delhi, INDIA, December, 17-20 th 2015. Prof. M Rashid best paper award: Shashidhar M.K and K. N. Shubhanga, "Design of a Subsynchronous Damping Controller Using a Dynamic Phasor Model of

	<p>TCSC”, Proceedings of the International conference on Power and Energy Systems: Towards Sustainable Energy (PESTSE) -2016, held at Bengaluru, INDIA, January, 21-23rd, 2016.</p> <p>The best paper award: Adharapurapu Hema Latha, Shashidhar M.K and Shubhanga K.N,"A toy model to understand Subsynchronous resonance and Real-time simulation of the model using RTAI-Linux", Proceedings of the International conference on Control, Instrumentation, Communication and Computational Technologies, ICCICCT-2015, held at Noorul Islam Centre, Kumaracoil, Tamilnadu, December, 18-19th, 2015.</p> <p>M.Tech. Project carried out by my student Ms. Prasanthi E won the POSOCO Power Systems Award (PPSA)- March, 2016, organized by Power System Operation Corporation Ltd (POSOCO) and Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi. She bagged 16th position.</p> <p>Ph.D. student Mr. Shashidhar M.K. won the POSOCO Power Systems Award (PPSA)- March, 2016, organized by Power System Operation Corporation Ltd (POSOCO) and Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi.</p>
Dattatraya N Goankar	Resident Engineer

Department of Electronics & Communication Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Prof. Muralidhar Kulkarni	Deputed as Officer on Special Duty to start operations and set up Indian Institute of Information Technology Dharwad during August 2015 to February 2016.
Dr. Rekha S.	Delivered a special lecture on "Analog Signal Processing" at STTP on "VLSI Signal Processing Systems - Design and implementation using Cadence" at LBS College of Engineering, Kasaragod on 1st March, 2016.

Department of Information Technology

Name of Staff/Faculty	Assignment/Recognition/Award
G. Ram Mohana Reddy	<p>Head, Information Technology Dept., NITK (Aug. 17, 2015 - Till Date).</p> <p>July 2015 - Marquis Who's Who has selected the Biographical Profile for inclusion in the Who's Who in the World 2016 of Marquis Who's Who (33rd Edition), USA</p> <p>April 2015 - Elected as Senior Member, Institution of Electrical/Electronics Engineers (USA)</p> <p>Visited <i>China during Oct. - Nov. 2015</i> to have Research Interaction with Professors of <i>Tsinghua University and Peking University, Beijing, China</i>. Also Visited Malaysia</p>

	<p>Delivered an Expert Lecture on "Novel Sentiment Analysis Based on Influence Factor Using Supervised Learning", IIS, Tsinghua University Beijing, China, November 3, 2015.</p> <p>Delivered an Expert Lecture on "How to Select B.Tech Computer Science & IT Major Projects", Alva's Institute of Engineering and Technology, Moodbidri, Mangalore, August 7, 2015.</p> <p>Delivered a Keynote Address on "Human Centered Computing: Tools, Applications and Trends", TEQIP 3-Day Workshop on HCC: Tools & Applications, NITK Surathkal, June 25-27, 2015.</p> <p>Delivered a Keynote Address on "Green Cloud Computing: Research Issues and Challenges", TEQIP 3-Day Workshop on Research Issues in Green Cloud Computing, NITK, June 18-20, 2015.</p>
<p>Ananthanarayana V S</p>	<p>Worked as Head of Information Technology department, NITK Surathkal from Aug, 2012 - Aug, 2015 (as regular head).</p> <p>Nominated as Departmental Curriculum Committee member of Computer Sc & Engg Department and Information Communication Technology Dept. of MIT, Manipal, 2015- 16.</p> <p>Curriculum committee member for IIIT-Dharwar, 2015.</p> <p>Academic Council member of NMAMIT, Nitte for 2015-16 and 2016-17</p> <p>Adhoc faculty selection committee member for Dept. of CSE, NIT Warangal on 23rd July 2015</p> <p>Examiner for evaluating MTech thesis of Computer Science & Engg discipline of NIT Warangal on 30th June and 1st July 2015</p> <p>DAAB Committee member for CSE Department of NITK, Surathkal for 2015-16.</p> <p>BOS - IT (UG & PG) member of Goa University, Goa, 2015</p> <p>BOS in Computer & Information Science member of Srinivas University, Mangalore, 2015</p> <p>Divisional (Computer Science & Engg) Executive Member of Institute of Engineers (India) [IE(I)] Mangalore Local Chapter, 2015.</p> <p>Technical Question paper setter - 2015 (Technical Knowledge Test) for the post of Asst. Engineer of Power Grid Corporation India Limited, New Delhi.</p> <p>Convener-Registration for the 13th Convocation of NITK, Nov 14, 2015.</p> <p>Nominated as member of expert committee to perform the academic review of Dept. of Computer Science & Engg, N.I.T. Calicut on 27th November 2015.</p> <p>Coordinator for the joint project between Dept. Of IT, NITK Surathkal, Dept. of Computer Science & Engg, Penn State University, USA and School of Science and Technology, Bosnia, during Aug - Nov, 2015.</p>

	<ol style="list-style-type: none"> 1. Project title: Centre County Office Services A Cyber Learning Project 2. Students: 5 from NITK Surathkal, 5 from PSU, 5 from Bosnia. 3. Duration: 4 Months. <p>Part of the elite panel of judges to evaluate the innovative products/ideas to be displayed by students & faculty of Manipal University on 19th December 2015 at the Innovation Centre, MIT Manipal.</p> <p>Advisor committee member for National Workshop on Recent Trends in Data Mining, 29 -30, January 2016, Central University Kerala, Kasargod.</p> <p>Conducted mock NBA accreditation of CSE and ISE discipline of NMAMIT, Nitte on 14th and 15th July, 2015</p> <p>Delivered Keynote Lecture on “Abstraction based Mining” in the National workshop on Latest Trends in Data Mining (LTDM - 2016) on 29 - 30, January 2016 at Central University of Kerala.</p> <p>Visited MIT Manipal as member of mock NBA inspection committee for CSE and IT disciplines on 6/2/2016.</p>
--	--

Department of Mining Engineering

Name of Faculty/ Staff	Assignment/ Recognition/Award
Dr.K.Ram Chandar	<ol style="list-style-type: none"> 1. “MEAI- Smt. Kiran Devi Singhal Memorial Award-2014” from Mining Engineers Association of India (received in July- 2015) 2. Member, Technical Committee under KTPP (Karnataka Transparency in Public Procurement) Act, 1999 under Sec-4(b), Mysore Minerals Limited (A Government of Karnataka Undertaking) 3. Consulting Editor, The Indian Mining & Engineering Journal, from Jan- 2016

Department of Metallurgical And Materials Engineering

Name of Staff/Faculty	Assignment/Recognition/Award
Dr. A. O. Surendranathan	Certificate of Reviewing’ from Journal of Natural Gas Science & Engineering
	BHARAT VIDYA SHIROMANI AWARD” and a “CERTIFICATE OF EDUCATION EXCELLENCE” by the International Institute of Education & Management, Delhi
	Name has been selected for inclusion of biographical note with photograph in the forthcoming volume of ‘Asia/ Pacific Who’s Who’ (Vol. XIV)
Dr. Anandhan Srinivasan	Marquis Who's Who in the World, 32nd Edition (2015)
	Invited lectures for the International Conference on 'Advancements in Polymeric Materials APM-2015', CIPET-

	Chennai and IISc, Bangalore, India, February 2015
	Invited lectures from Institution of Engineers (India) local centre meeting, Mangaluru, 23rd February 2016.
Dr. Kumkum Banerjee	Presented paper titled 'Microstructural modification in cold drawn high carbon steel wires using electropulsing' and received oral session prize at NMD ATM-2015 held at Coimbatore during 13-16 November 2015
	Attended a TEQIP workshop on Metallurgical & Materials Curriculum jointly organized by NIT Srinagar & IIT Kanpur during 8-9 October 2015 at MMED, NIT Srinagar.

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 2015-16 is a very successful year for the Dept. of Training & Placement. We had reasonably very good Placements and Training/Internship 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.

Performance Overview

1. 240 Companies visited NITK Surathkal for Campus Recruitments.
2. 71 Companies participated in the Placement process for the first time.
3. 837 students were placed – 576 B.Techns, 180 M.Techns, 54 MCAs, 22 MBAs, 3 MSc (Chemistry) and 2 MSc (Physics).

PLACEMENT DETAILS 2015 - 16

SL. NO.	NAME OF THE COMPANY	STUDENTS PLACED	PAY PACKAGE (Rs. in lakhs p.a.)	
			UG	PG
1	MICROSOFT, HYD	12	18	18
2	MYNTRA DESIGN, B'LORE	7	19.5	19.5
3	AMAZON, B'LORE	5	18.5	19
4	ADOBE SYSTEMS, B'LORE	3	20	-
5	CODE NATION, B'LORE	0	24	24
6	PRACTO TECH, B'LORE	4	20	20
7	BAJAJ AUTO, PUNE	4	7.6	-
8	DIRECTI, MUMBAI	1	14.32	14.32
9	VISA INC, BANGALORE	7	19.5	19.5
10	INTUIT, B'LORE	6	19.83	-
11	SAMSUNG R&D, B'LORE	14	16	16

12	MORGAN STANLEY, MUMBAI	5	13.4	13.98
13	TEXAS INSTRUMENTS, B'LORE	6	13.89	14.5
14	GOLDMAN SACHES, B'LORE	5	20	-
15	CISCO, B'LORE	8	14.14	15.09
16	DELL R&D, B'LORE	15	7.15	10.2
17	QUALCOMM, B'LORE	9	13.5	15.03
18	ROVI CORPORATION	2	15.15	15.15
19	NETAPP, B'LORE	2	11.07	14.14
20	INFOSYS, B'LORE	1	17	17
21	MARUTI SUZUKI, N DELHI	3	5.5	-
22	ORACLE, B'LORE	23	10	10
23	WOOQER S.W, B'LORE	3	13.08	13.08
24	AMERICAN EXPRESS	2	-	8.99
25	SANDISK, B'LORE	5	12.52	12.52
26	AVAYA INDIA, B'LORE	6	13.4	13.4
27	EDGE VERVE, B'LORE	1	17	-
28	CAPITAL ONE, B'LORE	2	11.98	11.98
29	THOROGOOD, B'LORE	4	11	11
30	FIDELITY, B'LORE	23	11.34	-
31	QUIKR.COM	6	10	-
32	ARYAKA NETWORKS, B'LORE	2	-	7
33	GROFERS INDIA, B'LORE	7	10	-
34	SANDVINE TECH, B'LORE	3	9	9
35	CARWALE.COM	2	7.5	-
36	COUPAN DUNIA	0	13	13
37	H U L, MUMBAI	2		
38	DE SHAW, HYDERABAD	2	20	-
39	CREDIT SUISSE, MUMBAI	4	9.78	-
40	J P MORGAN, MUMBAI	5	8.5	-
41	T V S MOTOR	1	4.21	-
42	FUTURES FIRST, B'LORE	2	9.2	9.2
43	NATIONAL INSTRUMENTS, B'LORE	2	10	10.97
44	Z S ASSOCIATES, PUNE	10	6.38	-
45	ITTIAM SYSTEMS, B'LORE	2	8.35	9.1
46	DR REDDYS LAB, HYDERABAD	3	7	-
47	RIVERBED TECH, B'LORE	2	-	12.9
48	IBM INDIA-ISDL, B'LORE	10	-	12
49	MU-SIGMA, B'LORE	3	4.5	-
50	DIEBOLD SYSTEMS, MUMBAI	3	8	-

51	AMADEUS S.W, B'LORE	0	8.02	-
52	SWIGGY (BUNDL TECH PVT LTD)	4	14	14
53	CITICORP SERVICES	14	13	13
54	RELIANCE INDS., MUMBAI	17	5.5	-
55	ROYAL BANK OF SCOTLAND	3	8.2	-
56	PHILIPS INNOVATION , B'LORE	3	6.5	-
57	CYPRESS SEMICONDUCTOR, B'LORE	2	-	10.64
58	CLICK LABS	1	7.2	-
59	TCS DIGITAL, B'LORE	2	6.3	6.88
60	ROBERT BOSCH, B'LORE	13	5	-
61	SIGMOID ANALYTICS, B'LORE	0	8	8
62	SABRE, B'LORE	3	8	-
63	WIPRO TECH, B'LORE	15	9	-
64	VERITY KNOWLEDGE, HYD	4	5.57	5.57
65	URBAN ONLINE	0	7	7
66	KNOLSKAPE	6	10	10
67	EXL SERVICES, B'LORE	4	5.25	-
68	REDBUS	6	6	6
69	ACCOLITE S.W., B'LORE	1	10.5	10.5
70	VIRTUSA CORPN, CHENNAI	9	5	3.3
71	PATH PARTNER TECH	4	5.5	5.5
72	GALE CREATIVE	1	8	8
73	3D PLM SOFTWARE, B'LORE	0	5	5.1
74	HALF TICK	2	6	6
75	mSUPPLY	6	7.5	7.5
76	INTELLECT DESIGN	0	Internship	
77	TEK SYSTEMS, B'LORE	1	6	-
78	SYMANTEC SOFTWARE, CHENNAI	0	8.98	-
79	PEPSICO, GURGAON	2	7.24	-
80	FORD MOTOR	11	5.5	6
81	ICT HEALTH TECH, B'LORE	3	6	6.6
82	DELOITTE, HYD	10	6.2	6.2
83	AFFINE ANALYTICS, B'LORE	4	6	6
84	INCTURE TECH	2	5	5
85	G E INDIA, B'LORE	4	-	9.25

86	SASKEN COMMUNICATIONS	1	-	8
87	WALMART LABS, B'LORE	5	18.57	19.27
88	SAP LAB, B'LORE	6	8.25	8.25
89	TCS, B'LORE	48	3.33	3.5
90	WELLS FARGO, HYD	5	8	-
91	SAPIENT, B'LORE	0	4.5	4.5
92	ALSTOM	10	5	5
93	SRF LTD	0	5	-
94	FIREEYE	4	10	-
95	IBM, B'LORE	7	3.15	3.47
96	SPAN INFOTECH	4	4.5	-
97	GENERAL MOTORS	3	6.5	-
98	ZOSTEL HOSPITALITY	0	7	-
99	SIEMENS TECH, B'LORE	3	5	5.5
100	TATA MOTORS, MUMBAI	10	6.15	-
101	AXIS BANK, MUMBAI	7	-	7.57
102	INFORMATICA, B'LORE	1	10.4	10.4
103	ONE CONVERGENCE, HYD	3	-	6.5
104	L&T CONST., CHENNAI	19	5.11	5.38
105	UTC, HYD	2	6.2	-
106	V E COMMERCIAL VEHICLES, CHENNAI	5	5	-
107	ACT PVT LTD, B'LORE	0	7	-
108	BMM ISPAT, BELLARY	3	3.6	-
109	09 SOLUTIONS, B'LORE	5	8	8
110	NESTLE INDIA,	2	6	-
111	INTEL TECHNOLOGY, B'LORE	7	8.15	12
112	HP R&D, B'LORE	2	10.5	-
113	IPINFUSION SOFTWARE, B'LORE	4	5.5	-
114	KULIZA TECH, B'LORE	1	6.5	6.5
115	AVERY DENNISON, B'LORE	0	5	-
116	SCHNEIDER ELECTRIC, B'LORE	0	8	-
117	BHARAT FORGE, PUNE	2	4.5	-
118	ESSENTIAL ENERGY	2	5.5	-
119	NUTANIX TECH	0	12.75	14.53
120	LATENT VIEW, HYD	4	4.5	4.5
121	TEMENOS INDIA, CHENNAI	0	7.58	-
122	TEACH FOR INDIA, B'LORE	*		
123	TOTAL ENVIRONMENT, B'LORE	5	4.5	4.5
124	C-DOT, B'LORE	3	9.8	10

125	QUEST GLOBAL, B'LORE	2	4.25	4.5
126	TATA TECHNOLOGIES, PUNE	2	4	-
127	ASTRAZENECA, B'LORE	4	8.5	8.5
128	CREDR.COM,	4	8	8
129	ZILLIOUS, NEW DELHI	2	7	7
130	BOSCH LTD, B'LORE	1	5.7	-
131	AVANTI LEARNING. B'LORE	5	4	4
132	CLAIRVOLEX, GURGAON	4	8	8
133	FIAT INDIA, PUNE	1	4.6	-
134	EXXONMOBIL, GURGAON	3	8.88	-
135	GOOGLE INDIA, B'LORE	2	25	-
136	INSZOOM	0	8	-
137	ORBEES MEDICAL	3	6	-
138	KPMG	6	6	-
139	WEBONICE LAB, PUNE	0	5.5	5.5
140	MERCEDES BENZ R&D, B'LORE	15	-	6.84
141	ORANGE COUNTY, B'LORE	2	-	3.12
142	ACCORD S.W., B'LORE	3	3.3	4.8
143	EVIVE SOFTWARE, B'LORE	0	7.5	7.5
144	PRODUCTION MODELLING, NAGPUR	3	6	-
145	THINK & LEARN, B'LORE	6	6	6
146	GLENMARK PHARMA, MUMBAI	3	8	-
147	ABB LTD, CHENNAI	1	4.36	-
148	EXPICIENT S.W., B'LORE	4	5	5
149	PEOPLE INTERACTIVE, MUMBAI	0	5.5	7
150	POWER2SME,	2	7	7
151	DIAMLER INDIA, CHENNAI	2	4.5	-
152	WS ATKINS GLOBAL, B'LORE	5	-	5.02
153	GENPACT HEADSTRONG, NOIDA	4	4	4
154	HERO MOTOCORP, N DELHI	0	6.5	-
155	VA TECH WABAG, CHENNAI	2	4.23	4.5
156	INFOSYS TECHNOLOGIES, B'LORE	1	6	6
157	MAHINDRA & MAHINDRA, MUMBAI	3	5.75	-
158	HEXAGON, HYD	4	5	5
159	FRACTAL ANALYTICS, MUMBAI	0	6	-

160	ZOHO CORPORATION, B'LORE	5	4.6	4.6
161	SKF INDIA LTD, PUNE	1	4.25	-
162	L&T INFO, MUMBAI	1	3	3.5
163	TARGET INDIA,B'LORE	9	11.63	11.63
164	ODESSA TECH, B'LORE	0	-	6.5
165	ROLLS ROYCE, B'LORE	3	-	6.35
166	EY-GDN, B'LORE	3	4.3	4.3
167	VENTURE FACTORY	2	6	-
168	MISYS SOFTWARE,B'LORE	2	5.22	5.22
169	L&T TECH, B'LORE	1	3.6	4
170	CRISIL, CHENNAI	2	5	-
171	TCE, B'LORE	4	-	5
172	BOMBARDIER, GUJARATH	1	4.75	5.5
173	FIAT INDIA, PUNE	1	4.6	-
174	IDRIVE SOFTWARE, B'LORE	7	8	8
175	SKYLARK DRONES	2	-	5
176	RESONANCE EDUVENTURES, KOTA	2	4.8	4.8
177	BANK OF AMERICA,GURGAON	12	5.5	-
178	HYUNDAI CONST, PUNE	1	3.5	4
179	ALCATEL LUCENT	1	7	8
180	CYBERPLACE.COM, HYD	0	9.27	-
181	KFIL	0	4.26	-
182	CARTHERO TECH, B'LORE	0	17	17
183	TOYOTA KIRLOSKAR AUTO, B'LORE	1	3.53	-
184	CA TECH, HYD	1	8	8
185	VEDANTA GROUP, GOA	3	4.5	-
186	SOCIETE GENERALE GLOBAL	0	8.5	-
187	ATOS INDIA, B'LORE	4	3.1	-
188	CARTESIAN CONSULTING, B'LORE	2	4.18	-
189	TIME INC INDIA, B'LORE	7	8	8
190	COROMANDEL, HYD	1		
191	BPCL, MUMBAI	9	11.5	-
192	JSW STEEL, BELLARY	17	4.27	-
193	AIRVANA NETWORKS, B'LORE	1	5.7	6.3
194	TRES VISTA FINANCIAL, MUMBAI	1	8	-
195	ANZ	1	-	5.35

196	HDFC BANK, MUMBAI	0	8.67	-
197	STUP CONSULTANTS, B'LORE	*	-	
198	TOYOTA KIRLOSKAR MOTOR	0		-
199	CENTURY LINK, NOIDA	1	5.5	5.5
200	HINDUSTAN COCA-COLA	2	7	-
201	99 ACRES.COM	0	-	
202	PARUL UNIVERSITY, VADODARA	4	-	5.87
203	L & T INFRA, CHENNAI	6	-	
204	VIGNAN'S FOUNDATION, A.P	6	-	4.8
205	AMDOCS, PUNE	0	4.5	4.5
206	ZF WIND POWER, COIMBATORE	0	4	-
207	UBER.COM	0	12.23	-
208	CARBORUNDAM UNIVERSAL	1	4.25	-
209	DQUOTIENT, BLORE	2	4	-
210	CAPILLARY TECH, BLORE	2	5.23	-
211	TECHNIP INDIA, CHENNAI	0	-	6
212	RELIANCE JIO, MUMBAI	9	4.5	-
213	MAXIM INTEGRATED	*	-	8
214	EATON, PUNE	1	-	8
215	MINDTREE, B'LORE	*	7	-
216	DELTECS INFOTECH, MUMBAI	0	5	5
217	PIDILITE INDUSTRIES	3	4.25	-
218	AEQUS PVT LTD, B'LORE	0	-	8
219	CDD SOCIETY, B'LORE	*	-	3
220	PIRAMAL ENTERPRISES, MUMBAI	1	7	-
221	GULF CONTRACTING, QATAR	*	5	-
222	AAKASH INSTITUTE, NEW DELHI	4	5.61	5.61
223	COAL INDIA, KOLKATA	21	8.8	-
224	TECH MAHINDRA	6	-	3.6
225	NARAYANA GROUP, B'LORE	5	3.6	3.6
226	ZELO, B'LORE	1	8	-
227	RANG DE, B'LORE	0	4.5	4.5
228	AFCONS INFRA, MUMBAI	*	3.36	4.5
229	BIOCON LTD, B'LORE	0	3.5	-
230	ROBOSOFT, UDUPI	1	-	4

231	SONATA SOFTWARE, B'LORE	0	4	4
232	NTT DATA FA, B'LORE	1	4.5	-
233	PRDC, B'LORE	*	-	
234	HPCL, MUMBAI	8	10.64	-
235	MOOG INDIA TECH, B'LORE	*	-	4.2
236	HOME CREDIT INDIA, GURGAON	7	5.5	6.74
237	PETRONET MHB LTD, M'LORE	6	5.5	-
238	GAIN THEORY, B'LORE	*	4.2	5.2
239	JAIN COLLEGE OF ENGG	3	-	4
240	CERNER, B'LORE	*	5.5	-

COMPANIES : 240	TOTAL JOBS : 907
NEW ORGANIZATIONS VISITED NITK IN 2015-16 : 71	
<i>* Final Results awaited</i>	

BRANCHWISE PLACEMENTS 2015-2016:

Branch	Total Eligible Students	Placed
UG (BTECH)		
CIVIL	72	49
CHEMICAL	40	37
COMPUTER	91	89
E & C	87	82
E & E	85	77
IT	87	83
MECHANICAL	114	104
METALLURGY	33	28
MINING	34	27
Total (B.Tech)	643	576
PG (MTECH)		
STRUCTURAL ENGG.	26	9
GEO TECH.	13	4
ENVIRONMENTAL	23	4
TRANSPORTATION SYSTEM	23	6
CONSTRUCTION TECH & MGMT	23	2
MARINE STRUCTURES	19	3
WATER RESOURCE ENGG & MGMT	14	5
REMOTE SENSING & GIS	20	3

INDUSTRIAL POLLUTION CONTROL	18	2
CHEMICAL PLANT DESIGN	8	2
INDUSTRIAL BIOTECHNOLOGY	21	2
COMPUTER SCIENCE & ENGG	26	23
INFORMATION SECURITY	23	21
VLSI	22	6
COMMUNICATION ENGG	27	11
POWER & ENERGY SYSTEM	27	7
INFORMATION TECHNOLOGY	21	19
THERMAL ENGG	13	7
MANUFACTURING ENGG	15	6
MECHATRONICS	25	8
DESIGN & PRECISION	14	8
PROCESS MET.	13	0
MATERIALS ENGG.	24	4
NANOSCIENCE AND NANOTECHONLOGY	10	4
C M A	18	14
Total(M.Tech)	486	180
MCA	88	54
MBA	35	22
MSc(Chemistry)	20	3
MSc(Physics)	20	2
TOTAL	1292	837

TOTAL NO OF PLACEMENTS – 907

(With 70 students getting placed in two companies)

PLACEMENT BREAKUP 2015-16					
Sl. No.	Name of Company	Date of visit	No. of Students Placed	Branchwise breakup	
				UG	PG
1	MICROSOFT, HYD	July. 30, 2015	12	CS 05, I.T 03,	MCA 01,IS 02,IT 01
2	MYNTRA DESIGN, B'LORE	July. 31, 2015	7	CS 06, I.T 01,	-
3	AMAZON, B'LORE	Aug. 01, 2015	5	CS 03	CS 01, IS 01
4	ADOBE SYSTEMS, B'LORE	Aug. 01, 2015	3	CS 01, I.T 02	-
5	CODE NATION, B'LORE	Aug. 02, 2015	0	-	-
6	PRACTO TECH, B'LORE	Aug. 02, 2015	4	CS 03, IT 01	-
7	BAJAJ AUTO, PUNE	Aug. 02, 2015	4	MECH 04	-
8	DIRECTI, MUMBAI	Aug. 02, 2015	1	CS 01	-
9	VISA INC, BANGALORE	Aug. 02, 2015	7	CS02,EEE 02,IT 03	-
10	INTUIT, B'LORE	Aug. 03, 2015	6	CS 02, IT 04	-
11	SAMSUNG R&D, B'LORE	Aug. 03, 2015	14	CS 07, EC 06, IT 01	-
12	MORGAN STANLEY, MUMBAI	Aug. 04, 2015	5	CS 01,EC 01,	MCA 01,IT 02

13	TEXAS INSTRUMENTS, B'LORE	Aug. 05, 2015	6	EC 04, EEE 01,,IT 01	-
14	GOLDMAN SACHES, B'LORE	Aug. 05, 2015	5	CS 03,IT 02	-
15	CISCO, B'LORE	Aug. 05, 2015	8	CS 02,IT 02	CS 03,IS 01
16	DELL R&D, B'LORE	Aug. 05, 2015	15	-	CS 04,IS 02,IT 02,MCA 01, MBA 6
17	QUALCOMM, B'LORE	Aug. 06, 2015	9	EC 06,EEE 01,IT 01	EC 01
18	ROVI CORPORATION, B'LORE	Aug. 06, 2015	2	CS 01	MCA 01
19	NETAPP, B'LORE	Aug. 07, 2015	2	EC 01, IT 01	-
20	INFOSYS, B'LORE	Aug. 07, 2015	1	CS 01	-
21	MARUTI SUZUKI, N.DELHI	Aug. 08, 2015	3	MECH 03	-
22	ORACLE, B'LORE	Aug. 08, 2015	23	CS 03,EC 01,EEE 01,IT 03,MT 01,MECH 02	MCA 04,CS 02,IS 02,IT 01,CTM 02,VLSI 01
23	WOOQER S.W, B'LORE	Aug. 10, 2015	3	CS 01, IT 02	-
24	AMERICAN EXPRESS	Aug. 10, 2015	2	-	CS 01, IT 01
25	SANDISK, B'LORE	Aug. 10, 2015	5	EC 02, IT 02	IS 01
26	AVAYA INDIA, B'LORE	Aug. 11, 2015	6	CS 01, IT 02,EC 01	MCA 01, IT 01
27	EDGE VERVE, B'LORE	Aug. 11, 2015	1	CS 01	-
28	CAPITAL ONE, B'LORE	Aug. 11, 2015	2	EC 01, EEE 01	-
29	THOROGOOD, B'LORE	Aug. 12, 2015	4	CH 01, EEE 01,IT 01, MECH 01	-
30	FIDELITY, B'LORE	Aug. 13, 2015	23	CS 11, IT 09, EEE 03	-
31	QUIKR.COM	Aug. 14, 2015	6	CS 02,EC 02,IT 02	-
32	ARYAKA NETWORKS, B'LORE	Aug. 14, 2015	2	-	CS 02
33	GROFERS INDIA, B'LORE	Aug. 14, 2015	7	CV 01,CH 03,MECH 02, EC 01	-
34	SANDVINE TECH, B'LORE	Aug. 15, 2015	3	CS 01	CS 01, IS 01
35	CARWALE.COM	Aug. 16, 2015	2	IT 01, EC 01	-
36	COUPAN DUNIA	Aug. 16, 2015	0	-	-
37	H U L, MUMBAI	Aug. 16, 2015	2	MECH 02	-
38	DE SHAW, HYDERABAD	Aug. 16, 2015	2	CS 01, IT 01	-
39	CREDIT SUISSE, MUMBAI	Aug. 16, 2015	4	CS 02, EC 01, EEE 01	-
40	J P MORGAN, MUMBAI	Aug. 16, 2015	5	CS 03, IT 02	-
41	T V S MOTOR	Aug. 16, 2015	1	MECH 01	-
42	FUTURES FIRST, B'LORE	Aug. 17, 2015	2	CV 01, CH 01	-
43	NATIONAL INSTRUMENTS,	Aug. 17, 2015	2	CS 01	IS 01

	B'LORE				
44	Z S ASSOCIATES, PUNE	Aug. 18, 2015	10	CV 02, CH 03, EC 02, MECH 01, MT 01, MN 01	-
45	ITTIAM SYSTEMS, B'LORE	Aug. 19, 2015	2	-	IT 02
46	DR REDDYS LAB, HYDERABAD	Aug. 19, 2015	3	CH 02, MECH 01	-
47	RIVERBED TECH, B'LORE	Aug. 19, 2015	2	-	CS 02
48	IBM INDIA-ISDL, B'LORE	Aug. 20, 2015	10	-	MCA 02, VLSI 03, CMA 01, IS 03, IT 01
49	MU-SIGMA, B'LORE	Aug. 20, 2015	3	CH 01, MECH 02	-
50	DIEBOLD SYSTEMS, MUMBAI	Aug. 20, 2015	3	EC 02, IT 01	-
51	AMADEUS S.W, B'LORE	Aug. 21, 2015	0	-	-
52	SWIGGY (BUNDL TECH PVT LTD)	Aug. 22, 2015	4	EC 02, MT 02	-
53	CITICORP SERVICES	Aug. 22, 2015	14	CS 04, EEE 03, MT 01	MCA 04, IT 02
54	RELIANCE INDS., MUMBAI	Aug. 23, 2015	17	CH 10, EEE 03, MT 01, MECH 03	-
55	ROYAL BANK OF SCOTLAND	Aug. 23, 2015	3	EC 01, EEE 02	-
56	PHILIPS INNOVATION , B'LORE	Aug. 24, 2015	3	CS 01, EC 01, IT 01	-
57	CYPRESS SEMICONDUCTOR, B'LORE	Aug. 24, 2015	2	-	VLSI 01, DP 01
58	CLICK LABS	Aug. 24, 2015	1	IT 01,	-
59	TCS DIGITAL, B'LORE	Aug. 25, 2015	2	EC 01	MCA 01
60	ROBERT BOSCH, B'LORE	Aug. 25, 2015	13	EEE 07, EC 03, MECH 03	-
61	SIGMOID ANALYTICS, B'LORE	Aug. 25, 2015	0	-	-
62	SABRE, B'LORE	Aug. 26, 2015	3	IT 03	-
63	WIPRO TECH, B'LORE	Aug. 27, 2015	15	EEE 06, EC 02, IT 01, CV 01, MECH 02, MN 02, MT 01	-
64	VERITY KNOWLEDGE, HYD	Aug. 28, 2015	4	CV 02, CS 01, MT 01	-
65	URBAN ONLINE	Aug. 28, 2015	0	-	-
66	KNOLSKAPE	Aug. 29, 2015	6	CV 01, CS 01	CS 02, IS 01, IT 01
67	EXL SERVICES, B'LORE	Aug. 29, 2015	4	CV 01, EC 01, MT 01, MN 01	-
68	REDBUS	Aug. 30, 2015	6	EC 01, IT 01, MECH 01	CS 01, IS 01, IT 01
69	ACCOLITE S.W., B'LORE	Aug. 31, 2015	1	IT 01	-

70	VIRTUSA CORPN, CHENNAI	Aug. 31, 2015	9	-	MCA 09
71	PATH PARTNER TECH	Sept. 01, 2015	4	EC 02, EEE 02	-
72	GALE CREATIVE	Sept. 01, 2015	1	IT 01	-
73	3D PLM SOFTWARE, B'LORE	Sept. 02, 2015	0	-	-
74	HALF TICK	Sept. 02, 2015	2	EC 02	-
75	mSUPPLY	Sept. 02, 2015	6	EC 01, IT 01	MCA 04
76	INTELLECT DESIGN	Sept. 03, 2015	Internship		
77	TEK SYSTEMS, B'LORE	Sept. 03, 2015	1	EC 01	-
78	SYMANTEC SOFTWARE, CHENNAI	Sept. 03, 2015	0	-	-
79	PEPSICO, GURGOAN	Sept. 03, 2015	2	CH 01, MECH 01	-
80	FORD MOTOR	Sept. 04, 2015	11	CS 01, EC 02, EEE 02, MECH 05, MT 01	-
81	ICT HEALTH TECH, B'LORE	Sept. 04, 2015	3	IT 02	CS 01
82	DELOITTE, HYD	Sept. 04, 2015	10	EC 04, EEE 03, IT 02	IS 01
83	AFFINE ANALYTICS, B'LORE	Sept. 05, 2015	4	CH 01, CS 01, MT 01, EC 01	-
84	INCTURE TECH	Sept. 05, 2015	2	CS 01	MCA 01
85	G E INDIA, B'LORE	Sept. 09, 2015	4	-	IS 01, TE 01, MC 02
86	SASKEN COMMUNICATIONS	Sept. 10, 2015	1	-	CE 01
87	WALMART LABS, B'LORE	Sept. 12, 2015	5	CS 03	CS 01, IT 01
88	SAP LAB, B'LORE	Sept. 13, 2015	6	CS 02, EEE 01	MCA 03
89	TCS, B'LORE	Sept. 13, 2015	48	CV 05, CS 01, EEE 02, IT 03, MECH 07, MN 03	MCA 07, ST 01, CPD 02, CE 02, PES 02, ML 02, CTM 06, IB 01, MC 01, IT 02, NT 01
90	WELLS FARGO, HYD	Sept. 16, 2015	5	MECH 02, IT 01, EC 01, CH 01	-
91	SAPIENT, B'LORE	Sept. 16, 2015	0	-	-
92	ALSTOM	Sept. 16, 2015	10	MECH 02, EC 01, EEE 01	PES 03, ML 02, NT 01
93	SRF LTD	Sept. 18, 2015	0	-	-
94	FIREEYE	Sept. 18, 2015	4	CS 03, IT 01	-
95	IBM, B'LORE	Sept. 20, 2015	7	EEE 02, IT 01	MCA 03, NT 01
96	SPAN INFOTECH	Sept. 21, 2015	4	CV 02, EEE 01, MT 01	-
97	GENERAL MOTORS	Sept. 21, 2015	3	MECH 03	-
98	ZOSTEL HOSPITALITY	Sept. 21, 2015	0	-	-
99	SIEMENS TECH, B'LORE	Sept. 22, 2015	3	EC 01, EEE 02	-
100	TATA MOTORS, MUMBAI	Sept. 22, 2015	10	MECH 09, EC 01	-

101	AXIS BANK, MUMBAI	Sept. 23, 2015	7	-	IPC 01, CTM 01, MBA 05
102	INFORMATICA, B'LORE	Sept. 23, 2015	1	IT 01	-
103	ONE CONVERGENCE, HYD	Sept. 24, 2015	3	-	MCA 01, CS 01, CTM 01
104	L&T CONST., CHENNAI	Sept. 24, 2015	19	CV 09, MECH 02	ST 02, DP 01, GTE 02, ME 01, TSE 01, WRE 01
105	UTC, HYD	Sept. 24, 2015	2	EC 01, EEE 01	-
106	V E COMMERCIAL VEHICLES, CHENNAI	Sept. 24, 2015	5	MECH 05	-
107	ACT PVT LTD, B'LORE	Sept. 26, 2015	0	-	-
108	BMM ISPAT, BELLARY	Sept. 26, 2015	3	MET 03	-
109	09 SOLUTIONS, B'LORE	Sept. 27, 2015	5	CS 01, IT 01, EEE 01, MN 01, CV 01	-
110	NESTLE INDIA,	Sept. 28, 2015	2	MECH 01, EEE 01	-
111	INTEL TECHNOLOGY, B'LORE	Sept. 28, 2015	7	EC 05, EEE 01, IT 01	-
112	HP R&D, B'LORE	Sept. 29, 2015	2	CS 01, EC 01,	-
113	IPINFUSION SOFTWARE, B'LORE	Oct 01, 2015	4	CS 01, IT 01, EC 01, EEE 01	-
114	KULIZA TECH, B'LORE	Oct 01, 2015	1	-	MCA 01
115	AVERY DENNISON, B'LORE	Oct 03, 2015	0	-	-
116	SCHNEIDER ELECTRIC, B'LORE	Oct 03, 2015	0	-	-
117	BHARAT FORGE, PUNE	Oct 03, 2015	2	MT 02	-
118	ESSENTIAL ENERGY	Oct 05, 2015	2	EEE 02,	-
119	NUTANIX TECH	Oct 05, 2015	0	-	-
120	LATENT VIEW, HYD	Oct 05, 2015	4	CV 02, CH 01, MECH 01	-
121	TEMENOS INDIA, CHENNAI	Oct 06, 2015	0	-	-
122	TEACH FOR INDIA, B'LORE	Oct 06, 2015	*		
123	TOTAL ENVIRONMENT, B'LORE	Oct 06, 2015	5	CV 03,	ST 02
124	C-DOT, B'LORE	Oct 07, 2015	3	EC 01	CE 02
125	QUEST GLOBAL, B'LORE	Oct 07, 2015	2	-	DP 02
126	TATA TECHNOLOGIES, PUNE	Oct 07, 2015	2	MECH 02	-
127	ASTRAZENECA, B'LORE	Oct 10, 2015	4	CV 01, CH 01	NT 01, ENV 01
128	CREDR.COM	Oct 10, 2015	4	IT 02	IT 01, PES 01
129	ZILLIOUS, NEW DELHI	Oct 10, 2015	2	-	MCA 02
130	BOSCH LTD, B'LORE	Oct 12, 2015	1	MECH 01	-
131	AVANTI LEARNING. B'LORE	Oct 13, 2015	5	EC 01, EEE 03, IT 01	-

132	CLAIRVOLEX, GURGAON	Oct 13, 2015	4	EC 01,EEE 01, IT 01	CS 01
133	FIAT INDIA, PUNE	Oct 13, 2015	1	MECH 01	-
134	EXXONMOBIL, GURGAON	Oct 14, 2015	3	MECH 02, CH 01	-
135	GOOGLE INDIA, B'LORE	Oct 15, 2015	2	IT 01, CS 01	-
136	INSZOOM	Oct 15, 2015	0	-	-
137	ORBEES MEDICAL	Oct 15, 2015	3	EC 01, EEE 01, MN 01	-
138	KPMG	Oct 15, 2015	6	CH 02, CS 01, EEE 01, MT 01, MN 01	-
139	WEBONICE LAB, PUNE	Oct 15, 2015	0	-	-
140	MERCEDES BENZ R&D, B'LORE	Oct 16, 2015	15	-	TE 03, ME 03, CTM 02, MC 05, DP 02
141	ORANGE COUNTY, B'LORE	Oct 16, 2015	2	-	MBA 02
142	ACCORD S.W., B'LORE	Oct 17, 2015	3	EEE 01	CE 02
143	EVIVE SOFTWARE, B'LORE	Oct 19, 2015	*		
144	PRODUCTION MODELLING,NAGPUR	Oct 19, 2015	3	MECH 03	-
145	THINK & LEARN,B'LORE	Oct 23, 2015	6	CV 01,CS 01, EC 01,MECH 01, MT 01, MN 01	-
146	GLENMARK PHARMA, MUMBAI	Oct 24, 2015	3	CH 01, MECH 02	-
147	ABB LTD,CHENNAI	Oct 24, 2015	1	EEE 01	-
148	EXPICIENT S.W., B'LORE	Oct 26, 2015	4	MECH 01	MCA 02, NT 01
149	PEOPLE INTERACTIVE, MUMBAI	Oct 27, 2015	0	-	-
150	POWER2SME,	Oct 27, 2015	2	IT 01	MCA 01
151	DAIMLER INDIA, CHENNAI	Oct 28, 2015	2	MECH 02	-
152	WS ATKINS GLOBAL, B'LORE	Oct 28, 2015	5	-	ST 02, GTE 01,ENV 01,WRE 01
153	GENPACT HEADSTRONG, NOIDA	Oct 28, 2015	4	CS 01, IT 01	MCA 02
154	HERO MOTOCORP, N DELHI	Oct 28, 2015	*		
155	VA TECH WABAG, CHENNAI	Oct 30, 2015	2	MECH 01	ENV 01
156	INFOSYS TECHNOLOGIES, B'LORE	NOV 2, 2015	1	-	CE 01
157	MAHINDRA & MAHINDRA, MUMBAI	NOV 2, 2015	3	MECH 03	-
158	HEXAGON, HYD	NOV 4, 2015	4	CIVIL 02, MECH 01	TE 01
159	FRACTAL ANALYTICS, MUMBAI	NOV 4, 2015	*		
160	ZOHO CORPORATION, B'LORE	NOV 5, 2015	5	-	IS 02, MCA 03

161	SKF INDIA LTD, PUNE	NOV 5, 2015	1	MT 01	-
162	L&T INFO, MUMBAI	NOV 6, 2015	1	-	MCA 01
163	TARGET INDIA,B'LORE	NOV 9, 2015	9	CV 01, IT 01,EC 01, EEE 01,MECH 01	MCA 04
164	ODESSA TECH, B'LORE	NOV 9, 2015	0	-	-
165	ROLLS ROYCE, B'LORE	NOV 9, 2015	3	-	DP 02, TE 01
166	EY-GDN, B'LORE	NOV 12, 2015	3	EEE 01,IT 01	MCA 01
167	VENTURE FACTORY	NOV 13, 2015	2	CS 01, EEE 01	-
168	MISYS SOFTWARE,B'LORE	NOV 16, 2015	2	-	MCA 01,CS 01
169	L&T TECH, B'LORE	NOV 16, 2015	1	-	ME 01
170	CRISIL, CHENNAI	NOV 18, 2015	2	CIVIL 02	-
171	TCE, B'LORE	NOV 20, 2015	4	-	ST 02, PES 01, CTM 01
172	BOMBARDIER, GUJARATH	NOV 21, 2015	1	-	MCA 01
173	FIAT INDIA, PUNE	NOV 23, 2015	1	MECH 01	-
174	IDRIVE SOFTWARE, B'LORE	DEC 04, 2015	7	IT 01, MECH 01	CE 02, CMA 03
175	SKYLARK DRONES	JAN 04, 2016	2	-	RS 02
176	RESONANCE EDUVENTURES, KOTA	JAN 04, 2016	2	CHEM 01, MECH 01	-
177	BANK OF AMERICA,GURGAON	JAN 04, 2016	12	CIVIL 05, MECH 04,MN 02, MT 01	-
178	HYUNDAI CONST, PUNE	JAN 05, 2016	1	-	MBA 01
179	ALCATEL LUCENT	JAN 08, 2016	1		CE 01
180	CYBERPLACE.COM,HYD	JAN 08, 2016	*		-
181	KFIL	JAN 09, 2016	0	-	-
182	CARTHERO TECH, B'LORE	JAN 11, 2016	0	-	-
183	TOYOTA KIRLOSKAR AUTO, B'LORE	JAN 12, 2016	1	MECH 01	-
184	CA TECH, HYD	JAN 12, 2016	1	CS 01	-
185	VEDANTA GROUP, GOA	JAN 14, 2016	3	CHEM 02, MECH 01	-
186	SOCIETE GENERALE GLOBAL	JAN 14, 2016	0		
187	ATOS INDIA, B'LORE	JAN 16, 2016	4	EEE 01, EC 01, IT 02	-
188	CARTESIAN CONSULTING, B'LORE	JAN 18, 2016	2	MT 01, MN 01	-
189	TIME INC INDIA, B'LORE	JAN 19, 2016	7	CS 01, IT 01, EEE 01	MCA 02, IS 01, IT 01
190	COROMANDEL, HYD	JAN 19, 2016	1	CIVIL 01	-
191	BPCL, MUMBAI	JAN 21, 2016	9	CIVIL 05, MECH 04	-
192	JSW STEEL, BELLARY	JAN 21, 2016	17	MT 07, MN 10	-
193	AIRVANA NETWORKS, B'LORE	JAN 21, 2016	1	-	CE 01
194	TRES VISTA FINANCIAL,	JAN 27, 2016	1	EC 01	-

	MUMBAI				
195	ANZ	JAN 27, 2016	1	-	MBA 01
196	HDFC BANK, MUMBAI	JAN 28, 2016	0		
197	STUP CONSULTANTS, B'LORE	JAN 29, 2016	*		
198	TOYOTA KIRLOS KAR MOTOR	JAN 29, 2016	0	-	-
199	CENTURY LINK, NOIDA	JAN 29, 2016	1	-	MCA 01
200	HINDUSTAN COCA-COLA	JAN 30, 2016	2	MECH 02	-
201	99 ACRES.COM	FEB 01, 2016	0	-	-
202	PARUL UNIVERSITY, VADODARA	FEB 02, 2016	4	-	IPC 01, ME 01, ENV 01, TSE 01
203	L & T INFRA, CHENNAI	FEB 03, 2016	6	-	MS 03, TSE 03
204	VIGNAN'S FOUNDATION, A.P	FEB 04, 2016	6	-	GTE 01, WRE 03, TSE 01, DP 01
205	AMDOCS, PUNE	FEB 05, 2016	0		
206	ZF WIND POWER, COIMBATORE	FEB 05, 2016	0		-
207	UBER.COM	FEB 08, 2016	0		-
208	CARBORUNDAM UNIVERSAL	FEB 08, 2016	1	MECH 01	-
209	DQUOTIENT, BLORE	FEB 09, 2016	2	EEE 01, IT 01	-
210	CAPILLARY TECH, BLORE	FEB 09, 2016	2	CHEM 01, MECH 01	-
211	TECHNIP INDIA, CHENNAI	FEB 10, 2016	0	-	-
212	RELIANCE JIO, MUMBAI	FEB 11, 2016	9	CIVIL 01, EC 01, EEE 04, IT 03	-
213	MAXIM INTEGRATED	FEB 16, 2016	*	-	
214	EATON, PUNE	FEB 17, 2016	1	-	IT 01
215	MINDTREE, B'LORE	FEB 20, 2016	*		-
216	DELTECS INFOTECH, MUMBAI	FEB 23, 2016	0		
217	PIDILITE INDUSTRIES	FEB 24, 2016	3	CHEM 02, MECH 01	-
218	AEQUS PVT LTD, B'LORE	FEB 26, 2016	0	-	
219	CDD SOCIETY, B'LORE	FEB 27, 2016	*	-	
220	PIRAMAL ENTERPRISES, MUMBAI	FEB 29, 2016	1	MECH 01	-
221	GULF CONTRACTING, QATAR	MAR 01, 2016	*		-
222	AAKASH INSTITUTE, NEW DELHI	MAR 03, 2016	4	MECH 02	CMA 01, IB 01
223	COAL INDIA, KOLKATA	MAR 08, 2016	21	CIVIL 03, EC 03, EEE 05, MECH 04, MN 06	-
224	TECH MAHINDRA	MAR 09, 2016	6	-	MBA 06

225	NARAYANA GROUP, B'LORE	MAR 11, 2016	5	-	MSC CHEM 03, MSC PHY 02
226	ZELO, B'LORE	MAR 11, 2016	1	CHEM 01	-
227	RANG DE, B'LORE	MAR 16, 2016	0	-	-
228	AFCONS INFRA, MUMBAI	MAR 17, 2016	*		
229	BIOCON LTD, B'LORE	MAR 17, 2016	0		-
230	ROBOSOFT, UDUPI	MAR 17, 2016	1	-	MBA 01
231	SONATA SOFTWARE, B'LORE	MAR 18, 2016	0	-	-
232	NTT DATA FA, B'LORE	MAR 18, 2016	1	IT 01	-
233	PRDC, B'LORE	MAR 21, 2016	*		
234	HPCL, MUMBAI	MAR 22, 2016	8	CIVIL 02, CHEM 02,EEE 01, MECH 03	-
235	MOOG INDIA TECH, B'LORE	MAR 24, 2016	*	-	
236	HOME CREDIT INDIA, GURGAON	MAR 28, 2016	7	CIVIL 01, EEE 01, MN 03	MBA 02
237	PETRONET MHB LTD, M'LORE	MAR 29, 2016	6	CIVIL 01, EEE 02, EC 03	-
238	GAIN THEORY, B'LORE	APRIL 12,2016	*		
239	JAIN COLLEGE OF ENGG	APRIL 18,2016	3	-	WRE 01, RS 01, TE 01
240	CERNER, B'LORE	APRIL 19,2016	*		

*Results awaited

Training / Internship Slots for the Academic Year 2015-16

Sl. No.	Branch	No. of Slots
01	Chemical Engineering	32
02	Civil Engineering	45
03	Computer Engineering	94
04	Electronics & Communication Engineering	49
05	Electrical & Electronics Engineering	68
06	Information Technology	69
07	Mechanical Engineering	143
08	Metallurgical & Material Engineering	79
09	Mining Engineering	122
	Total Number of Students	701

Number of Companies : 220	Number of Training Slots : 701
----------------------------------	---------------------------------------

17 SPECIAL INITIATIVES

17.2 MEMORANDA OF UNDERSTANDING (MOUs)

Sl. No.	Date of Signing MOU Duration	Organization/Institute
1	31 st March 2016 Duration of the Mission	Ministry of Housing and Urban Poverty Alleviation (MHUPA)
2	24 th February 2016 5 Years	Manipal University, Manipal
3	24 th February 2016 5 Years	Centre for Marine Technology and Ocean Engineering (CENTEC), Instituto Superior Tecnico, Universidade de Lisboa, Portugal
4	2 nd February 2016 3 Years	Huawei Technologies India Private Limited (HTIPL)
5	14 th January 2016 2 ½ Years	Centre for Development of Advanced Computing, Thiruvananthapuram
6	14 th December 2015 3 Years	USC Viterbi School of Engineering
7	1 st December 2015 5 Years	Department of Electrical and Computer Engineering Northeastern University Boston MA 02110, USA
8	1 st December 2015 5 Years	D'Amore-McKim School of Business Northeastern University Boston, MA 02110, USA
9	4 th November 2015	PepsiCo India Holdings Pvt. Ltd
10	28 th October 2015 5 Years	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA), FRANCE
11	20 th October 2015 5 Years	Hard Rock Regional Centre, National Institute of Hydrology, Belgaum
12	14 th October 2015 3 Years	Council of Scientific and Industrial Research - Central Glass and Ceramic Research Institute (CSIR - CGCRI)
13	14 th October 2015 3 Years	Hexagon Capability Center India Private Limited
14	1 st October 2015 3 Years	IBM India Pvt. Ltd.
15	4 th September 2015 5 Years	Shree Dharmasthala Manjunatheshwara Law College, Centre for Post Graduate Studies & research in Law, Mangalore, D. K.
16	25 th August 2015 5 Years (Renewed)	The School of Business and Engineering University of applied Sciences Western, Switzerland, Vaud (Heig - VD)
17	11 th May 2015 4 Years	ABB Global Industries and Services Private Limited
18	27 th April 2015 3 Years	Indian Institute of Science, a Deemed University, Bangalore

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.12,400/- as P.G. stipend per month. M.Tech. (Q.I.P.) Regular and (Q.I.P.) Poly are paid Rs.4,000/- per month.

Full-Time Ph.D. Research Scholars are paid institute scholarship @ Rs.25,000/- p.m for I and II year and III, IV and V year Rs. 28,000/- per month. Ph.D. QIP(R) 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 Chemical Engineering

Details Of Innovation/Patent	Names Of Faculty/Staff/Students Involved
Thin Film Reactor For Obtaining Cardinal	Raj Mohan B, Ph.D. And Mrs. Shrutee L.
Multiple Porous Draft Tubes Spouted Bed Contactor filed On 11.6.2015 No. 2940/Che/2015	D.V.R. Murthy, Ph.D. And Mr. Rajashekara S. , Ph.D.

Department of Computer Engineering

Details of Innovation/ Patent	Names of faculty/staff/students involved
"A Dynamic System And A Method For Facilitating Service Selection In Cloud"Patent No: 201641000437 Dt. 11/01/2016	K. Chandrasekaran, Ph.D.
"Use Of Diacritical Mass For Speech Synthesis" Patent No. 201641005231	Shashidhar Koolagudi

Dt.15/02/2016	
“DEGRADED SPEECH RECOGNITION USING SIGNAL ENVELOPE” Patent No: 201641007122 dt. 01/03/2016	Shashidhar Koolagudi

Department of Electrical & Electronics Engineering

Details of Innovations/Patent	Name of Faculty/Staff/ students involved
“A Solar Water Pumping System”, patent no:6034/CHE/2015, Filed on November 7, 2015	Dr.Venkatesaperumal B Dr. Karthikeyan A Dr. Parthiban P

17.5 Concessions for SCs, STs, Handicapped Students

All SC/ST candidates are eligible for exemption of Tuition Fees as per the order of M.H.R.D., GOI, New Delhi.

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) from second, third and final year B.Tech students are providing full financial support for pursuing studies.
- 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.
- A Soft Skill Training Program for the third and final year B.Tech students of NITK Surathkal was commenced from 2nd to 7th November 2015.
- SC-ST Cell coordinated Ambedkar Jayanthi in Institute on April 14th 2015, Sri. Jayan Malpe Convenor DSS, Udupi was Chief Guest and Prof. Shekar Agadi, Director (SW), Karnataka University Dharwad was Guest of Honor for the function.
- 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).
- During 2015-2016 Cell has taken approval for four days Self Enrichment Programme, to improve the academic performance of the first year students and Professional Skill Enhancement Programme for Employability Enhancement and Entrepreneurship for pre-final year students. Due to non-cooperation of Institute Administration the programmes have cancelled.
- 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.

17.7NSS (National Service Scheme)

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

17.8RIGHT 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. 190 RTI Applications were received during the year 2015-16 (from 01.04.2015 to 31.03.2016).

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 Rs. 125 million under TEQIP-II programme, a sum of 121.70 million had been received up to 31-03-2015. Further a sum of Rs.3.30 million was received on 31st August, 2015 and Rs. 25.00 million has been received on 2nd December 2015. Hence a total of ` 150.00 million has been received up to the end of 31-03-2016. With the above fund flow the targets achieved and those under progress up to the end of March 2016 are as under:

1.	Procurement of Assets (including Books, LR's, software, Equipments and Furniture	Rs. 52.403 million.
2	Providing Teaching and Research Assistantship	Rs. 12.582 million
3	Enhancement of R & D activities	Rs. 5.503 million
4	Faculty and Staff Development	Rs. 13.965 million
5	Incremental Operating Cost	Rs. 16.335 million
6	Institutional Management Capacity Enhancement	Rs. 1.505 million
7	Academic Support to weak students	
8	Implementation of Institutional Academic Reforms	Rs. 9.355 million
	Total expenditure up to 31-03-2016	Rs.115.620 million

Procurement of various items of equipment and software made up to 31-03-2016 is Rs. 524.038 lakh.

Eight Expert Lecture programmes, one National Conferences, one 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 during this financial year.

About 37 faculty members have undergone training on various subjects under the activities Faculty and Staff Development, Institution Management Capacity Enhancement in this financial year.

Two Programmes of National Importance titled as “Workshop on Skill Development” and “Workshop on Mission Make in India” in line with Govt. of India vision were held during this financial year with the participation of members from neighboring Industries/Institutions and experts from National level Institutions.

Two Deans have participated in National level review meeting held by MHRD in New Delhi.

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

(ii) A total 51 Faculty members have undertaken foreign visits for Research Interaction (Top 200 Universities in the World as per QS ranking) up to the end of 31-03-2016. An expenditure of ₹ 100.648 lakh was incurred to support this programme.

(v) A total 45 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 was paid an assistantship of Rs. 15,000/- per month up to a period of three years and these 16 HTTAs have completed their term during the month of July 2015. 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 and DATA Auditor appointed by NPIU also visited this Institute and have 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 regularly.

All the updated MIS informations 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.

The MHRD, Government of India, has included NITK together with other 17 NITs to invest additional fund under the scheme of **Modernizing NITs** and finally allotted a sum of Rs.1,436/- lakhs to this Institute to Modernize Laboratories and develop Smart Classrooms with additional procurement of equipments and software through PMSS of the 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 2015-16 is Rs. 1.82 (One Crore eighty two Laks)

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	2014-2015
Microsoft	Academic and Training	2014-2015
IBM	Academic and Training	2014-2015
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
Simcon Laboratories Pvt. Ltd., Baikampady Ind. Area, Mangalore,	Academic/Training To UG PG Stduents	During Summer Vacation May To July 2015
Hindustan Organic Chemicals, Kochi,	-Do-	-Do-
The Travancore – Cochin Chemicals Ltd., Udyogmandal, Kochi	-Do-	-Do-
Bal Pharma Ltd, Bommasandra Ind.Area, Bangalore	-Do-	-Do-
Electromineral Division, Carorundum Universal Limited, Edapalli, Ernakulum	-Do-	-Do-
Karnataka Milk Federation , Dharwad	-Do-	-Do-
BASF, The Chemicals Company, Surathkal,	Academic/Training To UG PG Stduents	During Summer Vacation May To July 2015
SHRM Biotechnologies Pvt. Ltd., Kolkata	-Do-	-Do-
Helix Bopgenesis, Noida	-Do-	-Do-
Biological E. Limited, QC & Production Dept., Dehradun	-Do-	-Do-
Keshava Deva Malaviya Instt. Of Petroleum Exploration, ONGC, Dehardun	-Do-	-Do-
True Tech Solutions, Bangalore	-Do-	-Do-
Environmental Survey Laboratory, Bhabha Atomic Research Centre, Kakrapar Atomic Power Station, Gujarat	-Do-	-Do-
Process Development Lab., Wockhardt Biotech-Park, Aurangabad	-Do-	-Do-
SMS Common Eff;Iemt Treat,Emt Plant Pvt. Ltd., Waluj, Aurangbad, Maharshtra	-Do-	-Do-
MRPL, Mangalore	-Do-	-Do-
KIOCL, Mangalore	-Do-	-Do-
MCF, Mangalore	-Do-	-Do-
Reliance Group of Ind. , Gujrat	-Do-	-Do-

Department of Electrical & Electronics Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Texas Instruements- India, Bangalore	Development of IOT Connectivity plat form on TI Tiva™ C Series	6 Months

	TM4C1294 IOT LaunchPad	
Robert Bosch Engineering and Business Solutions, Bangalore	BLDC Motor Control for Corded Power Tools, Samskriti M.Tech., Modeling, Simulation & Hardware Design.	12 Months
Ittiam Systems Pvt. Ltd., Bangalore	Video Switcher with Programmable Switching Time, Ullas A Indi, B.Tech., Hardware Design	12 Months
Texas Instruments- India, Bangalore	Incorporation of Smart Features to a Wheel-Chair	10 months (in house at NITK)
Texas Instruments- India, Bangalore	BLDC Motor Control Techniques	10 months (in house at NITK)
RBEI Bengaluru	Maneuvering of out-door robot (a Lawn-Mover) within a pre-determined boundary	10 months (in house at NITK)

Department of Electronics & Communication Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
Texas Instruments, Bangalore	BTech Major Project	2015-2016
Quadvision Infosystems, Bangalore		
VSSC, ISRO	MTech CE & MTech VL Major Project	2015-2016
Philips, Bangalore		
Sameer, Chennai		
Robert Bosch, Bangalore		
NIO, Goa		
BEL, Hyderabad		
Avago, Bangalore		
Infenion, Bangalore		
VCU Labs, Bangalore		
Uurmi Systems, Hyderabad		
ISRO, Bangalore		
GM Technical Center		
Intel Mobile Commn. Bangalore		
Broadcom, Ecospace, Bangalore		
Intel, Ecospace, Bangalore		
Texas Instruments, Bangalore		
Samsung	BTech Internships	May 14, 2015 to July 17, 2015
Qualcomm		May 11, 2015 to July 24, 2015
ECAM Lyon		May 18, 2015 to July

		18, 2015
ICFOSS		June 2015
HSL Visakhapatnam		June 2015
Prudent Solutions		June 2015
ASMAITHA WIRELESS TECHNOLOGY		May – June 2015
ETDC, Hyderabad		May – June 2015
Tataatsu Idealabs		summer 2015
HP Summer Training, Pune		June – July 2015
Sri Lanka Telecom PLC		May – July 2015
Haya Waters		June 2015
National Aerospace Laboratories		June – July 2015
BSNL VIJAYAWADA		June – July 2015
IDEAS Ltd		Summer 2015
Reliance communications limited		May – June 2015
Robert Bosch Business and Engineering Solutions (RBEI), Bangalore		May – July 2015
ELECTRONICS CORPORATION OF INDIA LIMITED		May – June 2015
NFC Hyderabad		June – July 2015
Gill Instruments		June 2015
TI, Bangalore		June – July 2015
INDIAN TELEPHONE INDUSTRY LTD		May 2015

Department of Mechanical Engineering

Name of Industry	Nature of Collaboration (academic, research, training, etc)	Period/Duration
AVL	Research (AVL FIRE and BOOST Simulation Software)	1 year (Renewal)
DAIMLER	Product development - AGV (CSD)	1 year

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
Nuclear Fuel Complex	Academic	August 2014 to May 2015/10 months

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'	21.1.2013	112
5	Workshop	Recent trends in system application as applied to Civil Engineering	9.1.2015	100
6	International Conference	Water Resources, Coastal and Ocean Engineering (ICWRCOE'15)	12-14 March 2015	350

(i) Visits abroad by Faculty members

Name of the Faculty	University/ Institute/ Organisation	Place	Purpose	Duration
Debabarata Karmakar	Lisbon	Portugal	International Ship & Offshore Structures Congress (ISSC)	7-10 Sept. 2015
G.S.Dwarakish	McGill University	Canada	Research Interaction	26 th Oct-3 rd Nov. 2015
H.Ramesh	McGill University	Canada	Research Interaction	26 th Oct-3 rd Nov. 2015
Manu	School of Engineering & Technology, Asian Institute of Technology, Bangkok	Thailand	Research Interaction	11 th to 15 th January, 2016.

Notable achievements:-

MOU signed between NIH, Roorkee and Dept. of Applied Mechanics and Hydraulics, NITK on 20.10.2015

Department of Chemical Engg.

Achievements Upto 31 st March 2015
Ms. Chandu Sneha (12CH28) Presented A Paper In A Technical Conference Chemignite-2014 Held At M.I.T., Manipal
Mr. Akshay Gowda (12CH06) Was Awarded Iisc Internship In 2014, He Presented One Paper In International Conference On Advancements In Polymeric Materials 2015, Held At IISC, Bangalore. He Also Published A Paper Titled “ Insights Into Optical And Antibacterial Properties Of Pbse Quantum Rods”, In Journal Of Saudi Chemical Society In Year 2015.
Ms. Madhusmita Halder (12CH30) Is Secured Second Palce In Eastern Group Dance Competition Held At IIM Bangalore In Januury 2015.

Achievements During 1st April 2015 To 31st March 2016

Foreign visits made by faculty

Name Of Faculty/ Staff	Purpose of visit	Organisation	Dates & Duration Of Training
D.V.R. Murthy, Ph.D.	Pacific Drying Conference, ,	Kuala Lumpur, Malaysia	10-12 August, 2015,
M.B. Saidutta, Ph.D.	Research/MoU	Switzerland, North Eastern Univ., & US	22 nd June To 6 th July 2015
M.B. Saidutta, Ph.D.	Research/MoU/Alumnii meet	Northeastern Univ., Boston, Univ. Of Sourthern Californias Angels, Michigen State Univ. Etc. In US	17 th Nov. To 4 th Dec. 2015
M.B. Saidutta, Ph.D.	Research/Alumni meet	Dept. Of Biochemistry, Toronto Univ., Canada	10 th To 26 th Sept. 2015
Raj Mohan B, Ph.D.	4 th International Conference On Research Frontiers In Chalcogen Cycle Science And Technology At UNESCO-IHE, Delft	Netherlands	27 th & 28 th May 2015
Raj Mohan B, Ph.D.	To attend conference	Australia	28 th Sept. To 2 nd October 2015
Raj Mohan B, Ph.D.	To attend Conference	Melborne Univ. ,	21 st Nov. To 2 nd Dec.

		Australia	2015
Gangamma S, Ph.D.	To Research	Dept. Of Biochemistry, Toronto	1 st To 30 th June 2015
Hari Prasad Dasari, Ph.D.	To attend conference	South Korea	1 st To 3 rd July 2015

Department of Computer Science & Engineering

Achievements during 1st April 2015 to 31st March 2016

Faculty achievements:

Students achievements:

Gaurav Verma(2012-16)

Name: National Design and Research Forum

Organized By: The Institute of Engineers (India)

Description: All India Design Competition for Engineering Students, 2015

Award: Gold Medal in Computer Science and Engineering

Date: 11 October, 2015

Shubham Badal: (2012-16)

Founded CybrHome: (in 2015)

Description: CybrHome is a platform to discover websites and share them with friends.

Achievements: Top 25 student entrepreneur (Tata First Dot 2015), Microsoft BizSpark start-up, Facebook FB-start.

Featured in leading National dailies, including Times of India, The New Indian Express and Bangalore Mirror.

www.cybrhome.com

Department of Chemistry

Past Achievements of Department

1. B. Ramachandra Bhat, , Ph.D. has received Commonwealth Academic Fellowship **tenable at: Northumbria University, New Castle Upon Tyne, United Kingdom, January 19th to April 18th, 2015.**

Achievements during 1st April 2015 to 31st March, 2016

Sanctioned a short term course on “Novel Functional Materials for Energy Conversion” by GIAN (Global Initiative for Academic Networks), MHRD, New Delhi. The Guest Faculty: Prof. Prashanth V. Kamath, Notre Dame University, USA.

Department of Electrical & Electronics Engineering

Achievements during 1st April 2015 to 31st March, 2016

POSOCO POWER SYSTEM AWARD (Shortlisted) Masters' category (POSOCO Power System award- PPSA-2016) Total awards 25
 Name of the Student: Ms. Prashanthi
 Name of the Guide: Dr. K.N. Shubanga

Department of Electronics and Communication Engineering

Achievements during 1st April 2015 to 31st March, 2016

Sarwesh P (EC13F05), PhD student, awarded Best Paper Award for his paper titled “*Energy Efficient Network Architecture for IOT Applications*”, IEEE ICGCIOT, 2015
 First prize in BOSCH Hackathon - 2016 won by 3rd year BTech (E&C) students - Kartik Samtani and Saurabh Sachan for their project Bowling Assist. 23 Teams participated in the competition from Industries and Educational Institutions across India.
 First Place in the Intel track of HiPC Parallel Programming Challenge 2015 won by 3rd year BTech (E&C) students - Akshay Kamath, Gururaj K and Ajay Kumar M for their project on Clustering of High-dimensional Data on Intel Xeon Phi Coprocessors, under the guidance of Dr. Deepu Vijayasanen. The work was presented at the 22nd IEEE International Conference on High Performance Computing (HiPC 2015) held in Bengaluru.

Books published/written during the year

Author Name	Title	Publisher Name	Publication Year
Muralidhar Kulkarni Shivaprakash K. S.	Information Theory and Coding	Wiley publications, New Delhi, India	2015

Department of Information Technology

Achievements during 1st April 2015 to 31st March 2016

Thirteen batches of UG (B.Tech) and Four batch of PG(M.Tech) students have successfully completed their graduation in IT stream so far.

Around 95% placements in B.Tech and 91% placements in M.Tech during 2015-16.

Best Paper Award
 Ajay Kumar M A and **Jaidhar C D** , "Hypervisor and Virtual Machine dependent Intrusion Detection System for Virtualized Environments" at International Conference on Telematics and Future Generation Networks2015, organised by Universiti Teknologi Malaysia (UTM), Kuala Lumpur, Malaysia, May 26 -28th, 2015

IT Student Admissions to Top Universities

Name	University	Programme
Anusha Bagalkotkar	Carnegie Mellon University, USA	M.S in Computer Science
Bharath Kumar M J	Carnegie Mellon University, USA	M.S in Computer Science

Department Of Mechanical Engineering

Achievements during 1st April 2015 to 31st March 2016
➤ The department has Awarded 1 PhD degree
➤ The department has Published 33 papers in international Journals, 22 papers in international conferences.
➤ The Department has MoU with Volvo for academic and research purpose
➤ The department conducted one national conference.
➤ Four new faculty members joined in the department

The faculties of the Department visited many renowned Institutions and Research organizations in India and Abroad - Australia, USA and Malaysia. The Department is well known in industries related to Mining and Construction sector for its technical expertise and is actively involved in consultancy projects. The Department has generated around Rs.2.00 Crores in consultancy works in the last three years. At present three R&D Projects are going on in the Department. The total cost of the projects is around Rs. 2.50 Crores.

In the recent NBA accreditation exercise, the Department has obtained accreditation for 5 years with fairly good score in all the key components. The Department has organized 12 guest lectures from eminent personalities invited from various Institutions, Industries and Research Organizations. The Department has established a new state-of the art Mineral Processing Laboratory at a cost of Rs.1.45 Crores in collaboration with M/s. Insmart Systems, Hyderabad.

Some of the faculties are either Editors or Editorial Board Members of reputed National and International Journals. A number of faculty of the department are also serving as reviewers of several professional journals of national and international repute. The faculty of the Department are also holding key positions in Board of Directors of reputed Public sector undertakings.

Achievements during the period of report

Achievements during 1st April 2015 to 31st March 2016
Dr. Harsha Vardhan and Dr. M. Aruna are working with Govt. of Karnataka in connection with Lease Boundary Mine Survey.
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).

Department of Metallurgical And Materials Engineering

Achievements up to 31 st March 2015	Achievements during 1 st April 2015 to 31 st March 2016
Total no. of Ph.Ds = 33	4
Total No. of Paper Published = 463	Total No. of Paper Published = 76

**Department of Metallurgical & Materials Engineering
Books Published**

1. Prabhu K.N., Nanofluids as Alternate Coolants in Steel Industry , Encyclopedia of Iron, Steel, and Their Alloys (Eds. Rafael Colás, George E. Totten) CRC Press, 2015

Prabhu K.N., Quenchants: Polymer, Encyclopedia of Iron, Steel, and Their Alloys (Eds. Rafael Colás, George E. Totten), CRC Press, 2015, 2744 – 2760.

Department of Physics

Achievements during 1st April 2015 to 31st March 2016
Best paper awarded for the paper entitled “Effect of substrate temperature on the structural and electrical properties of spray deposited lead sulfide thin films” Veena E(author) , KasturiV.Bangera (co-author), G.K.Shivakumar (co-author) presented in International conference on “Recent Advances in Nano Science and Technology 2015, held at Satyabama University, Chennai, during 8 th to 10 th July 2015
Best poster presentation award to Siby Thomas along with Dr. Ajith K M (Department of Physics, NITK) and Prof. M. C. Valsakumar (Department of Physics, IIT Palakkad) during the International Conference on Condensed Matter and Applied Physics (ICC-2015) at Bikaner, Rajasthan during 30-31, October 2015.
Smruthika Subramani (M.Sc. Physics Batch of 2013-15) Got selected for PhD in biophysics at Max Planck Institute of dynamics and self-organisation in Gottingen,Germany, working in Prof Eberhard Bodenschatz ' s group
Raison D’souza, (M.Sc. Physics Batch of 2013-15) Selected for a PhD position at the International Max Planck Research School for Ultrafast Imaging and Structural Dynamics (IMPRS UFAST), Max Planck Institute for the Structure and Dynamics of Matter at Hamburg, Germany.

Addition(s) to Building Infrastructure

Department of Civil engineering

Commissioning of one passenger lift of 13-passenger capacity.

Department Of Computer Engineeing

- Western Teaching Block is under construction.
- New building for the department is being constructed.

Department of Chemistry

- Addition of half floor space after vertical extension of building of the Department.

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 Physics

- Construction of Laboratory space in PH 218 for Dr. Kishore Sridharan

Department of Physical Education & Sports

ACHIEVEMENTS:

1. Dasara Tournaments: Basketball (Men) District level Runners, TT (Men) – Runners-Up.
2. BSA Kumar Inter collegiate Basketball tournament conducted by yenepoya University – Runner-Up.
3. All India Inter NIT Athletics, Weight Lifting, Power Lifting and Body building Championship Held at MNIT Jaipur: Won Team Championship In Body Building and Mr. Prathamesh of I M Tech was declared as Mr.NIT for the year, 2015-16.
4. All India Inter NIT Sports held at SVNIT Surat, Badminton, (Men) Second Runner-Up, Tennis, Runner-Up.
5. All India Inter NIT Sporta held at NIT, Calicut, Basketball Men and Women teams were Second Runner-Ups.
6. All India Inter NIT Sports held at NITK Surathkal during, 18th to 20th March, 2016 Institute Aquatics Men team won Team Championship, Aquatics Women team won team Championship and Hockey team won First place.
7. In “REVELS” All India Inter Engineering Collegiate Tournaments organized by MIT, Manipal: Volleyball Women teams were Runners-Up.
8. NITK Cup, 2015-16 Chess Tournament held at NITK Surathkal: Institute Men & Women Team were Winners.

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 [20 acres land] of the vast complex of NITK. The major goals of the NITK-STEP is to create a healthy start up technology ventures through Business Incubation, capitalize on the intellectual base at the academia to develop competitive business units, to nurture and grow the spirit of Techno-Entrepreneurship and Entrepreneurial Thinking through promotion of appropriate training programs and capacity building, to reach out to the young, unemployed youth in the region and improve their employability by imparting Technology based skill development programs etc. STEP was formed as an independent registered society in the year 1994 by the erstwhile KREC. It became functional in 1998 by setting up its administrative and entrepreneurs' block along with other required infrastructure.

NITK- STEP has incubated so far about 30 incubatees (physical incubation), of which a few have established multicrores sales turnover companies employing hundreds of knowledge workers. A few of the innovators prompted have turned out to be outstanding ones bagging reputed, national and international level awards.

VISION:

Entrepreneurship Development through Business Incubation, Innovation, Training and Skill Enhancement in a value driven and service focused environment-targeting benefits to all the participating agencies.

GOALS:

- To create healthy startup units through Business Incubation, innovative business models.
- To capitalize on the Intellectual base at academia to develop competitive units.
- To grow the spirit of Entrepreneurship, entrepreneurial thinking and leveraging entrepreneurial capabilities by promoting EDPs, TEDPs, FDPs in the region.
- To reach out to young unemployed youths in the region & improve employability through Skill Development Programmes.
- To gear up as an "Out Reach Center" to interface with innovators, funding agencies for speedy implementation of innovative projects of commercial potential.
- Networking with technologists, entrepreneurs and commercial funding agencies.
- To constantly improve the quality of value added service to our clients.

FACILITIES:

Dedicated building for Business Incubation with independent units of sizes 150, 400, 500, 650, 1250 sq.ft (Total 14 Nos) to accommodate 14 units of varying employee strengths.

Video Conferencing

Executive training hall

Dedicated DG sets for 24 hrs power supply

Round the clock security

Linkage with the institute faculty for technology dependent developmental needs

New Facility created:

Sl. No	Description of the facility
	Dedicated Incubation facility for NITK students to promote their innovations & business ideas. 3 independent units with complete interiors.

BUSINESS INCUBATION SERVICES TO STARTUPS & DEVELOPING UNITS:

Idea validation for the development of the business concept

Technology dependent services for product development

Infrastructure support to test product & establish product viability

Patent filing support

Entrepreneurial training, mentoring & business forming support

Target market breakthrough support on select basis

Product display support in industrial fair, trade exhibitions etc.

Seed capital support

Support services for innovators to capitalize funding opportunities of different government and other agencies:

Fine tuning/refinement, of the innovative idea to qualify funding agency needs.

Assistance in documentation/project proposal preparation.

Preliminary screening and approval of proposals

Follow-up support for final clearance at the funding agency's end.

Project monitoring and advisory support on troubleshooting.

Decision support on suitability of the product to qualify patenting needs and stage of patent filing.

Business development support for creation of startups.

Product display in exhibitions/trade fairs.

Status of Existing Incubatee units:

Sl. No	Name of the incubatee unit/Product, Technology
1	Expert Vision labs Pvt Ltd Imaging Technology Product (Import substitution)
2	NGCN Info solutions Pvt Ltd.

	Networking, Cloud Computing, Network Cloud Convergence
3	Pixelabz Multi Media Technology services
4	MINDSTACK Technologies Web Design and Development
5	AUTOMATION APPS LLP Web Design and Development Automation info services Involves in Designing, Developing and Integrating complete information systems. Professional services including Training, Business security, Operations and advising clients on the user of the Information technology. Expatriation: Accounts, Inventory, Banking and Database applications
6	<p>Chaos Labs Reasearch & Development, Manu facturing of Electronic items. Chaos energy LABSpvt Ltd. is an applied science start-up company chaos energy LABSpvt Ltd focuses on engineering the fundamental laws of sciences to create innovative technological products. Since its inception chaos energy LABS has come up with three products - G-ONE batteries, HONEY-BEE, and ROTOSPIN</p> <p>HONEY BEE- A mechanically rechargeable portable power source for portable charging applications. Honey Bee is an off the grid, on demand mobile charger. With honey bee your smart phone battery is never going to die. Honey bee device is a very sleek device which can be attached to the backside of your phone while charging. To charge your phone, all you need to do is to put a capsule in to the device and connect to the phone via USB. The phone will be charging at 5V,550 mA.</p> <p>G-ONE BATTERY -A lead free, low cost and long lasting alternative to conventional lead acid batteries. Chaos energy LABS launches G-ONE batteries as a safer, cleaner and cheaper alternative to the current UPS battery segments. Our team has successfully modulated the nature of a well-known electrochemical reaction governed by Poissons equation to increase the life to about 2700 cycles. More over g-one is lighter and cheaper than lead acids. House hold and industrial UPS market segments are heavily dominated by lead acid batteries. The lead recovery from these batteries is not efficient in many of the developing countries including India. Almost 40% of the lead goes in to the environment which is a severe threat to the environment. Still lead acid battery leads the market due to its cheap capital requirement and ease of fabrication. The latest Li-ion batteries are promising long cycle life henceforth reducing the cost per cycle but its very high capital requirement present a huge barrier and also it has got several safety issues. A safer, cleaner and cheaper alternative to lead acid battery is crucial and chaos LABS team has just lived up to it.</p> <p>R-SPIN- A high throughput completely mechanical spinning machine tailored at chaos energy LABS. Spinning machine which utilizes the centrifugal force and hydro-static force developed during the rotation of a polymer solution inside a small cylindrical container and utilizing this to synthesize fibers of micro and Nano dimensions by extruding through a small hole on the container. Unlike electro-spinning, the most common method currently being employed (which draws fibers through the use of electrostatic force), centrifugal hydro-static spinning machine utilizes</p>

	centrifugal and hydro-static forces, which allow for a host of new materials
7	<p>Skill Soft Technologies Skill Development , IT Infrastructure Management Services SKILL SOFT TECHNOLOGIES is an education and career service provider for System / Storage & Virtualization Technologies With fully equipped training centers in Bangalore and Mangalore having a strong mission is to deliver quality Learning services to clients & participants through practical programs that support their strong career growth and development. Skill soft technologies bridge the gap between the need of the industry for knowledgeable and skilled professionals to produce highly qualified candidates</p>
8	<p>Technisys IT Infrastructure Management Services Technisys was started with the primary objective of offering products and services in the field of Information Technology</p>
9	<p>INNATE Enterprise Management Solutions VOW is an innovative path breaking technology platform, that delivers convenience, safety and flexibility to its customers by providing both inter & intra city rides. Vow provide traditional cab operators an even playing field to compete with app only aggregators.</p>

Programs organized by STEP in the region:

Organized an Express Talk on “Chase the Vision, not the Money” by Mr. Yeshaswi Nag, Project Coordinator, EDI Ahmedabad on 11/03/2016 at NITK Surathkal

STUDENT STARTUPS FUNDED IN 2015-16

In the 30th meeting of the BOG held on 13th November 2015 it was decided by the NITK-STEP Board to offer financial support to NITK Student Startups incubated at NITK-STEP to foster the startups by students and former students from ‘one time Technology Incubation Fund’ and to promote the culture of innovation. Startup India is a flagship initiative of the Government of India, intended to build a strong ecosystem for nurturing innovation and startups in the country. In line with the initiative, NITK-STEP has announced an action plan that accelerates spreading of the startup movement.

STUDENT STARTUPS FUNDED IN 2015-16.	
Name of the startup	Funds Provided (Rs in Lakhs)
CYBERHOME	3
WINKL	3
CAMPUSCONNECT	3

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

(A)

Sl.No	Title of the Course	Duration	No. of Participants	Course intended for
1	Design & Management of Irrigation Schemes	27.07.2015 to 31.07.2015	19	CEP course for PWD Engineers sponsored by Engg Staff College, K.R.Sagara, organized at Dept. Of Applied Mechanics & Hydraulics
2	Water Supply & Irrigation Schemes	24.08.2015 to 28.08.2015	16	-do-
3	Basics of Chemical Engineering	10.08.2015 to 09.11.2015	12	Extension course for the Associate Management Trainees sponsored by MCF, Panambur. Organized by Dept. Of Chemical Engg., on working days from 2 to 5 p.m.
4	Structural Construction in B.C. Soil, Hard Soil, Rock & Quality Management	04.01.2016 to 08.01.2016	06	Proposed CEP course for PWD Engineers sponsored by Engg Staff College, K.R.Sagara, organized at Dept. Of Civil Engg.

(B) QIP CENTRE Activity Details during 2015-16:

I) Advance Admission to Ph.D under QIP (Engineering) Scheme :

No. of Applications Received	No. of applications recommended	No. of Candidates selected for advance admission	No. of candidates completed 60 days contact programme as on 31-3-2016	Remarks
76	15	09	04	Advance Admission to 2015-16, final admission 2016-17
85	13	Not received the selected list as on 31-3-2016, from the Principal Coordinator, IIT, Bombay	--	Advance admission to 2016-17, final admission 2017-18

II) Advance Admission to Ph.D under QIP (Poly) Scheme:

No. of Applications Received	No. of candidates called for interview	No. of Candidates selected for advance admission	No. of candidates completed 60 days contact programme as on 31-3-2016	Remarks
12	12	Nil	--	Advance admission to 2015-16, final admission 2016-17

III) Admission to Master's degree under Engineering Scheme:

No. of Applications Received	No. of applications recommended	No. of Candidates selected	No. of candidates admitted as on 31-3-2016	Remarks
10	05	03	02	Academic session 2015-16
15	07	Not received the selected list as on 31-3-2016, from the Principal Coordinator, IIT, Bombay	--	Academic Session 2016-17

IV) Admission to Master's Degree under Poly Scheme:

No. of Applications Received	No. of applications recommended	No. of Candidates selected	No. of candidates admitted as on 31-3-2016	Remarks
12	11	07	01	Academic session 2015-16

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. FINANCE AND ACCOUNTS

The Financial Status (2015-16)			
SOURCE OF FUNDS			
Ministry of Human Resource Development, New Delhi.			
			Rs. in lakhs
Plan Grants			4400.00
Non Plan Grants			5500.00
Project Grants			810.23
Expenditure position for last three years			
			Rs. in lakhs
Year	Plan	Non Plan	Total
2013-14	4671.77	7319.30	11991.07
2014-15	7790.51	8536.88	16327.39
2015-16	5922.49	6715.98	12638.47
Total	18384.77	22572.16	40956.93

FINANCE AND ACCOUNT DETAILS

BALANCE SHEET AS AT 31-03-2016			
			(AMOUNT - Rs.)
PARTICULARS	SCH. NO.	CURRENT YEAR	PREVIOUS YEAR
SOURCE OF FUNDS :			
Corpus/Capital Fund	1	2,879,305,034	3,027,881,111
Designated/ Earmarked/ Endowment Funds	2	1,854,194,191	1,438,552,695
Current Liabilities And Provisions	3	546,936,093	513,667,191
TEQIP PROJECT - PHASE I	23	184,237,765	184,237,765
TEQIP PROJECT - PHASE II	24	92,926,806	78,525,242
TOTAL		5,557,599,889	5,242,864,004
APPLICATION OF FUNDS :			
Fixed Assets	4		
Tangible Assets		1,952,262,391	2,032,195,241
Intangible Assets		15,875,886	7,321,351
Capital Works-In-Progress		984,032,470	520,439,419
Investments From Earmarked/ Endowment Funds	5		
Long Term		1,226,755,564	1,081,054,278
Short Term		-	-
Investments - Others	6	-	-
Current Assets	7	526,556,807	426,673,276
Loans, Advances & Deposites	8	574,952,200	912,417,432
TEQIP PROJECT - PHASE I	23	184,237,765	184,237,765
TEQIP PROJECT - PHASE II	24	92,926,806	78,525,242
TOTAL		5,557,599,889	5,242,864,004

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH
2016**

			(AMOUNT - Rs.)
PARTICULARS	SC.NO.	CURRENT YEAR	PREVIOUS YEAR
<u>INCOME:</u>			
ACADEMIC RECEIPTS	9	326,808,384	282,461,218
GRANTS/SUBSIDIES	10	869,989,165	814,326,101
INCOME FROM INVESTMENTS	11	18,817,542	19,204,532
INTEREST EARNED	12	5,195,984	4,835,981
OTHER INCOME	13	57,293,944	53,249,824
OTHER RESEARCH PROJECTS		33,801,457	21,744,293
PRIOR PERIOD INCOME	14	-	-
TOTAL (A)		1,311,906,476	1,195,821,949
<u>EXPENDITURE:</u>			
STAFF PAYMENTS & BENEFITS	15	686,322,982	615,878,193
ACADEMIC EXPENSES	16	331,597,576	247,682,402
ADMINISTRATIVE & GENERAL EXPENSES	17	126,981,598	112,698,155
TRANSPORTATION EXPENSES	18	1,003,241	1,054,035
REPAIRS & MAINTENACE	19	139,283,127	99,690,421
FINANCE COST	20	-	-
DEPRECIATION	4	232,947,564	246,219,797
OTHER EXPENSES	21	148,829,838	124,123,773
PRIOR PERIOD EXPENSES	22	1,302,645	36,786,151
TOTAL (B)		1,668,268,571	1,484,132,927
<u>BALANCE:</u>			
EXCESS OF EXPENDITURE OVER INCOME	(A-B)	356,362,095	288,310,978

Receipts & Payments for the year ended 31.03.2016

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
Opening Balances:			Expenses:		
(a) Cash in hand	182639	32,738	(a) Establishment Expenses	610,209,361	530,579,273
(b) Bank Balances:			(b) Administrative Expenses	604,675,417	405,160,416
(i) In current accounts	31367042	73,674,809			
(ii) Savings accounts	111742297	105,713,168	Payments Against Earmarked/Endowment Funds	245,790,831	26,865,939
Grants Received:			Payments Against Sponsored Projects / Schemes	88,040,535	81,599,273
(a) From Govt. of India Plan Grant - General Non -Plan Grant	440,000,000 550,000,000	836,934,000	Investments Made Out of Earmarked/Endowment Fund Out of Own Fund	341,920,109	763,054,602
b) From State Govt.	-----	-----	Expenditure on Fixed Assets & Capital Work - in - progress:	602,273,446	734,285,158
Academic Receipts	398,625,719	340,523,835	Deposits & Advances	897,565,967	698,306,060
Receipts Against Earmarked/Endowment Funds	688,386,717	91,588,894	Payments made against Funds for various projects:	1,370,460,235	963,753,825
Receipts Against Sponsored Projects / Schemes	176,578,301	97,264,482	Any Other Payments :	625,582,943	67,007,522
Income on Investments	11,811,255	14,784,348	Closing Balances:		
Interest Received	4,744,609	4,358,055	(a) Cash in hand	126,570	182,639
Deposits & Advances	906,753,331	977,527,652	(b) Bank Balances:		
Investments Encashed	386,300,000	707,560,149	(i) In current accounts	138,640,850	31,367,042
Any other receipts:	1,856,648,559	1,163,941,917	(ii) Savings accounts	37,854,206	111,742,297
TOTAL	5,563,140,470	4,413,904,046	TOTAL	5,563,140,470	4,413,904,046