NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL - 575 025



13th ANNUAL CONVOCATION

November 14, 2015



VISION

To facilitate transformation into good human beings, responsible citizens and competent professionals focusing on assimilation, generation and dissemination of knowledge.

MISSION

- Impart quality education to meet the needs of profession and society and achieve excellence in teaching-learning and research.
- Attract and develop trained and committed human resource and provide an environment conducive to innovation, creativity, team-spirit and entrepreneurial leadership.
- Facilitate effective interactions among faculty and students and foster networking with alumni, industries, institutions and other stake holders.
- Practise and promote high standards of professional ethics, transparency and accountability.

THIRTEENTH ANNUAL CONVOCATION

November 14, 2015



National Institute of Technology Karnataka, Surathkal

(An Institute of National Importance established by an Act of Parliament)

Surathkal - 575 025, India www.nitk.ac.in

National Institute of Technology Karnataka, Surathkal

Mangalore-575 025, India

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Thirteenth ANNUAL CONVOCATION Welcome Address and Institute Report Prof. Swapan Bhattacharya Director, NITK, Surathkal

Esteemed Chief Guest of the Convocation function, Prof. Kazuhiko Hasegawa, Respected Ms. Vanitha Narayanan, Chairperson, Board of Governors of NITK, members of the BOG, members of the Senate, degree recipients, distinguished guests, proud Parents, members of the media and my dear colleagues on the faculty and staff of NITK, it is my proud privilege to welcome you all to this Thirteenth Annual Convocation of our Institute.

We are very happy to have with us as our Chief Guest, Prof. Kazuhiko Hasegawa, Chairman, Department of Naval Architecture and Ocean Engineering, Osaka University Japan. Prof. Hasegawa is internationally recognized as an accomplished researcher, distinguished consultant to industry and transformative leader in the domain of higher education. On, behalf of the Institute, on behalf of each one of you present here and on my personal behalf, I extend a warm welcome to Prof. Kazuhiko Hasegawa.

We are also happy to have with us our Chairperson, Board of Governors, Ms. Vanitha Narayanan, the Managing Director of IBM India Private Limited, and the Regional General Manager of IBM for India/ South Asia (ISA). On behalf of the Institute, on behalf of each one of you present here and on my personal behalf, I extend a warm welcome to Ms. Vanitha Narayanan.

I welcome all the distinguished members of the Board of Governors and members of the Institute Senate, who at our request, have arrived here to be with us on this day. I also welcome all our esteemed guests who have kindly responded to our invitation and are present here to grace the occasion. I especially welcome all our graduands of the year 2014-15 batch, who are eagerly awaiting their turn to go over to the dais to receive their degrees. I also welcome all the proud parents and guardians who are here to watch their wards receive their degrees. Our warm welcome, to all the members of the media, who are here to cover this event. I welcome all the members of the NITK family — the faculty, staff and students to this solemn occasion. Once again, I welcome one and all to this solemn ceremony.

Introduction

NITK is committed to creating excellent human resources to meet all-round needs of the country in the areas of Engineering, Sciences, Social Sciences and Management. While our vision is to transform our students into good human beings, responsible citizens and competent professionals, focusing on assimilation,

generation and dissemination of knowledge, our mission is to impart high quality education, develop talented and committed human resource that will serve the society with distinction, facilitate interaction amongst the various stake holders and promote highest level of professional culture. Our sincere efforts to fulfil all the commitments envisaged by NIT Act and NIT Statutes are being fully supported by our own BOG, the Government of India, the Government of Karnataka and all other key partners and agencies.

Over the years, NITK, Surathkal, has achieved significant growth in various spheres of its activities. Our efforts in teaching, infrastructure building, Research and development, Testing and Consultancy, developing entrepreneurship, and student training and placement have been responsible for NITK being placed amongst the top technological institutions in the country. I wish to place on record our deep appreciation for all the contributions made by the members of our faculty and staff in imparting quality education, R&D efforts and Testing Consultancy initiatives. We also wish to acknowledge the strong support we receive for all our activities from our distinguished alumni who occupy coveted positions in the Industry.

It is now my pleasant duty to place before you, a brief report, highlighting our significant achievements during the year 2014-15. I wish to place before you, some of the new initiatives being taken at NITK to reach greater heights in teaching, research and out-reach activities and earn the status of "A National Institute with International Recognition".

Governance:

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NITK, an Institute of National Importance, is governed by the Board of Governors, under the NIT Act 2007 and Statutes laid down by the Govt. of India. The present Board is chaired by Ms. Vanitha Narayanan and has representatives from Govt. of India, Govt. of Karnataka, Industry, Educationists and the Institute Senate. The Director is the executive head of the institute. The day-to-day activities are carried out by the Director, with the support of Deans, Heads of Departments, Professor In-charge of Hostel Affairs & Professors In charge of various other activities, Registrar, Deputy Registrars and Assistant Registrars. A number of committees have been formed to facilitate the decision-making processes.

Faculty and Staff

Availability of high quality human resources has been the major factor contributing to the success achieved in different spheres of activities at NITK, all these years. The institute is making concerted efforts to fill up all the vacant positions, both in faculty cadre as well as Non-teaching staff. Four - Tier flexible faculty structure has already been adopted for filling up the vacant faculty positions. One round of faculty selection under four-tier structure has been carried out. The process of recruitment of personnel to non-teaching positions has been taken up. The entry level qualification for faculty members desiring to join NITK is a Ph.D degree with relevant post doctoral experience.

In addition to the teaching and administrative responsibilities, the faculty and staff members of the Institute are continuously involved with R&D activities, out-reach work and training programs. Our faculty

and staff members have been bestowed with honours, awards, recognitions and assignments by external agencies for their research and outreach activities. Quite a few of our faculty members have received honours such as Fullbright Scholarship to visit US Universities, secondment by the Govt. of India to teach at the prestigious Asian Institute of Technology, Bangkok, opportunities to visit laboratories abroad under their R&D projects, etc. Since December 2014, a total of twenty faculty members have visited leading universities all over the world for research interaction. A batch of thirty eight students from all disciplines will be travelling to Kagoshima University, Japan for spring internship in the month of March 2016. Several faculty members and students. Under GIAN program of MHRD, three Short Term Courses will be held at NITK in the year 2016. This has opened up a new world of opportunities for both faculty members and students. A number of joint research projects are being worked out with leading universities abroad.

As per the provisions of the 6th CPC, all eligible faculty members of the Institute have been given the benefit of Academic Grade Pay up-gradation and re-designation. Under the cumulative professional development allowance scheme, the faculty members are being provided financial support for membership of professional societies, purchase of laptops and books, attending training programs, national and international conferences and to pursue research interactions with leading researchers at prominent universities and laboratories abroad. NITK was one of the first few institutes to implement MACP for the non-teaching employees.

Financial Support:

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In view of the enhanced plan and non-plan grants, increase in R&D funding, increase in student intake, enhanced consultancy and testing output and initiation of a few new infrastructural projects, the total financial outlay has reached an impressive Rs. 158.12 Crores in 2014 -15. Similarly, the total internal revenue generation, through fee collectionand other receipts, has increased to Rs. 35.47 Crores which is approximately 24% of our committed non-plan expenditure. Our Corpus fund has also grown steadily to about Rs.81.13 Crores.

NITK is the beneficiary of financial support extended to Centrally Funded Institutions under Phase-II of the World Bank Assisted TEQIP Program. Under the scheme, NITK has received a total grant of Rs. 12.50 Crores. The main focus of TEQIP (Phase-II) is to improve the quality of postgraduate education and research to bring about an enhancement of our research activities and output.

Academic Activities:

As at present, NITK offers B.Tech programs in 9 disciplines and M.Tech programs in twenty five specializations. In addition, MSc Programs are offered in both Physics and Chemistry Departments and MBA and MCA programs are offered by School of Management and MACS departments, respectively. While M.Tech (Research) Programs have been started in all PG specializations, Doctoral research is also

being undertaken with scholars registered in all the Departments. A comprehensive Academic Audit of all the academic programs has been carried out by duely constituted Committees, having faculty from IITs and IISc and Industry-leaders as members, so as to make them contemporary, flexible and student-centric. All the programs are designed to be Credit-based, and have been developed so as to encourage self-learning and participation in co-curricular activities by the students. Special summer terms and supplementary peer mentoring by senior students in technical courses, language laboratory and personality development are being conducted to help weaker students. Tutoring of SC/ST students by senior students, initiated at NITK, has been identified as a best practice and is being adopted in other Institutions.

For the academic year 2015-16, 825 students, including 106 students under the DASA program, were admitted to the B.Tech. program based on their scores in JEE (Mains)/SAT Examinations. This accounts for almost 95.04% of our sanctioned strength. For the Post-graduate programs, 689 students, representing 75.63% of our sanctioned strength havebeen admitted. Admissions to the M.Tech programs were mainly based on their scores in the GATE-2014/ 2015 Examinations. For admissions to both B.Tech and M.Tech programs, NITK is a partner in the centralized, computer-assisted admission processes. The admissions to MCA and MBA programs were based on scores obtained by the aspirants in the national level examinations NIMCET-2015 and CAT-2014, respectively.

A total of 142 students joined our Doctoral programs during 2015-16, indicating increased focus on research at the Institute. NITK is preferred by teachers from other Engineering Colleges and Polytechnics for pursuing graduate and doctoral studies under QIP scheme of the Government of India. This year, four such teachers have enrolled for our M. Tech programs.

Students' performance in examinations continues to remain excellent with an overall pass percentage of 97.5%. Large number of our students have graduated with distinction. This year too, our students have excelled in GATE-2015 and CAT-2014 examinations, which have fetched them admissions to top technological and business schools of India to pursue their post-graduate programs or MBA studies. A higher percentage of students, compared to last year, have obtained admissions to some of the best universities in USA and Europe.

Web-based learning materials, especially those supported by National Program on Technology-enhanced Learning (NPTEL), are increasingly being used by our faculty and students. State-of-art facilities like audiosupport systems in classes, virtual laboratories, virtual classrooms, and a video conferencing facility have been created and are being increasingly used.

R & D Activities:

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The Institute has gradually made a transition to a Teaching cum Research Institute, with more and more R&D initiatives being pursued by the faculty. While the administration is trying to improve the research ambience in the Institute, the members of the faculty are responding to such initiatives by getting a large

number of innovative R&D Projects sanctioned by various funding agencies like MHRD,DST, CSIR, DRDO, DBT, MCIT, DIT, BRNS and BRFST. At present, the Institute has about 59 on-going externally sponsored R&D projects with total budget of Rs. 34.2 crores. About 27 internally funded projects are being carried out by the newly recruited faculty under the Seed Grant Scheme of the Institute. Our faculty is now participating in international research projects with their collaborators from laboratories in Korea, Malaysia, Japan, Switzerland, Ukraine, etc.,. Currently, 623 students are enrolled for the doctoral programs at NITK. I am very pleased to state that 73 candidates are going to receive their doctoral degrees in this convocation. During the year of report, our faculty have contributed 368 research papers in international and national Journals and have presented 414 papers in international and national Conferences. Fresh initiatives are being taken to encourage the faculty and students to patent their ideas and the new technologies developed by them. During the year, 89 of our faculty have attended conferences outside India to present their research findings and for carrying out research interactions.

BOG

Creation of Centers of multi-disciplinary research, establishment of industry-sponsored professorial chairs, increased R&D collaboration with industry and networking with our alumni are some of the measures being pursued to promote the R&D Culture at our Institute. During the period 2014-15, 10 new MOUs were signed with leading national and international universities and industries to promote research collaboration and exchange of students/faculty. NITK has active MOUs with, Hexagon Capability Center India Private Limited, IBM India Pvt. Ltd., ABB India, Father Muller Medical College, Frontier Areas of Science & Technology (FAST), MHRD, The Indian Navy, MDI Gurgaon, Larsen & Toubro Limited (L&T Construction), University of Seville (UoS), Spain, ProSIM R& D Pvt. Ltd., AB Volvo Group Sweden, Robert Bosch Engineering and Business Solutions Limited (RBEI), Bangalore, Indian Institute of Science, Bangalore, Mercedes-Benz Research and Development India Private Limited (MBRDI), Bangalore, Bhabha Atomic Research Centre (BARC), Mumbai, National Aerospace Laboratories (NAL), National Technical University of Ukraine "Kyiv Polytechnic Institute", MITACS INC, of Canada. NITK also has active MOUs with universities such as Michigan State University, Kumamato University and Kagoshima University in Japan, Deakin University, Australia, Pennsylvania State University, USA, Dublin City University, Ireland, Ulsan University, South Korea, Western Switzerland University, IRD of France, IIT, Madras and NIT-Calicut. Joint R&D is being promoted through MOUs with National Laboratories and Industries such as CPRI, ITI, IPR, ONGC, Robert Bosch, IBM-India, AMD, etc.,. All these MOUs facilitate exchange of faculty and students, joint R&D projects, and organization of international symposia and seminars, in the institute.

Continuing education programs are crucial for faculty development. NITK has conducted 78 such programs for the year 2014-15, including workshops and conferences in major areas of technology, pedagogy, content delivery and research. In all these programs distinguished speakers from higher institutes of learning, industry and leading R&D labs were invited to share their research experiences with the participants and expose them to newer technologies and innovations.

Infrastructural Facilities:

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Consequent to the growing number of students entering the Institute as per the policies of the Government and their academic needs, the infrastructural facilities in the Institute campus are being added regularly and are also being upgraded.

The Institute is spread over 295 acres of land and is presently having about 2,23,500 sqm of built up area. The main infrastructure includes Administrative Offices which are housed in the Main Building of the Institute, laboratory buildings, department buildings, Central Computer Center, Central Library, Lecture hall blocks, Student Activity Center (Open Air Theatre), Staff Recreation Center, Seminar halls, Silver Jubilee Commemoration Auditorium, Health Care Center, Yogic Center, Pavilion - a hall for cultural programme, various hostel blocks for girls' and boys', Guesthouse buildings, Staff residential quarters (about 320 dwelling Units), swimming pool and other sports amenities. Most of the Departments are now housed in independent buildings. There are nearly 150 classrooms in different buildings. The sports amenities include cricket ground, football ground, basket ball courts, volley ball courts, table tennis, badminton courts etc. A full fledged fitness center/gymnasium exists in the premises of the Mega-Hostel block. The campus also provides amenities such as Food court, canteens, Students Co-operative Society and Staff Co-operative Societies, Banks with ATM, Post Office, NCC Office, two commercial complexes having bakery shop, printing press, Xerox shop, saloon, beauty parlours, readymade dress shop, tailoring shop, milk parlours etc.

There are three Sewage Treatment Plants (about 1220 KLD of total capacity) working in the campus. Presently, treated water from one of the STP is being used for secondary use in the Mega Hostel. It is proposed to use the treated water from other two STPs for secondary use in other hostel blocks, academic buildings and gardening purpose for which a pilot project is being worked out.

The campus is provided with a 33kV electrical substation. This ensures quality electrical power to all the hostels, offices, workshops, laboratories, departments and staff quarters in the campus. In addition, the Institute has several diesel- generator sets of various capacities housed in the various powerhouses - generating about 1,200 KVA power - to provide uninterrupted electrical power supply.

The campus has adequate water storage facilities in the form of sump tanks and overhead tanks. In addition to getting water required for the campus from the City Corporation, the Institute is also has additional water resources in the form of open wells and bore-wells.

The Institute has constructed an Underpass across the National Highway so as to connect the western and eastern parts of the campus. This Underpass facilitates safe passage of the students, staff and other visitors to the Institute, without having to cross the the national highway with heavy traffic density.

During the period of this Report, many old laboratories have been renovated and upgraded in terms of installation of state-of-art equipment with the financial support from various sponsored research projects,

TEQIP-Phase 2, and Plan grants from the Govt. of India.

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To make the existing buildings user friendly for persons with disabilities (PWDs), passenger lifts are being provided in phases. At present, Lifts have been provided at Health Care Center and Central Computer Center.

The following new buildings are under construction in the Institute campus through the Central Public Works Department

SI. No.	Name of the project	Estimate Cost (Rs.)
1	Construction of new Teaching block at western side of NITK campus (WTB)	23.5584 crore
2	Construction of new Boy's hostel building of 500 single occupancy rooms.	51.1439 crore
3	Construction of new building for the Dept. of Computer Science and Engineering	33.0573 crore
4	Construction of new Sports Complex.	34.0689 crore
5	Construction of new Ladies Hostel building of 250 single occupancy rooms.	22.6675 crore
6	Construction of new additional space for Library and renovation of existing Library.	15.1707 crore
7	Const. of new Faculty apartments. (2 apartments of 24 units each - One of "Type V" and one of "Type VI")	38.8112 crore
8	Cons. of new Non-Faculty apartments. (2 apartments of 28 units each - One of "Type III" and one of "Type IV")	21.3579 crore
9	Vertical extension of Basic Sciences building (5th and 6th floors).	13.25668 crore
10	Vertical extension of new Mechanical Engineering block (4th,5th and 6th floors).	23.58223 crore
11	Vertical extension of Applied Mechanics building (2nd to 6th floors) & connecting over-bridge between Applied Mechanics and Civil Engg. department buildings.	10.40688 crore
12	Horizontal extension of PG Chemical Engineering building (Ground + 6 floors).	16.50185 crore

The following new projects are in the pipeline.

SI No.	Name of the Project		
1	Construction of new building for "School of Management"		
2	Construction of a new building for "School of Interdisciplinary Studies";		
3	Additional Faculty apartments (Type V and Type VI): and		
4	Additional Non-faculty apartments (Type III and Type IV)		
5	Development of children's park		

Central Facilities and Support:

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Central Library - The Central Library of NITK, which works 16 hours a day, provides access to more than 1.5 Lakhs books, more than 3000 e-books, 400+ print Journals and periodicals, 6,000+ full text e-journals, 32,806 Standards, about 41,537 abstract e-journals, 8,695 Conference proceedings. A large repository of ASTM, Indian Standards and other codes are also accessible. Our Library is a member of NIT Consortium, INDEST-AICTE Consortium, DELNET and INFLIBNET. Central Library has Wi-Fi facility and 25 dedicated computer systems in the Digital Library Section, which support access to digital resources. In recent years, a large number of e-learning resource materials have been purchased on different topics.

Central Computer Centre

CCC provides the campus backbone services with about 20 kms of 12 core OFC using 1 Gbps& 10 Gbps backbone to the different buildings and broad band to the residences. The Data centre acts as an integration hub of OFC/backbone. It houses the 155 Mbps Internet connection to BSNL, the 1Gbps link to the National Knowledge Network (Internet bandwidth about 330Mbps), associated networking equipments and sufficient hardware to handle the critical backbone network services. Main servers are connected to the Data Centre network. Critical services are accessible from inside and outside the network. Departments, residences (through the broadband), directorate (and administrative net), guest houses and hostels are individually connected to the core switch. At present, the hostel networks are integrated into the academic network of NITK sharing the Internet bandwidth of the Institute. The hostels have a total of 3000 nodes which will increase to approximately 5000 nodes. The academic LAN has about 2000 nodes at present, which is likely to go up once the new buildings are completed. CCC LAN augments the academic departments' needs through its own modest LAN of 62 nodes (Ground Floor of Computer Center) and 84 nodes (First Floor of Computer Center). The ground floor hall is used for the first year computational practice laboratory and is available for other activities after the lab-hours. The first floor hall is available for general purpose computing & browsing. The computers of CCC are used to support First year Computational Practice Labs, General Purpose Learning & Internet access, On-Line tests (Training& Placement) & various co-curricular and other student activities.

NITK is proud to have associated centers on the campus such as NITK-STEP, Nirmithi Kendra, NTMIS Nodal Centre, R&D Centre for Building Materials and IGNOU Study Centre. These Centers have been created with support from agencies like GOI, GOK, DST, AICTE, District Administration and industries of the region. These Centers are effectively contributing in the areas of rural development, technology transfer, incubation of new entrepreneurs, training of Governmental and Industrial personnel etc., in which our faculty participate enthusiastically.

Campus amenities extended for faculty and staff, include three schools operating from within the Institute Campus. In addition, these schools also cater to the educational needs of the children from the neighbourhood.

During the last few years the Institute administration, steered by our BOG, has taken major steps in improving the Health Care facilities for the students and families of the staff and faculty of the Institute. Empanelment of specialists to visit the Institute Health Care Centre for consultancy, availability of specialists in Allopathy, Homeopathy and Ayurveda and tie-ups with leading hospitals of the region to provide speedy and cash-less medical treatment are a few of the special initiatives undertaken by the Institute. Services of experts are sought to offer counseling and psychological testing facilities for the benefit of students.

Industry-Institute Collaborations:

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NITK understands that the objective of effective training of our students can only be met when we have meaningful and continuous interaction with industry. Accordingly efforts are on to enhance the interaction with industry in a variety of ways such as, support derived from the Industry for establishing and upgrading the laboratories, delivery of academic courses by Industry experts, joint R&D Projects with industry houses, establishment of industry-sponsored professorial chairs, creating opportunities for training of faculty, staff and students in the collaborating industry and providing content/skill up-gradation programs for industrial personnel. Active MOUs with industrial giants like Hexagon, ABB India, IBM India Pvt. Ltd., L&T Construction, AB Volvo, PROSIM R&D, Robert Bosch, Mercedes-Benz Research & Development India, DELL, AMD, ONGC, ITI and Research Institutions like IISC, BARC, Mumbai, CMTI, CPRI, to name a few, stand testimony to such efforts.

Training and Placement:

The Department of Training and Placement of the Institute facilitates on-campus recruitment and placement of our students and also arranges for their training/internship in Industry. NITK is ranked amongst the topperforming institutions in the country for campus placements. During 2014-15, 228 reputed companies visited the campus, of which 145 companies were in IT/software domain while the other 83 were Core Industries in different disciplines. Put together they recruited 88% of our undergraduate students and 39% of our post-graduate students. Ten of our top students have been successful in getting offers above Rs. 20 lakhs per annum, the average package offered was Rs.8.30 Lakhs per annum; 115 students got double offers. During the summer vacation, 55 students went abroad for internships.

Students' Activities:

NITK offers a vibrant and active student life with several opportunities being provided for co-curricular and extra-curricular activities to nourish and develop their innate talents. A number of students club working under the overall aegis of Students Council, and student chapters of professional societies like Institution of Engineers (India), ISTE, Computer Society of India and IEEE, hosted a large number of technical and cultural events throughout the year. Apart from the sports facilities the institute has a Students Activity Centre (SAC), Silver Jubilee Auditorium and a Special Stage, where the Students Council manages about 26 clubs for activities like Music, Debate, Dance, Drama, Star Gazing, Photography, Yoga, Art, Euphoria,

etc. under the supervision of Faculty advisors, Dean Students' Welfare and SAS Officers. Activities like SPICMACAY, N.C.C. and N.S.S. are also supported in the Institute and separate units are established in the campus to provide necessary facilities. Institute level cultural / sports competitions like CRESCENDO (the intra-institute cultural festival organized by the NITK Hostellers) provides a nice platform to exhibit and showcase innate social and cultural talent possessed by our students. PHOENIX, the annual sports meet organized at institute level, BHARATH DARSHAN, the festival celebrating the cultural diversity of India, are being conducted as regular features of the Annual Calendar of the Students Council. In this students exhibit the different cultural events of all the states of India thereby provide a platform for social and cultural exchange. Students of NITK also organize INCIDENT, a national level cultural festival, and ENGINEER, which is the Annual Technical Symposium of NITK Surathkal. Both these events are recognized to be one of the largest of their kind in India. They attract large number of students from different parts of the country.

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At this point, I would like to spend some time describing the events conducted under the auspices of Engineer. Engineer is a completely different and mind blowing experience, which truly makes students proud to be engineers. The events in Engineer truly test their capability as engineers and gives them a chance to apply all the knowledge provided in the classroom to practical applications. The Tech-Nites at the end of the day provides a confluence of technical genius and fun. TEDx conferences, recently introduced in ENGINEER by our students, is an event where luminaries coming from different spheres exchange ideas with the participants. A record number of almost 3000 students participated in this edition of ENGINEER in more than 60 events, conducted in diverse fields of Computers, Mechanical engineering, Material sciences, Civil constructions, Astronomy, Electronics, Chemical and Business Management. This festival was held over 4 days from 8th to 11th October 2015. A new attraction that added further colour to ENGINEER '15 was the Organization of Engi Talks, which brought eminent personalities from various fields to share their ideas and experience with students. As main events this edition of ENGINEER had Technical DJ, Laughter night and a concert by Laghori Band.

The NIT conclave was started in 2011 as a pan-NIT event aimed at symbiotic exchange of ideas, information, skill and talent amongst the participating NITs. An aspect of this event is the effective sharing of knowledge, ideas and resource base to bring all the NITs at a uniform level of development, upholding the very concept of inclusive growth, the primary strategy for genuine progress of a nation. NITK, Surathkal hosted the 4th annual edition of NIT Conclave on 30th-31st August last year. The NIT conclave was organized at NIT Jalandhar this year. Team NITK was an active participant in this event and was judged to be the best participating NIT.

NITK students led in the field of sports as well. They participated in many tournaments and brought laurels to the institute. Here is a brief detail of the major achievements:

SL NO.	GAME/SPORTS	COMPETITION/TOURNAMENT	HOSTED BY	RESULT
1	Aquatics(Men)	All India Inter NIT	NITK Surathkal	Winners
2	Aquatics(Women)	All India Inter NIT	NITK Surathkal	Winners
3	Athletics	All India Inter NIT	NIT Rourkela	1 Gold m
4	Badminton(Men)	All India Inter NIT & Dasara	SVNIT Surat	Winners
5	Badminton (Women)	All India Inter NIT	SVNIT Surat	Runners up
6	Basket Ball (Men)	All India Inter NIT	SVNIT Surat	Runners up
		Naimsmith Cup		Winners
		BSA Kumar Tournament	Yenepoya Uni.	Winners
		Zest Cup	Govt. College Pune	Winners
		RAGHAM	NIT Calicut	Winners
		Slam Dunk	NITK	Runners up
		Revels	MIT Manipal	Runners up
7.	Basket Ball (Women)	All India Inter NIT	SVNIT Surat	Runners up
		Naimsmith Cup		Runners up
		RAGHAM	NIT Calicut	Runners up
		Slam Dunk	ΝΙΤΚ	Runners up
		Revels	MIT Manipal	Runners up
8.	Chess (Men)	All India Inter NIT	SVNIT Surat	
9.	Weight Lifting, Power Lifting & Best Physique	All India Inter NIT	SVNIT Surat	5 Gold Medal 2 Silver Medal 3 Bronze Medal
10.	Cricket (Men)	All India Inter NIT	MNIT Allahabad	
		KSCA League	Mangalore	III Place
		D.K.C.A. Inter Club Tournament	Mangalore	IV Place
11.	Handball (Men)	All India Inter NIT	NIT Agarthala	IV Place
12.	Hockey (Men)	All India Inter NIT	NIT Calicut	Winners
13.	Kabaddi	All India Inter NIT	NIT Calicut	Winners
14.	Tennis	All India Inter NIT	NIT Calicut	Winners
		Mangalore &Udupi Dist. Open Tennis Tournament		Winners
15.	Volley Ball (Men)	All India Inter NIT	NIT Kurukshetra	
16.	Volley Ball (Women)	Spike Fest	NITK	Runners up
17.	Table Tennis	All India Inter NIT	MANIT Bhopal	Runners up
18.	Football (Men)	All India Inter NIT	NIT Warangal	Runners up

Achievements and participation of NITK Surathkal in Sports and Games

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NITK Surathkal Staff Cricket Team won the Karavali Staff Cricket Tournament held at Alva's College, Moodabidre

Our students also take part in activities like NCC, NSS, NSO, SPICMACAY etc, which give them an opportunity to be sensitive to many a societal issue. They voluntarily participate in different events like Blood Donation

camp, Campus & Beach cleaning drive, Tree Plantation, Yoga and meditation camps, Value education, Internet-world for children, EDC and personality development programmes conducted in the institute by various forum.

NITK Alumni Association :

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The Alumni association of the Institute with a membership of more than 25,000 has been actively contributing to the growth of their Alma-Mater through several activities. Initiatives like scholarships and travel grants to students, financial aid to needy students, campus greening, support to innovation etc., have complemented the institutional efforts in providing additional support to the activities of our students. The association is keen to further strengthening its linkages with the institute in terms of establishing a professorial chairs and promoting a Centre for facilitating transformations of innovations at NITK by entrepreneurs. The Silver Re-unions of successive batches of graduates and Global Alumni meets conducted every two years are events that the alumni look forward to, to come back and rejoice the memories of their stay in this campus. To date, seven Global Alumni meets have been co-ordinated; the last edition was at San Fransisco, USA which attracted 350 Alumni from all over the world. This year the Global Alumni Meet is scheduled to be held during December 18-20, 2015, at NITK, Surathkal.

Societal Commitment and Out-reach Activities :

The institute has made significant efforts to discharge its societal commitments by providing technical advice to the society in the neighbourhood. Special training programs were conducted by NITK-STEP and D.K. Nirmithi Kendra for unemployed and under-employed youth from the neighbourhood. Several Refresher Programs were also conducted for in-service engineers from Govt. Agencies like KPWD, MESCOM and PMGSY and also from the leading industrial establishments in the region like MRPL and MCF.

Acknowledgement and Conclusions :

At this juncture, I personally acknowledge the support and encouragement received by us from the Chairperson and members of the Board of Governors. The members of the senate, all my colleagues, both faculty and non-teaching members, have been very supportive of all the new initiatives being contemplated and implemented. Again, on behalf of all the members of Team-NITK, I wish to place on record, our gratitude to the MHRD-GOI, Govt. of Karnataka and other agencies for their constant support and encouragement.

I wish to take this opportunity to convey my heartiest congratulations and best wishes to each one of you, graduands, receiving degrees, awards and medals. I record my appreciation for your disciplined behaviour and keen participation in the activities of the Institute. I am sure that your training at NITK has enabled you to become good human beings, responsible citizens and competent professionals, as professed by the Vision Statement of the Institute. While reminding you of your new responsibility of keeping the NITK

flag high, I assure you that best wishes of us all teachers will be with you. We look forward to you starting a new association with your Alma-Mater, as distinguished alumni, highly successful in their professional lives. I, on behalf of all elders present here, wish you all emotionally satisfying and contented personal lives too.

I once again thank the Chief Guest of the Thirteenth Convocation, Prof. Kazuhiko Hasegawa, our Chairperson, Ms. Vanitha Narayanan, members of the BOG and Institute Senate and all other distinguished guests for being with us today. I also record my sincere appreciation to all my colleagues and student friends, who have worked hard for successful conduct of the Thirteenth Convocation of our institute.

Thank you all,

Jai Hind

20C

Swapan Bhattacharya



Chairperson's Biodata Ms. Vanitha Narayanan

Chairperson, BoG-NITK, Surathkal

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Ms. Vanitha Narayanan is the Managing Director of IBM India Private Limited, and the Regional General Manager for India/ South Asia (ISA). Appointed to this leadership position in January, 2013, she is responsible for all of IBM's sales, marketing, services and global delivery operations in the India/South Asia region, including operations in Bangladesh, Nepal and Sri Lanka. India remains one of the fastest growing countries for IBM and has emerged as a strategic location within the company's global services delivery network.

Having joined IBM in the US in 1987, Ms. Narayanan has over 25 years of experience working with multiple client sets and in several countries. Since 2009, she has been a part of the IBM ISA business, serving in roles as the Sales & Distribution Leader and recently as the Managing Partner for Global Business Services (GBS). Prior to this, she has served as the Vice President of Communications sector, Asia Pacific, and the Global Vice President for IBM's telecom solutions offerings.

She is a member of IBM's Integration & Values Team which is comprised of senior Global Executives who are selected by the IBM Chairman. In 2012, Ms. Narayanan was inducted into the IBM Industry Academy, a select group of experts, designed to advance IBM's industry thought leadership and brand. Ms. Narayanan also leads several leadership development & diversity initiatives for ISA and is the executive sponsor for developing the women's leadership pipeline.

Ms. Narayanan is a member of the National Council of Confederation of Indian Industry (CII) for 2013-14.

She has a Masters in Business Administration in Marketing from the University of Madras and a Masters in Business Administration in Information Systems from University of Houston - Magna Cum Laude. Ms. Narayanan is married with a daughter and is presently residing in Bangalore, India.

Chairperson's Address

Ms. Vanitha Narayanan

Chairperson, BoG-NITK, Surathkal

Respected Professor Kazuhiko Hasegawa, Chief guest of the Thirteenth Convocation of the National Institute of Technology Karnataka, Surathkal, Professor Swapan Bhattacharya, Director, NITK, esteemed members of the Board of Governors, members of the senate, distinguished guests, graduates, parents, staff and students of NITK, members of the media, Ladies and Gentlemen.

I am honoured and delighted to be a part of the thirteenth convocation of this institution. NITK has completed fifty five fruitful years in the domain of technical education. Many students who have graduated from NITK have emerged as leaders in their respective professions. I am confident that students graduating today will make an impact as adept leaders and make valuable contributions to your professions and to the society at large.

Industries and professions are changing today – all driven by technology and underlined by digital transformations. From CEO's to heads of States, the top priority for leaders everywhere is business innovation underpinned by 'becoming digital'. This highlights the importance of building a knowledge economy, where knowledge and innovation will be the key drivers of growth and economic development. Amidst this transformation, skill is emerging as the new currency. As technology and business trends evolve, professionals at all levels have to continuously skill themselves to stay current and relevant.

You have a great launchpad with NITK. Every faculty member and staff of NITK has contributed to a congenial teaching-learning environment. It's heartening to see NITK students consistently winning awards in a number of international design contests in areas of great importance to society, such as renewable energy, low power design, and environmental protection.

Congratulations to each of you, as you embark on this exciting journey. I would like you to remember to give back to your alma-mater as you grow from strength to strength. Continue to innovate and learn, while retaining your core values, as this will prove to be your mainstay.

I am delighted to introduce our Chief Guest for today, Professor Kazuhiko Hasegawa, Chairman - Department of Naval Architecture and Ocean Engineering at Osaka University, Japan. He obtained the degree of Doctor of Engineering from Osaka University in 1982 and started his career as a research assistant in Naval Architecture and Ocean Engineering at Hiroshima University. He joined Osaka University in 1983 and served in various academic positions, rising to the position of Professor in 1998. He has visited various research institutes and conducted research in areas such as Ship Stability and Mechatronics. He has been honoured by the Society of Naval Architects of Japan in 1980 and the Kansai Society of Naval Architects in 1994. He is a member of the Society of Instrument and Control Engineers (Japan), Japan Society of Fuzzy Theory and Systems (SOFT), Institute of Systems, Control and Information Engineers (ISCIE) and Japanese Society of Marine Engineers (JSME).

Professor Hasegawa has published extensively, holds several international patents and has led several high profile research projects. He has visited several countries all over the world and is a consultant to several top corporate organizations. It is indeed our great fortune to have Professor Hasegawa with us as Chief Guest on this august occasion.

I request Professor Hasegawa to kindly deliver the convocation address during the thirteenth convocation of the National Institute of Technology, Karnataka, Surathkal.

Thank you.

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Thirteenth Annual Convocation



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Biodata of Chief Guest

Prof. Kazuhiko Hasegawa Chairman Department of Naval Architecture and Ocean Engineering Osaka University, Japan

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Professor Kazuhiko Hasegawa is serving as the Chairman of the Department of Naval Architecture and Ocean Engineering at Osaka University, Japan. He obtained the degree of Doctor of Engineering from Osaka University in 1982. He started his career as a research assistant in Naval Architecture and Ocean Engineering at Hiroshima University. He joined Osaka University in 1983 and served in various academic positions, rising to the position of Professor in 1998. He has visited various research institutes and conducted research in areas such as Ship Stability and Mechatronics. He has been honored by the Society of Naval Architects of Japan in 1980 and the Kansai Society of Naval Architects in 1994. He is a member of the Society of Instrument and Control Engineers (Japan), Japan Society of Fuzzy Theory and Systems (SOFT), Institute of Systems, Control and Information Engineers (ISCIE) and Japanese Society of Marine Engineers (JSME).

Professor Hasegawa has published extensively, holds several international patents and has led several high profile research projects. He has visited several countries all over the world and is a consultant to several top corporate organizations.

Convocation Address Prof . Kazuhiko Hasegawa Chairman

Department of Naval Architecture and Ocean Engineering Osaka University, Japan

Congratulations!

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Today your eyes are sparking, dreaming your brilliant future.

As an engineer and a professor, I sincerely congratulate your graduation and am happy and honourable to be here sharing it.

Before giving the speech for the convocation, I would like to introduce my relation with India. One day in 2007, 8 years ago, I have got an email wishing to come to Osaka University for master programme from a young student at an IIT.

He has realized his dream to get Japanese Government scholarship by my recommendation to get not only master degree but also doctor degree for 5 years and returned India getting a position of associate professor after taking PhD. I still receive many emails from various countries. The situation should be almost same with other distinguished professors. It is almost a lottery-win chance. I sometimes say to my students like this. Chance is a part of your talent. There are several other foreign students coming like him and now I have another Indian student who is now working for an autonomous surface ship. She has got Japanese Government scholarship through Japanese Embassy recommendation. She is from mechanical engineering background, and was engaging in robotics in India. One of other students from India in our department is Sarath Srinivasamurthy, and he is one of NITK ex-graduates.

India is the second largest country in population after China. I was so moved to the story of Mahatma Gandhi. It is not necessary to mention about him any more, but in the world still now there are many countries and regions where it is not mutually independent or stable. India is one of the most actively

changed countries, just like Japan. How did Japan change? Was there any strong strategy? The only thing Japanese have done is to work hard and hard to make money for each family. The result is what you know. Mitsubishi (1870-), TOYOTA (1890-), Panasonic (1918-) so on were founded and now they are world-leading companies, but do you know what is the origin of TOYOTA, for example? It has started from a company manufacturing human-powered textile loom machine in 1890. It has succeeded to manufacture the automatic loom



machine in 1924. It is the similar story of James Watt (1736-1819) steam engine. Do you know why and how the Industrial Revolution happened in England in 18th century? Indian cotton production has promoted it, although I skip the story in detail here. However, it has not been done only by steam engine. James Watt has also invented a governor – world-first automation. Japan has changed due to the manufacturing industry.

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It cannot be compared with Industrial Revolution, but we had chances two times to achieve this. One

is the corruption of *Edo Shogunate* – General *Tokugawa* administration after its 300-year administration in 1868. Era of *Samurai* society has been overtaken by Emperor *Meiji* governor. Although it is not 100% democracy at that time, people got freedom. *Meiji* governor has invited many engineers mostly from Europe and sent out many young people to Europe and the U.S. This makes civilisation in Japan. The previous-quoted companies have founded in these days. Shipbuilding and airplane industries have also been founded in the era. People was so surprized to see steel-made US warships arriving before the corruption of *Edo Shogunate* and they have forced to open the border.

The second change has happened after World War II. Everything was destroyed by the war. The military-driven government was replaced by democratic government and Emperor is no more



Coming back to the technology, Japan has established its position by high-level technology in manufacturing. *Kaizen* is the key word for this. *Kaizen* means improvement literally. In each factory or manufacturing group, they have cooperated to make it as much efficient or high in quality as possible. Sometimes this movement is beyond a company. Nowadays each company tries to protect its intellectual property, but originally Japanese society is a big community to share their knowledge and experience. Contrary to this kind of strong community power, some Japanese companies have their unique policies. SONY (1946-) and





Honda (1946-) are such example. Honda has started from a motor-assisted bicycle, but it allows some engineers to develop humanoid robot "ASIMO" and a jet, too.

BOC

Anyway, technology is the important element to enrich the country. You are happy to graduate this university. You have already got it. The problem is not how to use it, but where to use it. We sometimes find papers where the authors have tried to use certain theory or technique, but I wonder why they use it here in this problem. They wanted to use 'it', because they know 'it'. I don't think it right way. If you know method A, for example, try to use other methods as possible. If you cannot solve it by other methods, it's time to use 'it', but most cases you can solve it by other methods, too. You should be more innocent for new thing. *Kaizen* is the activity to accept different idea which are not considered before. This makes innovation.

Nowadays, it's an era of ICT and IoT. Who will lead the world in this area? In 70-80s, there were Steve Jobs (1955 - 2011) and Bill Gates (1955 -). They are competing each other. But methods and background are completely different. Bill Gates, graduated Harvard University, has succeeded by IBM PC, because IBM didn't develop OS by themselves and has failed to be offered CP/M, another competing operating system for micro computer at that time. On the other hand, Steve Jobs, dropped out from Reed University was inspired by a computer with mouse and graphical user interface (GUI) developed by Xerox. Both have changed computers from mainframe computer or workstation to personal computers. Steve has changed Walkman® to iPod® and mobile phone to iPhone®, too. Who is next? They gave us many hints to young researchers. There might be another persons who make next innovation. You will be the position. "Think Globally, act locally" is the word to discuss how we solve environmental problems. Now you need is "think globally, act globally".

Going back to Steve Jobs' story, he has travelled India after dropping out from Reed University and studied Buddhism. In Reed University, the only interested class was calligraphy. This makes the outline fonts called TrueType. He gave the famous commencement speech "Three stories" at Stanford University in 2005. It is available in Internet, so if you don't know, check it. Everybody may have some difficulties in his/ her life. Another capability you need to succeed in your life is mental strength. Hard time is the challenge of God, if it exists, and God gives the success to those who overcome their difficulties. Don't regret your misfortune, but use it as a trigger to upgrade your thoughts. Steve concludes his speech through three episodes. "Stay hungry. Stay Foolish."

The last thing you remind is health. Keep health and healthy mind. Physically exercise in your age. It remains, when you will be in my age. In my case, my middle high school was in the middle of a mountain. Everyday I have climbed up to the school for 20 min. On 35-year-old birthday, I have bought a bicycle to use it for everyday commutation of 15km, although it is bus and train distance. Now I use my car, because of the distance is now 20km and with dangerous traffic situation, but has started to swim two or three times a week after the work.

In the last, I would like to introduce my short but strong message to my students. When the new students join my research projects, I always say them. "Will you want to be no. 1 researcher in this field in the world, or no.2?" They wonder about my question. "..." I explain them then. "If you exceed me, you will be no. 1, but in the case not, you'll be no.2 and I am no. 1". My job is to give high motivation and dream to young persons, and realize it with them. I am happy with you today and it will be you, you and you, who give this speech some decades later.

BOG



PHOTO GALLERY

Thirteenth Annual Convocation November 14, 2015













Student Activities



Ring Presentation Ceremony - 2015



Engineer - 2015



Incident - 2015



Bharath Darshan - 2015



Bharath Darshan - 2015



Spandan- 2015


NSS Blood Donation Camp - 2015



NITK-CMU Winter School - 2014



In-residence Programme for students -Rashtrapati Bhavan - 2015



Beach Clean-up Drive - 2015

Activities at NITK



Banquet Dinner @ Rashtrapati Bhavan - 2015

MoU with Hexagon - 2015



MoU Extension at Kagoshima University - 2105

Swachh Bharat Abhiyan - 2015



Independence Day Celebrations - 2015

Run for Unity - 2015



GOLD MEDALLISTS LIST OF PRIZE WINNERS LIST OF GRADUANDS

GOLD MEDALLISTS

Master of Technology



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Budime Raju

Marine Structures



Ram Thilak

Remote Sensing & Geographic Information System



Nigee K

Water Resources Engineering & Management



Sreehari M V

Chemical Plant Design



Subhanshi Agrawal

Keerthi R

Industrial Biotechnology



Industrial Pollution Control



Shivaraj Saybanna Managiri Construction Techn

Construction Technology & Management



Sneha Santy

Environmental Engineering





Betsy Maria Lukas

Geotechnical Engineering



Indu C M

Structural Engineering



Maneesha B

Transportation Engineering



Tejaswi V

Computer Science & Engineering



Abhishek Mishra Computer Scien

Computer Science & Engineering – Information Security



Elchuri Prasanthi

Power & Energy Systems



Ruchi Kansara Bharat

Communication Engineering



Vuppala Mani Rao

VLSI Design







Monisha K

Information Technology



Annapurna Valiveti

Systems Analysis & Computer Applications



Systems Analysis & Computer Applications Nitesh Sisodiya



Kaluri Raja Sekhara Reddy

Design & Precision Engineering



Pushpakar Chandraker Manufacturing Engineering



Mechatronics Engineering



Neeraj M

Athira S R

Thermal Engineering



Rahul Sathyanath

Materials Engineering





BOC

Ajay A P

Nanotechnology



Rahul John

Process Metallurgy

Master of Computer Applications



Sunder Gopal Singh

Master of Business Administration



Siva Chaitanya M

Master of Science



Akshatha R Shetty

Chemistry



H Swaathi Upendar

Physics



Bachelor of Technology



20

Jahnavi Kantharaju

Chemical Engineering



Abhishek Master

Civil Engineering



Pranav Bhat T

Computer Engineering



Ashwin D T

Electrical & Electronics Engineering



Oshim Jain

Electronics & Communication Engineering



Srinivas B S

Electronics & Communication Engineering



Kartik Sreenivasan

Information Technology



20

Shrinivas Jayateerth Chimmalgi Mechanical Engineering



Jubin Surana

Metallurgical & Materials Engineering



Hemanth Reddy A

Mining Engineering

LIST OF PRIZE WINNERS

Dr. B. S. Samaga Award for the student with best academic record in M.Tech. (Thermal Engineering)	Neeraj M
Prof. K.R. Hebbar Gold Medal for the student with best academic record in M.Tech. (Materials Engineering)	Rahul Sathyanath
Smt. Sarojini Pillay Gold Medal instituted by Prof. T.C.M. Pillay for the student with best academic record in M.Tech. (Process Metallurgy)	Rahul John
Dr. Saroja R Hebbar Gold Medal for the student with best academic record in Master of Computer Applications (M.C.A.)	Sunder Gopal Singh
Prof. G.H. Kulkarni Gold Medal for the student with best academic record in M.Sc. (Chemistry)	Akshatha R Shetty
Mohan V Hosur Gold Medal for the student with best academic record in B.Tech. (Chemical Engineering)	Jahnavi Kantharaju
Prof. M.N. Shivashankar Gold Medal for the student with best academic record in B.Tech. (Civil Engineering)	Abhishek Master
Dr. R.K. Yaji Gold Medal for the student with best academic record in B.Tech. (Civil Engineering)	Abhishek Master
Prof. M.R. Shenoy Memorial Prize for the student with best academic record in B.Tech. (Electrical & Electronics Engineering)	Ashwin D T
Prof. K.M. Hebbar Gold Medal for the student with best academic record in B.Tech. (Electrical & Electronics Engineering)	Ashwin D T
Karthik Alloys Gold Medal instituted by Sri. Bhupal Gopala, Chief Promoter of Karthik Group of Companies, for the student with best academic record in B.Tech. (Metallurgical & Materials Engineering)	Jubin Surana
Prof. H. V. Sudhaker Nayak Gold Medal for the student with best academic record in B.Tech. (Metallurgical & Materials Engineering)	Jubin Surana
SMIORE Gold Medal for the student with best academic record in B.Tech. (Metallurgical & Materials Engineering)	Jubin Surana
Hutti Gold Mines Medal for the student with best academic record in B.Tech. (Mining Engineering)	Hemanth Reddy A
1986 Batch Gold Medal for the student with best academic record in B.Tech. (Mechanical Engineering)	Shrinivas Jayateerth Chimmalgi

1986 Batch Gold Medal for the student with best academic record in B.Tech. (Electrical & Electronics Engineering)	Ashwin D T
1986 Batch Gold Medal for the student with best academic record in B.Tech. (Civil Engineering)	Abhishek Master
1986 Batch Gold Medal for the student with best academic record in B.Tech. (Electronics & Communication Engineering)	Oshim Jain & Srinivas B S
1986 Batch Gold Medal for the student with best academic record in B.Tech. (Chemical Engineering)	Jahnavi Kantharaju
1986 Batch Gold Medal for the student with best academic record in B.Tech. (Metallurgical & Materials Engineering)	Jubin Surana
Prof. K. L. Bhat & Prof. P. Prasad Rao Gold Medal for the student with best academic record in M.Tech. in the Division of Mechanical and Chemical Systems	Rahul Sathyanath
Prof. Shuichi Torii Gold Medal for the student with best academic record in B.Tech. (Mechanical Engineering)	Shrinivas Jayateerth Chimmalgi
K. Subbarayappa Gold Medal for the student with best academic record in M.Sc. (Physics)	H Swaathi Upendar

LIST OF GRADUANDS

Pruthviraj U **Binny Gopal** Keerthi Laxmi Navin Gop Kumar P Rajeswari M Kulkarni Viswanatha H N Keshava Joshi Sogra Fathima B Maheswari B Lokeshwari Navalgund Prashanth Kumar K R Madhavi O Naveen P Ganesh B M Yathish Ullal Aravinda L S Subramanya B Shenvi Seema Shrikant Vaishaka R Rao Pooja B Bhat Hede Neena V Jahagirdar Shrikant Sitaram Jisha S V Naveen Kumar D T **Reginald Fernandes** Karale Rahul Subhash *As on November 12, 2015 Master of Technology **Marine Structures** M.Tech. (Research)

Sindhu S

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*Doctoral

Manjunatha L S Honnanagouda Somanagouda Shivanagouda Panduranga Rao M V Geetha V Rajashekar P Mandi Chandrasekaran K Sanjeev K Navak Shashidhara Mecha Kotian Bini A A K S Shiva Prakasha Geetha Prakash Rajesha M Alwyn Roshan Pais Bayyapu Neelima Melwyn D Souza Rekha G Pai Srinivasa Murthy T Prameela Kolake Ganala Santoshi Desai Gowda H S Ravi A M Somasundaram B Sonage Basgonda Kallappa Dinesha P Arun Kumar S

Shivaprasad K V Raghavendra K Arun P Parameswaran Nagaraja Manoj Kumar A P Manjunath Patel G C A Muralidhar Manjajah M Prakrathi S Rajeev P Ramesh G Kripa M Suvarna **B** Shivamurthy Senthil T Venkateswara Rao Gadupudi Santhosh Kumar A Kalaivani S Krishnakishore S V **Riessom Weldegiorgis Weldemariam** Sandi Kumar Reddy Nalini Elizabeth Rebello Ratnamala Gadigayya Mavinkattimath Gokhale Nikhila Ratnakar Ramanna Shetty Chandre Gowda C Chinmayi H K

Jayaram J Jithin K Rajeev Justin Thomas T Sathish S C Sharhabeel P S Sooraj Mohan

M.Tech.

Abhijith R	Kishore C	Subodh Vijay Kusare
Akhil Muhammad Salim	Liju K V	Vaishakh S M
Akshay P R	Neeraja J	Vikas M
Balooragi Arvind Nagappa	Putti Santhan Kumar	Yannaru Narasimhulu
Budime Raju	Rameez Nageem	Ajeesh K
Idamakanti Srinivasula Reddy	Ravivarma L B	
Inthikab K	Sanesh Pannian	

Remote Sensing & Geographic Information System

M.Tech. (Research)

Aswathi Anil P	Mohammed Fasil K K
Athiralakshmi S	
Chaithra Chandran	

Chandan M C

M.Tech.(Research)

Avin J Kajekar

M.Tech.	Chichu Khader Muhamed	Ram Thilak
	Gaurav Hegde	Shashank C Bangi
A V Yadhukrishnan	Gayathri K Devi	Subha S Raj
Abid Parari	, Hitesh Kumar H N	
Aneesh R	Hredya Paul	
Anitha P	nieuya raui	

Water Resources Engineering and Management

Aparna P	Jibin Joseph	Nikhil Ghodichore
Avula Venkata Krishna Reddy	Medum Jyothsna	Shimna P
Boddu Hima Bindu	Morampudi Sarika	Venkata Radhakrishna Yeggoni
Chingka Kalai	Nigee K	Vineeth V

Kalvagadda Maheshkumar

Chemical Plant Design

M.Tech. (Research)	M.Tech.	Pre
Bipin Kumar	Badekar Sagar Dilip	Sree
	Chavan Bhagyshri Indrajit	Srin

Preethi G Sreehari M V Srinesh S Pai Sunaina S Patil

Naseela E K Rajeesh R

Industrial Biotechnology

Industrial Pollution Control

BOG

M.Tech. (Research)	Anushri C	Purva Gupta
Anuradha Hora	Arpita Biswas	Rathinam R
Asha Rani E	Bhosle Shraddha Satyawan	Reena Gautam
Srithatchayani G	Chinna Pandi R	Sahana Vijay Kumar
Inemai E	Chitra K	Shashi Shankar Kumar
Suresh P	Gayathri R	Shweta Raj
M.Tech.	Lokesh Ramana V	Soumya Raj
Amir Khan	Loomi Sasankan	Subhanshi Agrawal
Anjana M	Nithasha Chinnan P	Sumit Sharma

Adarsh M	Kishorkumar D	Sahana N Murthy
Akhil Pazhayadeth	Lakshmi Y N	Sanaulla Desai
Aysha Sahla Kumbla Muhammad	Neelapala Satya Deepika	Sreeja S
Kunhi	Nithin K M	Sumithra K
Chaitra S	P Devi	Vishnu M
Girish G V	Priyanka R	Kola Sindhusri
Keerthi R	Renu K P	Amruta S Shet

Construction Technology and Management

Adarsha B M	Anvin Sebastian	Aravind Anil Kumar
Deepak Anand	Naseem O	Stifin Benny
Dhanalakshmi L	Naveenkumar Prabhakar Attigeri	Suman Saha
Ejas Ansari	Nebin Jose	Thete Swapnil Tanajirao
Faisal K M	Pentakota Kalyan Chakravarthi	Vanakuri Sainath
Maddipoti Suren Babu	Puttaraju K O	Vinay K
Manas N	Raviprasad Upadhyaya U	Vineeth T
Manjunath B	Sasikumar M	Waseem K
More Ajinkya Pravin Kusum	Shivaraj Saybanna Managiri	

Environmental Engineering

Ajmal M P	Dinesh G	Rahul R Nair
Anitha Mohandas	Ganaraj K	Saifiya F
Ansaf V Karim	Gaurav Tiwari	Shweta Yashwantha Katte

Anusree K Anju Arun B Athul Sundar Bhavya D Dhanya K R

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Geotechnical Engineering

Akhil K S Anaswara S Azneb Abdulsalam Betsy Maria Lukas Carolin Ferdinand

Structural Engineering

M.Tech. (Research) Catherin Jeselia M

M.Tech.

A Manoj Ajmi Kharim Akoju Naveen Srinivas Anup Kanoj Ashish Nair Bharath C Dumpati Cheran Teja

Transportation Engineering

M.Tech. (Research)

Abhijith B S

M.Tech. Aida Isac P Aparna G Aswathi K V Athira Renchen Karthik M Khare Shubhankar Sudarshan Mukhesh Paul P Varghese Poornima H

Gayathri V L Karampudi Surendra Kumbamutlang War Neethu Sebastian Prateek Pranab

Indu C M Kushitha U Male Praneeth Mohammed Shaffi Muhammed Naseef P A Nidhin K M Noothan Kaliveer Palivela Saketh Kumar Paul Tom Panikulam Pola Rakesh Radhakrishnan U Sneha Santy Uthra S Kumar Vijay V Vineel R

Praveen V Rahul Kotian Sahana Poornima Sarika K

Remya Raj Singadi Dinesh Reddy Sooraj V S Surjith K M Sutar Vishal Mahadev Vinaykumar R Vipin Raj V U Muthu Vijay P Nanda Kishore

Atthuru Mahesh Chepuru Anuroop Gounipalli Vinod Kumar Gugulothu Shravani Hayjy Sekhar Mourie Kalesh M Katikitala Prudhvi Maneesha B Manoj B S Nibin Dileeph P Dilip Kumar Pavan Kumar K Rahul Saini Revanth Nannapaneni

Sehle Basheer
Shindon Baby
Sreerama Sarath Chandra

Swathy S **Tejavath Ramesh** Vinodini G Sandeep Kumar Prusty

Computer Science and Engineering

M.Tech. (Research)

Gita Shah Alaka Ananth

M.Tech.

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Aditya Kumar Mishra Anik Hore Anurag Singh Asheed M Kumar Ashish Kumar Dhanotiya Bhanu Pratap Singh Chouhan Bhawna Bharwani

Tintu Raj

Chandan Biswas Malkar Jitendra Ishwar Jyotsna Chanda Mayank Varshney Nikita Sinha Nushafreen Dara Palsetia Patel Hitenkumar Dineshkumar **Rahul Sharma** Ramesh Katiyar Shashi Kant Gautam Shegokar Piyush Wasudeo

Dhole Anand Rajendra

Garima Jindal

Gaurav Gupta

Padmini Gaur

Krishna Prasad K

Meejuru Siva Kumar

Mohammed Ashfaq

Nuresh Kumar Dewangan

Dhonddev Govind Shriram

Shikhare Rahul Appa Shivam Purwar Shruti Goyal Songbiakthang Hangsing Tejaswi V Teli Prasad Suresh Vivek Kumar Kushwaha Marimuthu C Santhanam Raghavan

Computer Science and Engineering - Information Security

Shubhra Rana Divya M Suma S M

M.Tech.

Abhishek Mishra Ankit Patidar Belekar Sawan Kailas

Power and Energy Systems

M.Tech. (Research) M V Gururaj

M.Tech.

Archith V

Pavan Kumar Reddy K Pawan Kumar Thakur **Piyush Gupta Rashid Jamal** Sanchi Satre Shalini Murlidhar Somesh Pal Vaibhav Anant Ashtikar Vishal Babu

Kakara Udaya Kishore Maheshwar A P Sagar Shankar Mitta Muvva Vishnu Vardhan Reddy Nandha Kumar M

Samskriti Sankar Rao Vovalareddi Shijith P T Sikha V S T Bhargava Ram

Athmakuri Karthik Bipin Kumar R Chinthada Harish Dharavath Ranga Elchuri Prasanthi

200

Communication Engineering

M.Tech. (Research) Dasineni Sai Parameshwari Neha N

M.Tech.

Ajay Bheemanna Davanageri

Priyanka G Das Reddi Mahesh Babu Ruchi Kansara Bharat Sankalp Shukla Shameer V T

LSI Design

M.Tech (Research)

Gourav Agarwal

M.Tech

Akhil S
Amit Pal Singh
Anup Bhat
Azmeera Lakshmi Narayana Nayak
B Dileep Kumar
Chirra Kamalakar
Harshana Ashraf

Information Technology

Amarendra Anjali Arjoo Jain Peram Peddi Reddy Prasannajit Sahoo Praveena S Preethul Prasad Rampelli Manoj Kumar Upputuri Srinivasa Reddy Pruthiraj Swain Rajarathinamala P

Amilneni Vinodh Athira Menon Devendra Kumar Chandra Jaya Sahana S Kandikunta Malavika Karthik S Subinoy Das Sunu A Suraj Rajappan Yellu Syam Kumar Ningombam Devarani Devi Kumaraguru V Kumbha Vishnu Varma Potluri Harish Potnuri Bharat Teja Prateek Gupta Praveen Ravula Hrudya Shriharsha K V Ramanaik

K Harish Babu Katta Rajeev Kilari Radhika Priyanka Palakurla Raju Panditha Chiranjeevi Pappu Madhu Sankara Swamy Patil Dipak Balasaheb Punit Sachin Kalbandkeri Shovan Bhattacharya Tarun Kumar Bunkar Thati Rahul Vamsidhar Pilli Vuppala Mani Rao

Jarugumalli Ashok Kumar Krupa Joel Chabathula Mahajan Gautam Suresh

Sushil Kumar Sah Tayde Shailesh Sheshrao Utkarsh Gupta

Arpit Bhargava
Bharti Chaturvedi
Dharavath Suresh
Dipu E R
Ingole Sanket Yashwant

20C

Monisha K Pavan Anantrao Ughade Priya Malik Snehal Sudhakarrao Farfade Sonawane Yogesh Madhukar Vilasagarapu Sundeep Vivek T V Deepthi Shree Bhat Prakash P

Systems Analysis and Computer Applications

Abhijith S	Jagadeesh N V	Rahul Junwal
Abhilash M	Jayan V	Samrangi Ghosh
Ahmed Viquas	Jithu Ajith	Sandeep Chandran
Anantha K Rao G	M Rajendra Babu	Sandeep Verma
Annapurna Valiveti	Madavi Mohini Ganpat	Shaibal Kumar
Anu G Krishnan	Manvith Murthy	Shaik Mohammed Jaffer
Aparna M S	Nanda Kishore Chinnaram	Sofia D Souza
Avinash K S	Nitesh Sisodiya	
Ayushman Gupta	Pavan A Kulkarni	

Design and Precision Engineering

M.Tech. (Research)

Royson Donate D Souza	Gokul R	Langade Ashish Shashikant
Kiran Vernekar	Harisha Malgi	Narendra Rathore
M.Tech. Deepak Deshmukh	Jayateertha Shurpali	Praveen Kumar H N
	Kaluri Raja Sekhara Reddy	Rakesh Dhaka
	L N Pramod Aladurthi	Subhasankar Dwibedi

Kalichetty Srinivasasagar

Martin Anto

Pilaka Sunil

Mobin Mathew

Pasupulati Murali

Manufacturing Engineering

Abhishek Kumar Athul Sathyanath Balaganesh T Budati Sindhu Evin S Manoj

Mechatronics Engineering

M.Tech. (Research) Poorna Chandra B R Ranjitha T D

Deepak Mohan G V V S Reddy Prasad George Thomas Pushpakar Chandraker Ravichandra Vakkund Sakhare Nilesh Subhash Tiruvayipati Harish Urmi Ranjan Bariha

Rajees Rahman P P Rayees Ahmed Sanjay K Wepin

M.Tech.

200

Abin Ephrem Reji Ajin W A Athira S R Atul R K B C Pramod Bharath Kumar N G

Thermal Engineering

M.Tech. (Research)

Venkatesh Kamath S Srinivas Rao H K Prashanth S P

M.Tech.

Akshay Shenoy M Anil M

Materials Engineering

Anand Mohan Anantha Padmanabha Bhat S Arun T N Fazil M Jithin J Marattukalam Jithu Jayaraj Kanjare Siddheshwar Khandappa Kare Gouda Komalakrushna Hadagalli

Nanotechnology

Abhijith S Ajmalghan M Akash Agrawal Kiran Kumar N Gothireddy Yaswanth Kumar K M Anvith Medappa Kamble Sagar Bhikaji Mallikarjuna Korrapati Nikhil Ulahannan Nithin Ganesh Pushpendra Patel

Christy Paul Deepu Mohan Gulab Verma M B Manender Naresh Kumar Neeraj M Paliwal Niraj Shantilal Rahul Vitthal Deharkar

Nagaraj Sadashiv Doddamani Nidhi Singh Poornachandra Rahul Sathyanath Rajesh Belchada Ramesh Ranju Gopal Barman Samrat Tamuly Sandeep Kumar

Mukiri Soban Babu Suhail Mubarak P V Sagar H P Ajay A P Shanmukha Priya V Sivanandam M Sumeet Patanker Sundarapandian R Vinay Kumar Yadav

Rashmi G S Sanat Kumar Sesaman Sharath Kumar Vikas Verma Abdul Raouf Tajik Bhaskara Jaideep Dutta Tanmoy Chakraborty

Shaheer K V Sudeendran K Tikale Sanjay Vinayak Timson Tomy Vimal Edachery Shruti Sudhir Hebsur Pavan Pujar Natesh Mogra

Sunil Bachu Gnaneswara Nag

Sunil K J

Process Metallurgy

200

M.Tech. (Research) Amrita Ravi S M.Tech. Kiran Raj

Manu Mathai

Rock Excavation Technology and Management

M. Tech (Reseach)

Tripti Maurya

Master of Computer Applications

Abhishek Kumar Jha Abhishek Singh Aditi Malik Aditi Thakkar Akash Omer Akshit Goyal Amit Kumar Singh Anirban Das Anisha Toppo Ankit Singh Hatwal Ankit Khandelwal Arjun Singh Parmar Astha Kumari Avinash Hembrom Ayan Paul **Bikash Kumar Cosmos Alexius Toppo** Deepti Singh Dharmender Kumar Gagan Bhatia **Ganesh Patidar** Himani Bansal **Hitesh Jain** Indu Rani Jatinder Kumar Paul Judhajit Mandal Kancham Surender K Pavan Kumar

Mahendra Patidar Manav Aggarwal Mayank Narsaria Md Ekram Meghana B Rao Milind Ekka Mohammad Parvej Narattam Mandal Naresh Kumar Yadav Privadarshi Neel Rameshchandra Neha Neha Kumari Nidhi Sharma Nishant Kumar Nitika Rao P Yellappa Pankaj Johny Murmu Pankaj Mandloi Poonam Kaundal Pradeep Namdev Pramit Dey Pranav Aggarwal Priya Kumari Agrawal Priyadarshini Mitra Privanka Ghule **Rahul Pratap Singh** Rahul Shakyawar Rajat Karandikar

Midhun Krishnan P

Sarath Sankar E S

Vigin Varghese Malakaran

Rahul John

Vivek K M

Ashwin Pai M

Rama Kant Rasikh Zia **Ravish Kumar Rohit Sabharwal** Sandeep Kumar Sanjay Kushwaha Sanket Bhaumik Santosh Kumar Verma Satveer Singh Bhatia Shambhu Kumar Shashank Sekhar Singh Shayan Dey Sheeba Abbasi Shivjeet Kumar Singh Shrayansh Jain Shruti Lele Shweta Khunte Sumalya Bhattacharya Suman Saurabh Surbhi Surbhi Bansal Vaibhavee Tiwari Vikash Kumar Vinod Patidar Vishal Sharma Sunder Gopal Singh **Tuhin Sen Gupta**

Master of Business Administration

Akshatha Anand Akshith H Shetty Chahat Mahajan Chandra Kumar Debadyuti Roy G Hemavathi Lakshmi Narayan Tiwari Mahendra Prabhu K Mahitesh Mandeep K

20C

Arathy Krishnan Arnab Biswas Nisha Roy Nithin Kumar H N Pankaj Nain Prasenjit Baishya **Pratik Pandey** Rajat Malik Ravichandra Sanjiv Kumar Hajoary

Ayachitula Sowmya **Beryl Thomas** Santosh Chaudhary Sathya Viknesh Balan S Shreya S Shetty Sibu S K Siva Chaitanya M Srinivasan A S

Master of Science

Chemistry

Akshatha R Shetty	Bhagyashree M	Soumya M
Amulya C	Каvya	Shri Raksha
Anand K N	Maruti C	Supritha I S
Anusha A	Prajna D Y	Susheela B
Anusha Rencil Monteiro	Reshma K R	Viprabha K
Arjun C H	Shilpakala	
Aswathi K M	Shwetha M	

Physics

Ananya V Bhaskar Shridhar Naik Chethana **Dinesh G Rathod** H Swaathi Upendar Jyothi Uttam Shet Krishnamanohara

Bachelor of Technology

Chemical Engineering Aarathi Makkada Aditya Saraf **Akshay Navin**

Manasa Pallavi M H Priyamedha Sharma K R Raison D Souza Sampath B A Sarath E Shawn Ajay D Souza

Shivprasad Shivaram Shastri Smrithika Subramani Sneha Pandith Sulakshana Shenoy Sushmitha Pandith Varshini G V Vijeth

Himanshu Kumar Jahnavi Kantharaju Khade Pavan Ashok Praveen Kumar Praveen P Suvarna Pritha Sao

Apoorva Suresh Bademi Arjun V Arjun V P Ashik Gangadharan Balagopal K V Basavaraju Sai Anudeep Darshan N H G Madhusudhana Gibran Ahmed Khan Guguloth Venkata Charan Gowtham Hardikar Mukta Anant V S Pavan Kumar Varun Moka Vivek Eluri

Civil Engineering

200

Abby Thomas Leslie Abhay Singh Abhishek Kumar Abhishek Master **Akshay Bansal** Amer Yaying Anurag Bhambhani Anurag Chowdhary Arun A Arunabh Choudhury **Arvind Kumar** Ashish Sharma Aswin Prakash **Avnish Kumar Pandey** B Raviraj Bhattad Anand Badrinarayan Chandan Kumar Chetan Tandur **Danish Hussain**

Kushal K

Maralenahalli Mithun Bylappa Mervin Joseph Mervyn Rohit Soans Muttappa Gowda Nikhil Shailesh Thakkar Nitin Solanki Pasila Praveen Kumar Pawan Kumar Pearl Philip Pranav Karanth Prashanta Barman Jaipal Pai B J Anjali Rebecca Nelliat Hitendra Arya

Manish Kumar Manish Kumar Manjunatha Hande P S Manoj Belbase Mayank Tulsiani Monika Lodha Movia R Mukesh Jaiswal Nagaraj Angadi Navratan Nikhil Sinha Nischal Mohan Noumaan Manzoor P Shilpa Patel Jay Mahendra **Pradeep Dubey** Prajwal K Aithal Pranav Krishna Praneetkumar

Purushottam Deshpande Rathlavath Raju Roshan John Cherian Sachin Kumar Sai Prasad Shetty Shalini Suresh Kumar Shashank Sripad Shridhar Maruti Naik Sivathatchayani Thamilvanan Souvik Das Talla Hemanth Kumar Udupi Katte Rakshith Kattipalli Sravan Kumar Parchaki Pavandev

Sagar L Sahil Ratusaria Saket Bajpai Salkar Abhishek Raghuvir Sandeep Kumar Sandesh Raj Kharel Saurabh Kumar Jayant Seema Shet Shamanth S Shashank K Pal Shivam Agarwal Sriram S Sukarn Singh Sunil Surabhi Muralidhara Suraj Jaiswal Surya Pratap Umang Khatiwada

Deepak Kumar Mallick Devi Prasad R Dharmendra Kumar **Girish Kumar** Gyanendra Kumar Harsh Kumar Harshit Harshitha K Acharya K Dhileep K Laxmith Shetty Meena Kamna Kirodi Lal Karan Sheoran Kaushik B O Kishan Kumar M Praveen Raj Mahesh Pyatha

200

Computer Engineering

Aayush Gupta Abhishek Shreeram Arora Abhishek V Adit Biswas Adithya H K Upadhya Aditya Sundaram Akhilesh Kumar Saini Akshatha M Akshay K Akshaya Muralidharan G Anish Gargi Saha Gaurangi Saxena Gaurav Jain Gaurav S Mokhasi Girish B Sastry H G Rama Bhat Hemanth G

Prithvi Raj Jaiswal **Punith Putran S** R Manoj Raghav Rahul R Karuhatti Raj Kalyan Degala **Rajat Chatterjee Rajesh Kumar** Rakesh G Ramesh Sapkota Ranvijay Azad Ravi Kumar Rohith Reddy Sureddy S H Rakesh Deepak S K Sachin Hanamappa Nadagaddi Sachin Kumar Jha

Alok Jinesh Shah Aman Harish Gandhi Anik Bhowmik Anjan Mitesh Shah Ankita Ashwin Swaroop Asmita Gupta Avinash K Balchander V R Bhajan Lal Monel Gupta Nagraj Nikhil R Chavan Nirlendu Saha Nisha Prabhu Goutam Chetan Pranav Bhat T Prasad

Upamanyu Mallik Varsha Varun Dupare Varun V Prabhu Vikas Yadav Vishesh Shaurya Vishnu Chaudhary Vishnu Rajesh Vishwanath Prudhivi Vittal S Honnalli Anirudh Villayannur Raja Ayush Verma Manish Kumar Gaurav S Mallya Yashaswini Umesh Kumar

Bhavana Mahadev Ambi Bhingardeve Manal Sanjay C Karthik C M Anand Chaithanya B S Chandra Ketan Sahu **Dayanand B Ingale** Deepak S Puthraya Deepak Meena Deepak Nainani Sayan Paul Shravankumar Shreyas G Shyam Gopal Siddharth Santurkar Sonu Kumar Sourabh S Sparsh Yadav

Jake Joseph Jay Privadarshi Keerthika K Kadam Aditya Tanaji Karan Sabhani Karthik C Karthik C Kastala Sai Siddhartha Kavya Vishwanath B Ketan Pandhi Khelesh Damor M A Raghuram Manish Premi Manpreet Singh Mayank Sharma Mitesh Sanjay Mutha Mohamed Tabish Sada

200

Prateek S Bokade Pruthvi P Rabindra Chhanchan Radheshyam Verma Rahul Kumar Bhojwani Rajat Yadav Rajeta Ranveer Ravikiran Belur Pankaj S K Sachin Hosmani Sahil S Pai Sakshi Agrawal Sameerana N Rao Sampad Medda Sandesh Limbu Sasank Channapragada

Spriha Awinpushpam Sree Charan S Sukruth Ananth Suraj Kumar Tushar Makkar Vidva Shankar B L Vikas B Vishal R Shah Vishal Raj Vishnuraj M Vivek Ranjan Jayendra Shyam Dewani Mukesh Kumar Gupta Y Vishwachaitanya **Bakhare Sushant Hemlal Rohit Kumar**

Electrical and Electronics Engineering

Abhinav Patel Adlyn Belinda Rodrigues Ajay Kumar Ajitesh Kumar Aman Goyal Anargha J Anirudh M G Anurag Daru Arnav Kundu Ashish Jethani Ashwin D T Ashwin V B Sai Srivatsa **Bhuvnesh Parmar Blessen K George** C Raja Rajeswari **Carmen Angeline Goveas** Chinmaya D Christopher Stephen L Dsouza Deeksha Koshta

Gabriel Thomas Maliakal Gajjala Hussainaiah Gaurav Jain Gowri Balakrishnan Hanamgond Harsh Jhawar Harshala Jambhulkar Henry Johnson Himanshu Himanshu Gautam Jayant Meena Jeevitha S K Bala Vignesh Kumar Kishan M Jyothi **M R Sampath** M S Satish Mallela Vikas Manoj A Mehul Kothari

Mukesh Kumar Ghosalya Naveen U Bali Naveen Kaswa Nekar Ravichandra Kanakayya Netravati M Naik Nikhil Kumar Singhi Nikhil Srihari Nikhil Vijay Nishant Chandra Nishanth N Niteen U Bali Nitin Nataraj Nitish Srivastava P Kiran P Naveen Kumar P S Sumashini Pratyush Pullela R Gopalakrishnan Racha Saikrishna Rachit Kailash Mundhra

Rahul Pradhan Rajesh Kumar Bajiya Rajiv Kumar Ratheesh Raghavan Rathod Anilkumar Ratnesh Singh Bagri Rejin Joy Ridhima Solanki Rishab Hura Ritwik Avaneesh Rohan G Tirumale Roshan John David Ruchi Jain S Sai Ashrith Reddy Sagar N

200

Sandeshkumar S S Sandip Kumar Santosh Horo Sathi Venkata Reddy Saurabh Kumar Shankar Kumar Sharath N S Sheikh Shams Azam Shreyansh Ankit Shriya Nair Shwetha Ram Soumyashree Priyadarshani Sudarshan Vairagi Sunil Sreedhar Tushar Dobhal

U Prathwiraj Ullas A Indi Venkatesh Shenoy K Venkatesh T Venkatram Vichitha Kekanaje Chinmaya Vidyasagar V S Vikash Kumar Vipin A Sagar Vishnukanth Phathepure Vivswan Shitole Ziyauddin Khan Aritro Banerjee Apurva Agarwal Nitin Samanta

Electronics and Communication Engineering

G Akshay Kumar Prakash Pali A Bejesh A Sushma Gauresh Tulshidas Shirodkar Prakhar Gupta A Tarun Choudhary Harshavardhan R Praneeth B **Prashant Saurabh** Aatish Chandak Ishani Chaudhary Jestin Abraham Abel Saju Augustine **Pravin Kumar Singh** Abhijith S Joss Benny Priyesh Ghiya Abhilash Dheeraj Dhondalkar Kartik Venkatraman Hegde Radhika Kumari Malviya Adarsh Murthy Lakshmikant B R Radhika N Ajaykrishnan N M Ranga Sai Shreyas Raghavendra S H Akanksha Wasnik Manoj Kumar Rajesh Kumar Meena Rakshith R K Akshar Jain Manu Pai Allaparthi Venkata Satya Vithin Meghana B Raj **Ritesh Shekhar** Amit R Milind Nimbal Rojin Raj Arjun A Mohd Danish Khan Saharsh Samir Oza Arjun Jagdish Moushika V Sandeep A D Arjun Raghunath Namratha S Sandeep B V Ashutosh Bansod Naseem Alam Sandeep Rajendran Ashwin Kalyan V Navya S Prem Sandeep Singh Deora Aswin Suresh Krishnan Nayak Vaishnavi Sadanand Santosh Prasad

Avinash T K Babagouda Gadigeppagouda Patil Balaraj M Bharadwaj Lingam Bharat S Subrramanian Bharath C Renjith Chethan N Chougoni Shyam Prasad Goud David Joshy Manjaly Devendra Kumar Dhanush B K **Dishit Dak** Sudipta Patowary Sunilkumar Sunjyoth S Shetty Supreeth Prajwal S Taha

200

Information Technology

Aarti Prabhu Abhinav Prakash Aditya Rohan **Akash Srivastava** Ankit Goel Anmol Varma Anmol Vijaywargiya Anuj P K Jain Apoorva Chandra S Arahant A Ashrith H C Atif Ahmed Aynesh Sundararaj C Srikiran Goud Chandana T L Deeksha S D Deepak D S

Neeraj Prashant Kulkarni Niketha Mudalla Bhat Nikhil Premanand Nishant Gupta Nishchal Shukla Nithin Kamath Nymisha B **Oshim Jain** Pawan Kumar Poluri Jaya Prakash Reddy Pradeep Adhokshaja Prajwal M V Tawfeeg Ahmad Husain A Thokala Tarun V Lakshmi Narayana Vadiraj M Kulkarni Vinay

Kalpit Tiwari Kamlesh Kartik Sreenivasan Kiran Kumar D C Kotagiri Sahitya **Kumar Shubham** Malhotra Mrinal Ashok Mani Shankar Manishman Shrestha Mayank Pahadia Mohammad Akram Rameez Nachiketh P Navami K Nikhil Jaiswal Nisha K K Pandramishi Naga Sirisha Pankaj Jagat

Shah Ankit Parag Shamanth M K Sharon Sanjeev George Shashank G Shodhan S Shrusti S Kanamadi Shubham Yadav Sonawane Krunal Rajendra Sree Gowtham J Srikanth Pachala Srinidhi S Srinivas B S Yamganti Chakravarthi Pratik A Gujjar Karthik R Pavankumar Prashant M Badiger

Rohan Ashok Bansode Rubin Maharana Ruchika S S Avinash Sachin C Bapure Sachin Mamadapur Sandeep D Sandeep Kumar Yadav Santhosh M S Santosh Kumar Satti Venkata Narayana Reddy Shailja Pattanaik Shakti Vyjayanthi Shalav Saket Shivam Singh Shreeharsha Nageshwar Voonna Shreeman Narayana Murthy

Dhanush A **Dilip Mallya Divyang Srivastava Divyashree S** Faeem Abduljabbar Shaikh Gaurav Raj Gaurav Yadav **Gouransh Sharma** Harthi S Hiba Ahsan Hrishikesh Kashyap Isha Singh Jassi J Architha Krishna J Naga Venkata Krishna Chaitanya Jatin Sood K Puneetha

206

Mechanical Engineering

A Vinay Bharath Abhijith Balakrishnan Abhijith C Sabu Abhilash Abhinav Kumar Borah Abhinav Pathak Anirudha Ankush Bhand Ankith Ullal Anmol Gaurav Anoop Sunil Antony George Apurba Deka Aravindhan Ramesh Ashar Varun Naishad Ashley Melvin P A Ashutosh Srivastava Aswin Purushothaman K V Athul Narayana Rao

Pavan Gopichand Talreja Polasani Vivek Rao Pradeep T Prakash Pramati S Kalwad Urwa Prashanth Pratik Ravindra Kamtam Preeti Yadav Prince Regmi Pruthvi H R **R** Kaushik **Rachit Khaitan** Rahul Malanaik **Ranjeet Kumar** Ravi Prakash Mundotia Ravuri Venkata Rao

Abhishek Mudgal Adithya A Agarwal Krishna Kumar Ganesh Akash R K Akhil Ahmed S R Deshmukh Akshay Shirish Keshav Ramaswami **Kevin Anilson** Kiran M V Laksh Kumar P Mahaveer Meena Mallikarjun Talagade Manjeet Kumar Manoj Kumar Manoj Kumar Manoj Kumar D Mayureshwara Saralaya Md Shahid

Shubham Gupta Shwetha N Hadimani Sparsha C Raj Sunny Murdia Susmitha Pulakhandam Swetha S Rao Sved Ehtesham Ahmed Quadri Vaibhav Prabhakar Tripathi Varun D N Varun H Vikas Mohandoss Vikas S Yaligar Vinaykumar K M Divya V Mattagunja Prasanna Kumar Narayana Murthy M

Kumar Akul Manoj Amod Kumar Amogh M H Anand Bahadur Singh Anchal Sahai Anirudh S Sakthivel Safwan C H Sandeep Kumar Sanjeev Kumar Sarosh Saurav Bose Shiv Singh Saini Shreyas Dandwate Puthige Shricharana Shastry Shrinivas Jayateerth Chimmalgi Shyam Somani Shyamasundar M S

Atul Pahariya Avinash Kumar Ayush Agrawal Bharadwaj Bharadwaj Chintalapati Bonda Niranjan Kumar **Chandane Vivek Avinash** Chopda Piyush Ashokchand Deepak D Dheeraj Kumar Dixit Rutwik Jagannath **Doshi Nishant Paresh** Gagan Deep K V Gautam Prabhu Gautham Kumar George Justin Giriraj T C **Girish Anant Kini** Gourav Kumar Gourav V Shet Guloi Afi H Koushik Hari Krishnan J Aravind Jacob J Ovelil Janak Chand P Jeff Francis Jones John Joshi Siddharth Anil Karthik Rajan S **Keerthish V Ballal**

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Shreya Ravalappa Kamath Gawandalkar Udhav Ulhas Melvin K Wilson Mickdhad Mohammed Bava Motade Akshay Vyankat Muttaraju Dhruv Chand Vivek Muralidharan Navaneeth N Prabhu Neeraj Kumar Nikita Meena **Oswal Gaurav Vijay** P Sriharsha Pallav Pattnaik Pavan P S Periyasamy Balaruban Prajwal K V Prashant Kumar Praveen Patel Preetham R Nayak Prince Pruthvi Bharadwaj Rajesh Kumar Rakshan Y Amin Rakshith L Ramachandra Upadhyaya K Rangaswamy A V Rashid Ali M **Rathod Anil** Ghotkar Rhushikesh Shriniwas **Rohit Nagar** Rohith K

Siddhant Banerjee Siddharth Deepak Kataria Sidhant Satish Shetty Souvik Halder Srikanth Sagar S R Subham Kumar Burnwal Suhas M Chavan Supreeth M S Suraj Kumar Sushob Ranjit Vallan Sutterwala Tamu Mohamadi Wani Suyog Bhika Syed Mohammed Nadeem Udayakumar N Umesh Varun H S Varuna K V Vikas Antim Pachori Vinit K Vardhan Vishal Vishal Murali Vitul Varshney Yashwanth Reddy M Vishal Kumar Dash Varadaraj Gaonkar Jadhav Sunil Habbusing Yogesh Kumar Meena Navneet Kumar

Metallurgical and Materials Engineering

Abhishek A Abkari	Aditya Patel	Arv Ramchandani
Abhishek R	Aishwarya Manjayya Devadiga	B Sandeep
Abhishek S Kashinath	Akshay Varambally B	Basavaraj P Kalinganavar
Aditya Kumar	Aman Minz	Bipin Kumar Singh

Chirag Sharma Dilip Singh Rankwar Jubin Surana Karthik C Padmashali Karthik T R Kruthi V Naik Manjunath A M Manu Paramesh B Nanjunda S Velu Nerella Vishnu Vardan

200

Mining Engineering

Allan Rodney Menezes Aman Agrawal Aman Kumar Aman Vohra Amaresh N K Ambrish Kosgi Anand Krishna E S Anil Chavan Animesh Kumar Thakur Bandla Yamini Saraswathi Bangari Manikanta Sai Bennet Praveen Doss Brijesh Kumar Singh Davinder Singh Prabhu R Rayannavar Pradeep Kumar Prasidh Naik Praveen V Murthy Rahul Vithal Gangaputra Rajashekar Reddy D H Saidev Bhaskar Channamsetti Sam Terence Roberts Sanjeev Giri Shanti Kumar

Deepak Kumar Dhannasi Babu Gurudev Hemanth Reddy A Honey Agarwal Ibanjop Thiaw Suting Jammu Yadav Kamson Hangshing Kamwadamut Laloo L Srinidhi Md Farhan Akhtar Nikhil A Gaonkar Vijay P Priyanka Pal Sidhanth Tyagi Soumita Mondal Sridhar D Kamoji T Aditya Srinivasan V Suchethan Kamath Vignesh Kumar Pal Didla Rajasekhar Manjunath Chintala Srinivasulu

R Abhi Rahul Bhatt Rajnish Ranjan Ritesh Kumar Sanjiv Kumar Meena Shankar Dodamani Shubham Agarwal Suchith Sathish M Tushar Bhardwaj Vineet Sethi Yoomiki Kyndiah Shivranjan Kamble Gagandeep R Vemu Saketh

NITK Surathkal – at a Glance

GOVERNANCE

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

TEAM NITK

14 Departments

250 highly qualified and dedicated faculty

192 committed supporting staff

5410 talented and motivated students

LIST OF DEPARTMENTS

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

Academic Programs

B.Tech. – 9 disciplines M.Tech. – 25 Specializations M.Tech. (Research) – All Specializations MBA

MCA

M.Sc. (Chemistry)

M.Sc. (Physics)

Ph. D. – offered in all departments

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

INTERDISCIPLINARY CENTERS OF EXCELLENCE

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

ASSOCIATED CENTRES

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

CAMPUS

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

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

FACILITIES & SUPPORTS

150 + Classrooms, 140+ laboratories

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

BUDGET (2014-15)

20C

Total Financial Outlay Rs. 191.31 Crores Internal Revenue Generated Rs. 36.90 Crores Consultancy & Testing Earnings Rs. 2.05 Crores Corpus Fund of more than Rs. 73.62 Crores

PUBLICATIONS (2014-15)

International Journals – 394 National Journals – 20 International Conference – 309 National Conference – 83

DOCTORAL OUTPUT

2011-12 – 16 Candidates 2012-13 – 33 Candidates 2013-14 - 62 candidates 2014-15 - 60 Candidates

Doctoral students on rolls - 631

EXTRA AND CO-CURRICULAR ACTIVITIES

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

TRAINING AND PLACEMENT

NITK is ranked among the top institutions for student placements. During 2014-15 about 218 companies visited. UG placements 88%, PG placement 34% Internships provided within India and Abroad.

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.

MOUs with Foreign Universities/Industries

- 1) Kagoshima University, Japan, 9th March 2015 -5 years
- Faculty of Engineering and Graduate School of Science and Technology, Kumamoto University, Japan, 28th February 2015 5 years
- 3) Kompetenzzentrum Holz GmbH, 26th September 2014, 5 years
- 4) Michigan State University, U. S. A.

14th May 2014 Renewed for further period of 5 years

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

- 1) Father Muller Medical College, 10th February 2015 5 years
- 2) National Institute of Technology Agartala, Tripura, 1st December 2014, 5 years
- Indian Institute of Technology Madras, Chennai, 24th September 2014, 5 years
- 4) The Indian Navy, New Delhi, 18th June 2014, 5 years
- 5) Management Development Institute, Gurgaon, India (MDI), 15th May 2014, 3 years.
- 6) CSIR-National Institute Of Oceanography, Goa, 8th April 2014, 5 years

TEQIP

To continue the development activities initiated through TEQIP-I, a sequel project namely TEQIP-II with a financial outlay of Rs. 125 million 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. Out of the financial outlay of Rs. 125 million, a sum of 121.70 million has been received till date and Rs.100.801 million has been spent for various activities.

SENATE MEMBERS

Swapan Bhattacharya	 Chairman	John D'Souza	 Member
A. Kandaswamy	 Member	Muralidhar Kulkarni	 Member
M.C. Narasimhan	 Member	S. Sumam David	 Member
Katta Venkataramana	 Member	U.Sripati	 Member
Udayakumar R.Y.	 Member	Vinatha U	 Member
K. Chandrasekaran	 Member	K. Panduranga Vittal	 Member
M.B. Saidutta	 Member	A.H. Sequeira	 Member
Dwarakish G.S.	 Member	K.B.Kiran	 Member
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S. Shrihari	 Member	Prasad Krishna	 Member
Sitaram Nayak	 Member	Ravikiran Kadoli	 Member
Subhas C.Yaragal	 Member	S.M. Kulkarni	 Member
Varghese George	 Member	V. Rama Sastry	 Member
B. Raj Mohan	 Member	H.D. Shashikala	 Member
D.V.R. Murthy	 Member	G. Umesh	 Member
G. Srinikethan	 Member	Kasturi V. Bangera	 Member
Gopal Mugeraya	 Member	N. K. Udayashankar	 Member
B .Ramachandra Bhat	 Member	P.G. Mohanan	 Member
A. Nityananda Shetty	 Member	Anusuya Chakari	 Member
A. Chitharanjan Hegde	 Member	K.Ravindranath	 Secretary
A.V. Adhikari	 Member	Srikantha S. Rao	 Member
D.Krishna Bhat	 Member	T.P. Ashok Babu	 Member
Vani M	 Member	Vijay H Desai	 Member
M.S. Bhat	 Member		

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 2. Event Coordinators:

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- **Prof. Katta Venkataramana Dean (A)** Kamlabh Kumar Singh - Assistant Registrar (A) Gaurav Chowdhury - Assistant Registrar (A)
- 3. Preparation of Degree Certificates, Merit Certificates & Medals: Prof. Subhash .C. Yaragal, Civil Prof. Jagannath Nayak, Metallurgy Mr K K Singh, - Assistant Registrar (A) Mr Gaurav Chowdhury - Assistant Registrar (A) Dr.Ajith –Physics Dr.Udaya Bhat -Metallurgy Mr.Pathitha. Supdt – (Acad. Sec.) Mrs . Jayakumari-(Acad. Sec.)
- Registration & Candidate lists: Prof. Ananthanarayan –IT
 Dr. Ramesh Kini – E&C
 Mr. P.G. Mohanan – CCC

Mr. Dayananda – (Acad.Sec)

- Mr. Vijaykumar Ghode CCC Dr. Laxminidhi T – E&C Mr. Biju R Mohan –IT Dr. Beenesh P.B-Chemistry Dr. Nasar T- Appl. Mech Dr. Debashree Chakraborty- Chemistry Dr. Hari Prasad Dasari-Chemical Dr. Kartik Tarafder-Physics Dr.Manu Basavaraju-Computer Dr. Saikat Dutta- Chemistry Dr. Mahammad Imtiyaz Ahmad-MME Dr. Sheron Figarado –E&E Dr. Prashanth Kumar H-E&C Dr. Hari Mahalingam-Chemical + Department Representatives
- Invitation, Postage/ Correspondence:
 Dr. Ashwini Chaturvedi E&C
 Dr G.S. Punekar E&E
 Dr. A. Karthikeyan –E&E
 Mr. Girish H Navada –E&E

- Director Dean(Academic) Dean (P&D) Dean (FW) Dean (SW) Dean(R&C) Dean(AA&IR) Registrar
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- Member

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- Co- Convener
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- Member

- Convener

- Co-Convener
- Member
- Member

Mr. Shashi Bhushan Arya -Metallurgy - Member Dr Subrya R Hegde, Metallurgy - Member Mr. Shekar – (Estt. Sec) - Member 6. **Convocation Report, Publicity, Media Management:** Prof. Sripati U - E&C - Convener Dr. Vidya Shetty K-Chemical - Co-Convener Prof. Lakshman Nandagiri – Appl. Mech. - Member Dr. Shashikantha – S. M - Member Dr. Arun Isloor-Chemistry - Member Mr Gaurav Chowdhury, Asst. Registrar (Acad.) - Member Mr Iranna M. Asst. Librarian - Member 7. **General Arrangements: Prof. G Umesh-Physics** - Convener a. Stage Arrangements, Displays, Light & Sound and Mementoes Committee: Dr. Vijay Desai -Mechanical - Convener Prof. Ravikiran Kadoli – Mechanical - Co-Convener Dr. B. Rajmohan – Chemical. - Member Mr. Subrahmanya.K.- Appl. Mech - Member Dr Prasanna B D-Chemical - Member Dr Shyam Lal- E&C - Member Dr Hemprasad Nath - SAS Officer - Member Mr. Manoj Shetty- SAS Officer - Member Dr. B M Kunar - Mining - Member Dr. Pradyut Ranjan Jena- S. M. - Member b. Seating Arrangements: Prof. K. B. Kiran - Convener Dr.Darshak Trivedi-Chemistry - Co-Convener Dr Rajasekaran C-Civil - Co-Convener Dr. Udaya Kumar – Chemistry - Member Dr. Partha Prathim Das-Physics - Member Dr. Deepak Vaid-Physics - Member Dr. E. Sathyanarayana-MACS - Member Dr. I Javaraman-MACS - Member Dr. Jnana Shekar-Mech - Member Dr. Ramesh M.R-Mech - Member Dr. Subraya Hegde-MME - Member Dr. Mohammad Rizwanur Rehman- MME - Member Dr. Kalpana-E&E - Member Dr.Deepu Vijayasenan-E&C - Member Dr. Mohit –Computer - Member Dr. Jenny Rajan-Computer - Member Mr. Dinesh Naik-IT - Member Dr. Jayadhar –IT - Member Dr. Suresha S.N - Civil - Member Dr. Arun Kumar Thalla-Civil - Member Dr A Gowri - Civil - Member Dr. Ramesh H – Appl. Mech - Member Dr. Sheena – SM - Member

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c. Procession:

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- Dress Arrangements Committee: Prof. P Mohanan -Mech Dr. Srikantha Rao – Mechanical Prof. Muralidhar N N – MACS Prof. D. Krishna Bhat – Chemistry Dr. Naveen Karanth – Mechanical Dr Sib Sankar Mal - Chemistry
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- Member

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

THIRTEENTH ANNUAL CONVOCATION November 14, 2015

Programme Summary

9.00 - 9.30 AM	Members of the Senate collect their Ceremonial dress at Central Computer Centre
10.00 – 10:10 AM	Chairperson, Chief Guest, Director and Members of the BOG arrive at Central Computer Centre Introduction of Senate members to the Chairperson and the Chief Guest
10.10 - 10.25 AM	Group Photograph
10.25 AM	Convocation Procession starts from the Central Computer Centre and proceeds to the Silver Jubilee Auditorium
10.30 AM	Institute Anthem
10.35 AM	Convocation program commences
1.11 PM	National Anthem
1.14PM	Convocation procession retreats
1.30 PM	Lunch

