



National Institute of Technology
Tiruchirappalli

INSTITUTE DAY 2017

11th April, 2017

A REPORT ON ACHIEVEMENTS



INSTITUTE ADMINISTRATION

Director	Dr. Mini Shaji Thomas
Dean (Faculty Welfare)	Dr. D. Deivamoneyselvam
Dean (Academic)	Dr. C. Nagamani
Dean (Students Welfare)	Dr. A. Venkataswamy Reddy
Dean (P&D)	Dr. G. Swaminathan
Dean (ID) & Dean (R&C) i/c	Dr. D. Sastikumar
Registrar	Shri. A. Palanivel
HOD / Architecture	Dr. A. Meenatchi Sundram
HOD / Chemical Engineering	Dr. P. Sivashanmugam
HOD / Chemistry	Dr. L. Cindrella
HOD / Civil Engineering	Dr. Samson Mathew
HOD / Computer Applications	Dr. S. R. Balasundaram
HOD / Computer Science and Engineering	Dr. R. Leela Velusamy
HOD / Electronics and Communication Engineering	Dr. G. Lakshminarayanan
HOD / Electrical and Electronics Engineering	Dr. K. Sundareswaran
HOD / Energy and Environment	Dr. M. Premalatha
HOD / Humanities	Prof. R. Gururaj
HOD / Instrumentation and Control Engineering	Dr. B. Vasuki
HOD / Management Studies	Dr. B. Senthilarasu
HOD / Mathematics	Dr. K. Murugesan
HOD / Mechanical Engineering	Dr. S. P. Sivapirakasam
HOD / Metallurgical and Materials Engineering	Dr. S. P. Kumaresh Babu
HOD / Physics	Dr. N. Gopalakrishnan
HOD / Production Engineering	Dr. M. Duraiselvam
Head / Training Placement	Dr. A. K. Bakthavatsalam
Head / Computer Support Group	Dr. Ramakalyan Ayyagiri
Associate Dean (Faculty Welfare)	Dr. V. Senthilkumar
Associate Dean (Academic)	Dr. R. Karvembu
Associate Dean (Academic)	Dr. R. Jeyapaul
Associate Dean (Academic)	Dr. S. T. Ramesh
Associate Dean (Academic)	Dr. P. Raja
Associate Dean (Students Welfare)	Dr. U. Srinivaslu Reddy
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Associate Dean (Planning and Development)	Dr. S. P. Simon
Associate Dean (Planning and Development)	Dr. K. Muthukkumaran
Associate Dean (Institute Development)	Dr. Lakshmana Gomathi Nayagam
Associate Dean (Institute Development)	Dr. G. Muruganantham
Associate Dean (Research and Consultancy)	Dr. N. Ramesh Babu
Nodal officer SC, ST, OBC, PwD and Minorities	Dr. M. Punniyamoorthy
Chief Vigilance Officer	Dr. T. N. Janakiraman

Director's Message

Institute Day 2017



I congratulate the Faculty, Students and Staff members of this great Institution for achieving many milestones in 2016-17.

It is a matter of great pride that NIT Tiruchirappalli has been ranked as the best among all 31 NITs, and eleventh among all the engineering institutions in the country, as per the National Institute Ranking Framework (NIRF) 2017 of the Ministry of Human Resource Development, Government of India.

We are doing well in Academics with flexible curriculum in place, giving both Faculty members and Students the freedom to explore and experiment new teaching and learning methodologies. In research and development, some of our researchers have made us proud with the quality of papers published and the projects secured with International collaborations as well as from National funding agencies.

Our students are our pride and they have won recognition on many fronts like Placements in prestigious companies, admission to renowned Universities, International internships, medals in National sporting events, accolades in cultural and literacy competitions, which is commendable.

The staff members of the Institute contribute immensely to the running of the Institute and I congratulate each one of the staff members for their dedicated services.

I wish to place on record my sincere gratitude to our previous Director Dr. S. Sundarrajan and Director in charge Dr. G. Kannabiran for their contribution to the development of the institute.

I wish to thank the team of Deans, Heads of the Departments and the Registrar for helping me understand the NIT system; I am a learner still and I seek your continued support in this regard, to take NIT Tiruchirappalli to greater heights.

A Harvard Business review article by Peter Drucker, on the facts behind the meteoric rise of Japan into a developed nation after the Second World War, cites as the major reasons is, "Put National Interest First. The Japanese leaders are expected to start out with the question, what is good for the country? Rather than the question, what is good for us, our institution, our members, and our constituents? In Japan there are well organized interest groups with its endless array of economic federations, industry associations, professional societies, trade groups, special interest clubs, and guilds. Yet if it wants to be listened to and to have influence on the policymaking process, each group is, however, expected to fit its self-interest into a framework of national needs, national goals, national aspirations, and national values"

Here I want to draw an analogy and bring the phrase, "Put the Institute's interest first", that is, NIT Tiruchirappalli's Interest. We have diverse groups here, with faculty, staff,

students, vendors and many more on the campus. Each group lobbies openly to advance its own agenda, which is quite natural. Every group is, however, expected to fit its self-interest into a framework of NIT, Tiruchirappalli's needs, goals, aspirations, and values, which we have evolved over the years.

We are at a threshold of a paradigm shift in the history of centrally funded educational Institutions, especially when the value systems are changing; student needs are different; teaching learning process is evolving; government funding is shrinking; and competition is intense. Hence I seek your cooperation to put the Institute's Interest first. We have to have a strategic plan in place, to move NIT Tiruchirappalli into the top spot among the Institutions. Let us devise ways and means to encourage and appreciate the efforts for all stakeholders. In this regard, your suggestions are eagerly awaited.

This is my first Institute day at NIT, Tiruchirappalli and we have tried to make it a little different. Generally, during the Institute Day, academic achievements by students are celebrated. However, this year, a small attempt is being made to salute achievers in a few fields, as decided by the Institute Day Committee 2017. Incidentally, the three major parameters considered by NIRF for ranking is adopted for screening faculty contributions.

1. **Research Publications:** Source: Data collected from the Web of Sciences. Top three contributors in terms of the number of publications, from each Department, with a minimum threshold of three publications, considering the data for 2016 and 2017.
2. **Research & Development Projects:** Source: Data collected from Office of the Dean (R&C), NIT Tiruchirappalli. Top three Sponsored Research Projects from each Department in terms of the amount sanctioned by an external agency for 2016-17.
3. **Consultancy:** Source: Data collected from Office of the Dean (R&C), NIT Tiruchirappalli. Top three consultancy works from each Department in terms of the amount brought in from external agencies for 2016-17.

This is a small beginning to recognize contributors. Additional avenues to celebrate the achievements and innovations in teaching, learning, Intellectual Property creation, entrepreneurship and many more can be thought of in future to recognize the contributions of Faculty, Students and Staff. Your suggestions in this regard are most welcome and will be taken up in the future.

I wish to thank the Dean Academic, Associate deans and the Office of the Dean for the support they gave me for all the ideas to make the Institute Day 2017 different and I hope.....memorable.

Wishing the Faculty, Students and Staff members a successful year ahead!

Thank you!

Dr. Mini Shaji Thomas

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A REPORT ON ACHIEVEMENTS

By

Dr. C. NAGAMANI

Dean (Academic)

Distinguished Chief Guest of the Institute Day 2017, **Shri. Kumar Jayant**, IAS, Principal Secretary / Managing Director, TAHDCO, Govt. of Tamil Nadu, **Dr. Mini Shaji Thomas**, Director, NIT Tiruchirappalli, Deans, Heads of the Departments, Faculty members, Staff, Mr. Bhavik Jagani, President, Students' Association, Ms. Akhila Avala, Vice President, alumni of the institute, Invited Guests, students, the press and other media representatives.

A VERY GOOD AFTERNOON AND AN EARNEST WELCOME

Aristotle said: **“We are what we repeatedly do. Excellence then is not an act, but a habit.”** The dynamic leadership and vision of administration, the devotion of our faculty, staff and students over the years have made this institute a true temple of education. The year 2016-17 has been a very successful period with several new accomplishments in terms of graduation outcome, research publications, sponsored research and consultancy as well as networking with other technical institutions and industry. The institute has also made a significant mark in social outreach.

NIT Tiruchirappalli is ranked as one among the premier institutes of India, and is a forerunner in the realm of academic transformation and technological development. Notable progress has been achieved towards advancement in teaching and learning by incorporating innovative methodologies, while building on the past strengths. The institute offers various interdisciplinary education methodologies and provides flexible learning avenues to students on and off the campus. Introducing visionary and innovative ideas in teaching and learning, and paving a way for their effective implementation, with the enchanting dream of globally competent graduates; this has been the backdrop for which the efforts of former Director Dr S. Sundarrajan and Dr. G. Kannabiran are deeply appreciated by this institute. Young scientists and engineers from various disciplines are provided a forum to work together and share transforming experiences. Further, the institute is engaged in fostering interaction with industry on a global level through exposure to new technologies and curricular methodologies.

Our out-going students have registered a high placement percentage records despite the effect of demonetization. The overall percentage of placements as on 28.03.2017 for Under Graduate programme is 95.3% and Post Graduate Programme is 75.9%. With the placement process still in progress, the percentages are expected to climb higher.



A thriving environment for the faculty and students encourages collaborative research and consultancy resulting in several MoUs with industry and other reputed academic and research institutions. 12 MoUs with industry, 8 MoUs with foreign academic institutes and 17 MoUs with Indian academic institutes have been signed this year. The Centre for Land Warfare Studies, New Delhi; Bhabha Atomic Research Centre (BARC), Mumbai; Centre for Development of Advance Computing (C-DAC), Thiruvananthapuram; Liquid Propulsion Systems Centre (LPSE), Thiruvananthapuram; Loughborough University, United Kingdom; Indian Institute of Technology, Kharagpur; Royal Academy of Engineering for Higher Education, London are some of the partnering institutions.

The Institute has received a number of awards like the prestigious National Award for Excellence in Employability at the FICCI – 12th Higher Education Summit 2016; the National Award for Excellence in Serving Social Cause at the ASSOCHAM – 10th Higher Education Summit 2017 spearheaded by the Umbrella social outreach movement - HumaNITTY encompassing Apeksha, PPC, PSR, SEC, FSR, SPIRIT-Ed and HHNITT. A 5-day residential computer-training program for 50 visually impaired students / teachers of Trichy and neighboring districts was conducted during December 2016. In addition, a one day motivational training program for visually impaired persons in association with NIVH under Ministry of Social Justice and Empowerment, Govt. of India, was conducted with free distribution of 90 Plectalk Daisy text to voice reader devices to the participants.

The Department of Architecture has earned a special mention by the National Association of Students of Architecture (NASA) convention 2016-17, ANDC 2016, IIT Madras. Students received Saint Gobain scholarship, Charles Corea scholarship, to name a few. Research papers have been published on innovative designs and structures in top tier journals by the faculty. This year a new Post Graduate Program in Energy Efficient and Sustainable Buildings is started by the Department. An MoU with Ministry of Housing and Urban Poverty Alleviation under technology sub-mission of Pradhan Mantri Awas Yojana (PMAY) is yet another feather in the Department's cap.

The Department of Chemical Engineering has taken up sponsored research projects worth Rs.39.33 lakhs from Indian Council of Agricultural Research, New Delhi. Dr. N. Samsuddin has won Bio-energy Award for cutting edge Research from DBT, India and USA. A number of papers have been published in reputed national and international journals. Several technical workshops, conferences were conducted to disseminate creative concepts. Two patents have been filed by Dr Meera Sheriffa Begum and Dr Uma Maheswari.

The M.Tech. Transportation Engineering and Management programme of the Department of Civil Engineering has been accredited for 5 years by the National Board of Accreditation. 36



technical papers have been published in prominent international and national journals. Sponsored projects and consultancy works to the tune of about one crore have been awarded. The faculty of the Computer Science and Engineering Department organized numerous workshops, seminar and conferences and published research papers in international and national reputed journal and authored books as well. The students have won numerous prizes for their ground-breaking performance in curricular and extracurricular activities. Five doctorates students were awarded this academic year.

The Department of Computer Applications has conducted various conferences and workshops on recent trends and uses of technology. A large number of papers are published in renowned journals in international and national. The department has produced two doctorates in this academic year.

Dr. G. Saravana Ilango, Dr. S.Moorthi, and Dr. S.P. Simon of the Department of Electrical and Electronics Engineering, have received the prestigious Young Faculty Research Fellowship 2016-17 from the Ministry of Electronics and Information technology (MEITY), Govt. of India. Two Ph.D. graduates are received the POSOCO Power System Award, 2017 by Power System Operation Cooperation. The NBA team accredited the M.Tech Power Systems program for a period of 5 years. Sponsored projects worth 1.55 Crore have been received by Dr. M. Jayabharatha Reddy and others. Six students underwent internships abroad. The Department has seen a significant increase in research publications.

Dr. G. Lakshminarayanan, Dr. B. Venkataramani from the Department of Electronics and Communication Engineering and Dr. S.R. Balasundaram from the Department of Computer Applications have received a research grant under UGC- UKIERI worth Rs. 107.06 lakhs. The Department of Electronics and Communication Engineering takes pride in graduating 8 doctorate this academic year. The department has published 17 research articles in reputed international journals.

Dr. V.Sathyaraj from the Department of Humanities has authored two books published by Springer and Cambridge Scholars Publishing. Dr. V. Vinod has been the editor of 12 volumes of Malayalam Encyclopedia of Mythology'. In addition, Dr. R. Murugesan has received a research grant of Rs. 3.06 Lakhs under Rajiv Gandhi National Institute of Youth Development. Apart from publishing papers in established journals, the department has conducted several workshops, guest lectures, conferences and seminars.

Dr. N. Sivakumaran and Dr. K. Srinivasan from the Department of Instrumentation and Control Engineering received the Young Faculty Research Fellowship and Research Grant by MEITY, Govt. of India. In addition, the department also bagged 5 sponsored projects to the tune of Rs.



222.99 lakhs and carried out consultancy work, worth about Rs. 3.44 lakhs. Twenty articles have been published by the faculty and students of the department.

Students from the Department of Management Studies won accolades at various fora such as IIT Madras, IIM Lucknow, IIM Bangalore, FIMS Kozhikode and LIBA Chennai. Dr. N. Thamaraiselvan of DoMS and Dr. S. Mekala of Humanities and Social Sciences conducted a workshop on 'Training the trainers in life skills' sponsored by Rajiv Gandhi National Institute of Youth Development. Numerous papers have been published under Scopus indexed journals by the faculty and scholars.

Dr. V. Shanthi from the Department of Mathematics has been awarded a research project worth Rs. 12 lakhs by the SERC-DST. Twenty one research papers have been published in high impact factor international journals.

Dr. S. P. Sivapirakasam, Dr. T. Ramesh and Dr. N. Sivashanmugam of the Department of Mechanical Engineering have contributed significantly in research by bagging research projects worth a total of Rs 78 Lakhs from LPSC-ISRO, ISRO and BARC. Dr. V. Mariappan and Dr. R. Anand also received two joint projects from DST-IPHEE, DST-UKERI in collaboration with Electrical Engineering and Electronics Department of our institute and with PSG College of Technology respectively. The technical clubs of Mechanical Engineering - PSI Racing, 3D Aero Modelling and Designer's Consortium, have won several technical competitions organized by IIT Madras and other reputed institutions conducted all over India.

Dr. N. Rameshbabu and Dr. B. Ravisankar from the Department of Metallurgical and Materials Engineering have received a research project worth Rs.41 lakhs by Department of Science & Technology (India) and the Russian Foundation for Basic Research (Russia). Dr. K. Sivaprasad has been awarded a research project worth Rs.30 lakhs by ISRO. Dr. Raman Sankaranarayanan has taken charge as a Chairman, Indian Institute of Metals. Students getting admission for higher studies at top ranked universities in USA and summer internships at Carnegie Mellon University-USA, DAAD, VNS-NTU- Singapore and Mitacs bring in a great sense of accomplishment. The faculty members conducted a three-day International conference "IMME17". In addition, the department has published 52 research papers in top category journals.

Dr. A. Chandrabose with the department of Physics received a grant of Rs. 32.49 lakhs and Dr. M. C. Santhosh Kumar has been awarded a research grant of Rs.29.2 lakhs by the Dept. of Science and Technology (DST), SERB respectively. Dr. R. Nagalakshmi is awarded the National Slovak Scholarship for teachers, by the Institute of Experimental Physics, Slovakia.

The Department of Production Engineering maintains a close liaison with a large number of universities and industries within the country and across through faculty research and



collaborative projects. Dr. V. Anandkrishnan, Dr. M. Duraiselvam and Dr. P. Sathiya received 5 sponsored project grants worth Rs. 103 lakhs. Consultancy work worth Rs. 17 lakhs was achieved. Dr. S. Vinodh won the gold medal in national essay writing competition conducted by the Indian Institution of Industrial Engineering, Mumbai (IIIE). The department organized several workshops on state of art topics including Data Analytics. In addition, 51 research articles were published in international journals and 4 books have been written by the faculty and published by reputed international publishers.

The Department of Energy and Environment, has published 17 research papers in national and international journals. The department received the Swachch Bharat Award of the institute.

DRDO/GTRE Bangalore (CARS Project) awarded the Centre of Excellence in Corrosion and Surface Engineering (CECASE) a research grant worth of Rs. 9.80 lakhs. Six papers have been published in international journals.

The Institute has a Modern Central Library which is well maintained and supervised.

The Computer Support Group has been providing valuable services in maintaining and continuously updating the campus-wide LAN. With the help of the CSG, currently Wi-Fi facility is available throughout the campus. Through the CSG, NIT Tiruchirappalli is now connected to the Internet via two Internet Service Providers (ISP): 150 Mbps leased line from Software Technology Park of India (STPi) and 1Gbps shared connectivity by National Informatics Centre (NIC) using Bharat Sanchar Nigam Ltd (BSNL) and Railnet, as a part of National Knowledge Network (NKN) and National Mission on Education through Information & Communication Technology (NME-ICT).

Our students maintained their winning ways. They have showcased splendid performances and won numerous medals in SPARDHA 2016 held at IIT-BHU. The swimming team won several medals at BITS-Pilani. In SPREE 2017, the Kabbaddi team won the championship at BITS-Goa. With a few more tournaments left in this academic year, 2016-17 team has already given the best contingent performance in the 51-year history of NIT Tiruchirappalli.

The culmination of the grand cultural fest FESTEMBER, 2016 marked a milestone in the history of NIT Tiruchirappalli as students made a magnanimous contribution towards social responsibility endeavors. Festember'16 witnessed the gracious presence of Mr. T. Jeyaseelan, President of Sanmar group, as the Guest of Honor, and Dr. S. Soumya, noted Carnatic vocalist graced the inaugural ceremony. PRAGYAN 2017, the largest techno-management festival in India conducted various workshops and exhibitions that witnessed enthusiastic participants from the student fraternity. In addition, the NITTFEST 2016 the annual inter departmental literary and cultural festival of NIT Tiruchirappalli had the centre



theme of Pop – Culture. The department of Electronics and Communications Engineering walked away with the NITTFEST Trophy while the Department of Mechanical Engineering secured the first Overall Trophy.

The National Cadet Corps (NCC), and the National Service Scheme volunteers from the various departments of the institute have been proactively involved in several social outreach and rural and community development activities.

NIT Tiruchirappalli had been a participating institute under the World Bank project TEQIP phase I. The sequel, Project TEQIP-II, has provided a significant support for enhancing the infrastructure for Post Graduate programmes, learning resources, ICT enabled classroom equipment to modernize the Teaching Learning facilities. A total of Rs. 17.95 crore was received under TEQIP II.

The Centre for Entrepreneurship Development and Incubation (CEDI), a company promoted by the institute has been in the forefront to promote activities spanning the entire value chain of Innovation and entrepreneurship development. Two Entrepreneurship Awareness Camps (EAC) with participation of about 75 girl students were followed by Women entrepreneurship development programme (NEEDS programme); CEDI co-sponsored Ventura supported by PRAGYAN 2017; information cum mentoring events for the benefit of young graduates and other such beneficial programmes were conducted. Based on a two-level selection process, CEDI has selected the four new incubatees during the current year.

Indeed the year 2016-17 was full of considerable challenges in the face of transformation, aspects academic and otherwise, while it also brought in many notable achievements for the institute. Hope and wish that the clear vision of 'The Big Picture' along with the unflinching commitment and consistent efforts along strategic lines shall take the National Institute of Tiruchirappalli to greater heights in future.

Dean (Academic)

A FEW ACCOLADES.....

NIRF - National Institutional Ranking Framework (April 2017)

NIT Tiruchirappalli has been ranked first among all the NITs and 11th among all the technical institutes in the country by the NIRF 2017 ranking system, moving up 1 place from last year's ranking of 12.

The Federation of Indian Chambers of Commerce and Industry (FICCI) – National Award – Best Institution for Excellence in Employability

NIT Tiruchirappalli won the best Institution in the country for employability in the FICCI – Higher Education Summit held at New Delhi during November 2016. The selection is based on a 2-stage process with parameters on quality and quantity of placements and initiatives on peer-to-peer learning.

Dr. A. K. Bakthavatsalam and Prof. R. Gururaj coordinated to achieve this award.

FICCI – National Award – Best Institution for Visionary Idea

NIT Tiruchirappalli won the best Institution in the country for visionary idea in the FICCI – Higher Education Summit held at New Delhi during November 2016. The selection is based on the criteria for building a 21st century model for higher education that is of high quality, yet equitable and affordable and be exemplary of a higher education system.

Dr. G. Kannabiran, Dr. S. Arul Daniel and his team of Associate Deans helped to achieve this award.

The Associated Chambers of Commerce and Industry of India (ASSOCHAM) – National Award – Best Institution for Serving Social Cause

NIT Tiruchirappalli won the best Institution in the country for Serving Social Cause in the ASSOCHAM – Higher Education Summit held at New Delhi during February 2017. Salient contributions for the recognition include amalgamation of efforts of all cross section of the students leading to touching the lives of over 4500 children, 300 inmates of destitute homes, 300 blind people, 200 bus drivers and conductors and 100 mentally challenged persons.

Dr. A. K. Bakthavatsalam, Prof. R. Gururaj and a team of student volunteers coordinated the activity.

**ACHIEVEMENTS BY FACULTY****a. Top three contributors in terms of number of research publications (Department wise) in 2016-17***

S. No.	Department	Faculty
1.	Chemical Engineering	N Anantharaman G Arthanareeswaran K M Meera S Begam
2.	Civil Engineering	R Gandhimathi S T Ramesh K Muthukkumaran
3.	Computer Science Engineering	N Ramasubramanian S Mary Saira Bhanu R Leela Velusamy
4.	Electrical and Electronics Engineering	G Saravana Ilango C Nagamani S P Simon K Sundareswaran
5.	Electronics and Communication Engineering	S Raghavan D Sriramkumar P Muthuchidambaranathan
6.	Instrumentation and Control Engineering	M Umapathy G Uma K Dhanalakshmi
7.	Mechanical Engineering	S Suresh N Sivashanmugam K R Balasubramanian
8.	Metallurgical and Materials Engineering	S Natarajan N Ramesh Babu S Muthukumaran
9.	Production Engineering	P Sathiya S Vinodh R Jeyapaul
10.	Chemistry	S Anandan R Karvembu S Velmathi
11.	Energy and Environment	M Premalatha
12.	Mathematics	V Lakhmana Gomathi Nayagam R Ponalagusamy (late) R Ravindran
13.	Physics	N V Giridharan A Chandrabose B Karthikeyan

* Threshold: Minimum 3 papers

Source: Web of Science



b. Top three Sponsored Research Projects in terms of the amount sanctioned (Department wise) during 2016-17*

S. No.	Department	Faculty	Agency
1	Chemical Engineering	G Arthanareeswaran	Royal Academy of Engineering, UK
		M Perumalsamy	NCBR
2	Civil Engineering	R Deenadayal	SERB-DST
		S Jayalakshmi	GOLCHA
3	Electrical and Electronics Engineering	M Jaya Bharata Reddy	SERB-DST
4	Electronics and Communication Engineering	G Lakshmi Narayanan	UGC-UKIERI
5	Instrumentation and Control Engineering	M Umapathy	DRDO
		G Uma	GTRE-GATET
6	Mechanical Engineering	V Mariappan	BARC
		N Sivashanmugam	ISRO-RESPOND
		S P Sivapirakasam	ISRO-IPSC
7	Metallurgical and Materials Engineering	N Ramesh Babu	SERB-DST
		S Muthukumaran	Royal Academy of Engineering, UK
		K Sivaprasad	ISRO-RESPOND
8	Production Engineering	M Duraiselvam	GTRE-CARS
		V Anandakrishnan	GTRE-CARS
9	Chemistry	S Anandan	DST
10	Mathematics	V Shanthi	SERB-DST
11	Physics	A Chandrabose	SERB-DST
		S Manivannan	CSIR
		M C Santhosh Kumar	DST-TMD-CERI
12	Humanities	R Murugesan	RGNIYD

* Source: Office of the Dean (R&C), NIT, Tiruchirappalli

c. Top three Consultancy Projects in terms of the amount generated (Department wise) during 2016-17*

S. No.	Department	Faculty
1	Architecture	P Gopalakrishnan T Srinivas S Rajendrababu
2	Chemical Engineering	A Arunagiri
3	Civil Engineering	K Muthukkumaran S Moses Santhakumar R Jayasankar
4	Electrical and Electronics Engineering	K Sundareswaran
5	Instrumentation and Control Engineering	K Srinivasan

* Source: Office of the Dean (R&C), NIT, Tiruchirappalli

**RANK HOLDERS (UG & PG)****B.Tech. in CHEMICAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2012	1	102112041	N HARINI	9.84
	2	102112052	R BHARATH VENKATESH	9.65
	3	102112053	RAGHAVI K	9.63
2013	1	102113012	B SOUNDARYA	9.87
	2	102113009	ARVIND PARI	9.72
	3	102113066	VIGNESH SRIDHARAN	9.7
2014	1	102114004	ABHISHEK RAO	9.54
	2	102114054	SHIBASHISH DEVIDUTTA JAYDEV	9.52
	3	102114025	HARI PRIYA R	9.43

B.Tech. in CIVIL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2012	1	103112083	S GIRISH	9.85
	2	103112057	MOHANAPRIYA J	9.49
	3	103112030	E JAYA SHANKAR	9.46
2013	1	103113030	CHAVA TRIVENI	9.9
	2	103113042	KANCHARLA VINUTHA	9.7
	3	103113052	MANEPALLI PRIYUSHA LAKSHMI	9.66
2014	1	103114021	CHALAVADI SAI SRUJAN KUMAR	9.82
	2	103114006	ANANTHA SHIVA MANOHAR	9.75
	3	103114011	ARAVIND M K	9.66

B.Tech. in COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2012	1	106112033	HARI NARAYANAN S	10
	2	106112012	ARJUN B	9.86
	2	106112034	HARISH KULASEKARAN	9.86
	3	106112038	HEMAPRIYA J	9.81
2013	1	106113009	AMRITH RAJAGOPAL SETLUR	9.88
	2	106113021	CHALLA BHAVYA	9.8
	2	106113091	SUBHAM ROY	9.8
	3	106113022	CHEKURI AKHILA	9.73
2014	1	106114060	PANIGRAHI SMRUTITILAK DASH	9.67
	2	106114101	VEDURUPAKA NAVEEN KUMAR	9.6
	3	106114021	CHIDELLA VAGDEVI	9.44

B.Tech. in ELECTRICAL AND ELECTRONICS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2012	1	107112031	GURU RAGHAV R	9.95
	1	107112030	GURU PRAANESH R	9.95
	2	107112074	ROUNAK MEYUR	9.7
	3	107112061	PRADEEP KUMAR V B	9.51



2013	1	107113077	ROSHINI DEVI K L	9.61
	2	107113033	HIMANSHU SONI	9.49
	2	107113016	BADRINARAYANAN N	9.49
	3	107113039	KARPURAPU AKASH REDDY	9.41
2014	1	107114027	DIPTAK PAL	9.94
	2	107114068	NANDA KISHORE V	9.82
	3	107114026	DIKSHA AGARWAL	9.41

B.Tech. in ELECTRONICS AND COMMUNICATION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2012	1	108112102	VINAYAK SURESH	10
	2	108112066	REISHI KUMAAR T	9.72
	3	108112036	H NIVEDITHA	9.63
2013	1	108113001	A KARTHIK	9.83
	2	108113058	NANDHINI KUMAR	9.67
	3	108113084	SHREYANKA DHAR	9.54
2014	1	108114025	C RAVI SUNDARAM	9.8
	2	108114017	ASHWIN R	9.67
	3	108114088	SHREYAS TATER	9.55
	3	108114099	V POORNIMA	9.55

B.Tech. in INSTRUMENTATION AND CONTROL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2012	1	110112030	HARISH K	9.44
	2	110112012	ATUL ACHARYA	9.38
	3	110112081	SHAKEEB NADEEM	9.31
2013	1	110113086	SUDHARSHAN SURESH	9.58
	2	110113074	S RADHIKA	9.52
	3	110113077	SACHIN CHAURASIA	9.33
	3	110113007	AKHIL CHALLA	9.33
2014	1	110114013	ANJALI MITTAL	9.85
	2	110114018	BINDRA NISHIT SINGH NAVNEET SINGH	9.5
	3	110114073	S S FARHAD NAWAZ	9.38

B.Tech. in MECHANICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2012	1	111112103	VIKASH KUMAR	9.55
	2	111112064	PADMEYA PRASHANT INDURKAR	9.4
	3	111112021	CARDOZO JASON CONRAD	9.38
2013	1	111113032	I CHILTON FRAZER	9.74
	2	111113083	SIDDHANT DWIVEDI	9.72
	3	111113094	VAISHNAVI RAMASWAMY	9.62
2014	1	111114055	KARTIK PRAKASH	9.75
	2	111114102	TANGSALI KAUSTUBH MAHESH	9.71
	3	111114090	SIBANANDA PANIGRAHY	9.25
	3	111114068	PRAJAPATI NEHAL	9.25

**B.Tech. in METALLURGICAL AND MATERIALS ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2012	1	112112058	VRINDAA SOMJIT	10
	2	112112027	KUNDURU TEJASWINI	9.41
	3	112112032	MUKKA ANUDEEP	9.2
2013	1	112113062	YASHVI SINGH	9.88
	2	112113001	ADARSH S S	9.86
	3	112113015	HARIPRIYA K	9.76
2014	1	112114059	V ARTHI	9.94
	2	112114007	DANDALA SRIJA	9.83
	3	112114016	GAJAWADA NIRUPAMA	9.64

B.Tech. in PRODUCTION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2012	1	114112065	PRAVIN NATH J	9.87
	2	114112046	SUSINTIRA KUMAR M	9.49
	3	114112072	RANGARAJAN P	9.38
	3	114112062	POTTI SAI ABHINAY SAGAR	9.38
2013	1	114113027	DEVARAPU SRIHARSHA	9.75
	2	114113065	R SAI ARAVINDH	9.69
	3	114113062	R ARAVIND	9.67
2014	1	114114074	SAMRUDDHA KOKARE	9.81
	2	114114029	GOWTHAM R	9.77
	3	114114004	ADHARSH G	9.52

B.Tech. in I YEAR (2015)

Batch	Rank	Roll Number	Name	CGPA
2015	1	106115003	ABHINAYA S B	9.88
	2	110115075	R DWARITHAA	9.85
	3	107115010	ARNAB BHATTACHARJEE	9.83
	3	108115073	RUPESH GUPTA	9.83

B.Arch. in ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2011	1	101111040	KAVYA CHANDRASEKAR	8.93
	2	101111038	IVANA RAKSHIT	8.78
	3	101111030	SANDHIYA R	8.7
2012	1	101112043	SWETHA BHARGAVI A	9.83
	2	101112021	LAKSHMI K AJAYAN	9.61
	3	101112033	SAMINENI SRIVALLI	8.97
	3	101112030	R VIDHYA	8.97
2013	1	101113018	JESLU CELINE JACOB	8.95
	2	101113006	ANAGHA D	8.93
	3	101113013	B SANDHYA	8.45
2014	1	101114023	PRIYA S	9.11
	2	101114006	B AMREETA	9.02
	3	101114028	ROHITH R	8.77
2015	1	101115021	MD HASEEN AKHTAR	9.48
	2	101115004	ANU PREETHI S	8.73
	3	101115008	CHIRASMITA DAS	8.66

**M.Tech. in CHEMICAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2014	1	202114022	MALLURI SAI VIJAYA KRISHNA	9.27
	2	202114003	GAYATHRY L	9.25
	3	202114023	RELANGI VENUGOPALAKRISHNAGOWDA	8.98
2015	1	202115017	MAHAJAN GOKUL VISHWANATH	9.38
	2	202115020	DIVYA B	9.23
	3	202115010	YOHANNAN SUBIN SABILON	9.18

M.Tech. in ENERGY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	202314018	RAGHU KRISHNA MOORTHY	9.86
	2	202314009	CHATRAGADDA PRIYANKA	9.55
	3	202314019	RAKHI M S	9.2
2015	1	202315018	MIJI E J	9.71
	2	202315004	DABILIPURAM NAVEEN	9.64
	3	202315001	SAMEEHA MOHAMED SALI	9.52

M.Tech. in PROCESS CONTROL AND INSTRUMENTATION

Batch	Rank	Roll Number	Name	CGPA
2014	1	210114024	JIJO BENNI	9.54
	2	210114007	SREEDEVI GOPINATH	9.2
	3	210114002	G SRUTHI	9.11
2015	1	210115012	JADHAV RUSHIKESH RAMRAO	9.33
	2	210115011	ARSHAD HUSSAIN	8.85
	3	210115005	VARUN T R	8.73

M.Tech. in TRANSPORTATION ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2014	1	203114021	BUSH B THOMAS	9.18
	2	203114015	RAJKUMAR A S	9.14
	3	203114020	REJITH S	8.86
2015	1	203115005	APARNA S	9.79
	2	203115009	PARVATHY M R	9.33
	3	203115007	DIVYA K SADASIVAN	8.95

M.Tech. in STRUCTURAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	203214002	MUNUKUTLA SAIKRISHNA	9.21
	2	203214021	E AARTHY	8.83
	3	203214014	K V VISWA KIREETI	8.62
2015	1	203215006	NARSIRAM GURJAR	9.55
	2	203215009	MEENAPRIYA G	9.12
	3	203215008	ANJANA N	9.05

**M.Tech. in ENVIRONMENTAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2014	1	203414024	NANDHINI S	9.15
	2	203414025	VIGNESHWAR J	9.03
	3	203414012	SIVAMATHINI R	9
2015	1	203415004	ARCHA BAIJU	9.62
	2	203415013	JAYASHREE S	9.36
	3	203415012	G VENKATA KOULINI	9.19

M.Tech. in CONSTRUCTION TECHNOLOGY AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2014	1	203514006	SUBRAJA R	9.58
	2	203514003	PALLAVI ANAND	9.53
	3	203514020	KAVITI KRANTHI KUMAR	9.16
2015	1	203515024	AMIT AGARWAL	9.63
	2	203515022	SELVASUNDARAM S	9.22
	3	203515025	AJIT KUMAR K	9.2

M.Tech. in COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	206114004	BORKAR PRAKASH TOLIRAM	9.83
	2	206114006	DHANANJAY KUMAR DUBEY	9.64
	3	206114023	HEMANTHKUMAR S	9.14
2015	1	206115013	SIRAJ P S	9.75
	2	206115023	KARTHIKEYAN M	9.35
	2	206115030	KARTHIK R	9.35
	3	206115025	AMRITHA U	8.85

M.Tech. in POWER ELECTRONICS

Batch	Rank	Roll Number	Name	CGPA
2014	1	207214006	VIJAYANARAYANAN S	9.37
	2	207214002	NIPUN MANIRAJAN	9.19
	3	207214001	NAVAS ALI K	9.1
	3	207214014	HARI KRISHNAN T	9.1
2015	1	207215002	AKHIL S	9.45
	2	207215025	NIKHIL K A	9.05
	3	207215004	AJU SIVAN	8.89

M.Tech. in POWER SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2014	1	207114019	KONDRAPU ANUSHA	9.81
	2	207114027	LALITHA SRIDEVI MANGU	9.42
	3	207114002	S KISHORE REDDY	9.32
2015	1	207115017	VAISHNAVI R	9.13
	1	207115013	HARI SANKER K	9.13
	2	207115014	VISHNU R	9.08
	3	207115010	PUDI SHANMUKESH	9.05

**M.Tech. in COMMUNICATION SYSTEMS**

Batch	Rank	Roll Number	Name	CGPA
2014	1	208114009	VEENA K	9.47
	2	208114014	SOURABH SINGH RAJPUT	9.36
	3	208114019	RACHCHH KSHITIJ HIMANSHUBHAI	9.35
2015	1	208115017	FLORINTINA C	9.88
	2	208115015	JOSHI SANKET DHANANJAY	9.48
	3	208115020	SINGASANI LAKSHMI REDDY	9.26

M.Tech. in VLSI SYSTEM

Batch	Rank	Roll Number	Name	CGPA
2014	1	208214018	THODIGOTLA SRINIVASA TEJA	9.64
	2	208214023	SANGEETHA M V	9.36
	3	208214012	KOTTAPALLI SUPRAJA	9.35
2015	1	208215001	KADAPALA SREEKANTH REDDY	9.81
	2	208215002	SUSMITHA S	9.64
	3	208215009	HITESH DIXIT	9.6

M.Tech. in INDUSTRIAL SAFETY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	211214024	SINGAMSETTY VAMSHI KRISHNA	9.71
	2	211214020	BINAZ V	9.29
	3	211214001	ELDHOSE P ALIYAS	9.21
2015	1	211215016	ISSATH EBRAHIM P M	9.44
	2	211215002	DILSHAD AHAMMED T T	9.36
	3	211215024	NISTHU A P	9.03

M.Tech. in THERMAL POWER ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	211314010	SARAVANA KUMAR B	9.75
	2	211314026	GURDEEP SINGH	9.51
	3	211314007	SALUNKHE PRADIP VITTHAL	9.39
2015	1	211315016	SUDHIR KUMAR SAHOO	9.57
	2	211315005	ASHUTOSH BHARTI	9.49
	3	211315021	S ANANDAKRISHNAN	9.24

M.Tech. in MATERIALS SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	212214003	JAYDEEP SAHA	9.72
	2	212214011	NAMBIAR ROHITH RAGHAVAN	9.48
	3	212214005	PUPPALA LAXMAN MANI KANTA	9.11
2015	1	212215017	ARUN MOHAN	9.85
	2	212215001	ANOOP TOBY	9.24
	3	212215007	GOKUL RAM S	9

**M.Tech. in INDUSTRIAL METALLURGY**

Batch	Rank	Roll Number	Name	CGPA
2014	1	212314019	GARUGU MIDHUN KUMAR	9.55
	2	212314015	SUBRAHMANYAM ADABALA	9.48
	3	212314005	SUTAR ABHIJIT ASHOK	9.22
2015	1	212315009	VIVEK GAURAV	9.46
	2	212315011	YERRA UMAMAHESWARA RAO	9.24
	3	212315004	ASISH SHAJI VARGHESE	9.05

M.Tech. in WELDING ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	212114026	KESAVAMOORTHY M	9.58
	2	212114016	KAJVE AMRUT SHAHURAO	9.45
	3	212114004	ANANTAPALLI PRANEETH	9.18
2015	1	212115001	LAHOTI AKSHAY DADARAO	9.27
	2	212115014	MOHAMED ALEEM S	9.24
	3	212115026	RISHABH SHARMA	9.17

M.Tech. in INDUSTRIAL ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2014	1	214214019	AGRAWAL RAHUL SUNIL	9.56
	2	214214001	WANKHEDE VISHAL ASHOK	9.55
	3	214214014	KANAV MAHAJAN	9.35
2015	1	214215007	YADAV RAMESH RAMDHANI	9.6
	2	214215015	SALMA MORRIS	9.53
	3	214215017	DHAKSHINAMOORTHY A M	9.29

M.Tech. in MANUFACTURING TECHNOLOGY

Batch	Rank	Roll Number	Name	CGPA
2014	1	214114029	BOOPATHY S	9.62
	2	214114028	CHOCKALINGAM C	9.58
	3	214114002	SUMIT KUMAR	9.32
2015	1	214115005	G PRABU	9.4
	1	214115020	MOHAN SATYA NARAYANA REDDY N	9.4
	2	214115027	PRADEEP BENEDICT T	9.36
	3	214115011	HRISHIKESH K P	9.16

M.Tech. in NON-DESTRUCTIVE TESTING

Batch	Rank	Roll Number	Name	CGPA
2014	1	213114028	TORANE VAIBHAV VIJAY	9.59
	2	213114023	MANAS MISHRA	9.41
	3	213114007	AZAD CHANDRA SHEKHAR	9.33
2015	1	213115012	S SARAVANAN	9.48
	2	213115004	UGADI SUNIL	9.35
	3	213115007	ROHIT KUMAR AGRAWAL	9.25

**M.Sc. in COMPUTER SCIENCE**

Batch	Rank	Roll Number	Name	CGPA
2014	1	216214009	MONISHA DEVI M	9.09
	2	216214011	JAYASURYA S	9.03
	3	216214015	SARVIKA S P J	8.64
2015	1	216215011	KALYAN KS	9.61
	2	216215019	AMANI ANORD	9.26
	3	216215004	SANGEETHA I	8.42
	3	216215014	ASMITHA G R	8.42

M.Sc. in CHEMISTRY

Batch	Rank	Roll Number	Name	CGPA
2014	1	204114008	R HARITHA	9.36
	2	204114005	TANYA MARIA D` ROZARIO	9.1
	3	204114003	M KEERTHANA	8.93
2015	1	204115013	PRIYANKA CHAKRABORTY	9.87
	2	204115010	L K NIVEDHA	9.18
	3	204115021	VISHNUNARAYANAN NAMBOOTHIRI V P	9.08

M.Sc. in PHYSICS

Batch	Rank	Roll Number	Name	CGPA
2014	1	213214004	RAJANI K GANGADHARAN	9.55
	2	213214014	NAVEENA P	9.3
	3	213214011	ABHINAV ANAND	9.23
2015	1	213215002	PARVATHI HARIKUMAR	9.82
	2	213215011	SUTHA G	9.61
	3	213215025	SHEBHA ANANDHI J	9.53

MBA in MANAGEMENT STUDIES

Batch	Rank	Roll Number	Name	CGPA
2014	1	215114001	SHILPA SANKAR	9.47
	2	215114002	PRAMODH K P	9.24
	2	215114012	ANJANEYA BHARADWAJ CHERUVU	9.18
	3	215114071	MADHUL JAIN	8.9
2015	1	215115037	SHADHIN S	9.38
	2	215115009	ANJU AJAYKUMAR	9.33
	3	215115026	KAVYA KRISHNAN K	9.18

MCA in COMPUTER APPLICATIONS

Batch	Rank	Roll Number	Name	CGPA
2013	1	205113003	SHOBHAN GARG	9.86
	2	205113019	DIVYA MEHTA	9.62
	3	205113008	ENKESH GUPTA	9.38
2014	1	205114001	SRISHTI GUPTA	9.79
	2	205114091	PREETI	9.55
	3	205114048	CHANCHAL CHOUHAN	9.5
2015	1	205115003	SHUBHAM JAIN	10
	2	205115030	MEGHNA NIVSARKAR	9.84
	3	205115009	GUNJAN BHADANI	9.74

**ENDOWMENT AWARDS**

S. No.	Name of the award	Roll No	Name
1.	Smt. G. S. Rajalakshmi memorial award presented to first three Rank holder upto VII Semester in Chemical Engineering.	102113012	B SOUNDARYA
		102113009	ARVIND PARI
		102113016	CHARULATHA B
2.	Dr. M. Shanmugam award for the first rank holder upto VII Semester in Civil Engineering.,	103113030	CHAVA TRIVENI
3.	Sri. Karchae Endowment award for the best project in the Department of Architecture	101111015	KARTHICA K
4.	Sri. M.S. Balakumaran award for the best outgoing student of M.Tech. NDT	213115007	ROHIT KUMAR AGRAWAL
5.	Prof. S. Muthukaruppan endowment award for the second Rank holder in EEE Branch up to VII Semester.	107113086	SATRUJIT MOHANTY
6.	Sri. Janardhana Iyengar memorial award for the best Academic Performance in just concluded academic year.	106112033	HARI NARAYANAN S
		108112102	VINAYAK SURESH
		112112058	VRINDAA SOMJIT
7.	Smt. Seethamma memorial award for the first rank holder upto VII Semester in the ECE Branch.	108113058	NANDHINI KUMAR
8.	Dr. Sargurudoss memorial award for the best performance in Mathematics in I Year B.Tech.	106115021	DEEP BHATTACHARYYA
9.	Sri. Avinash memorial award for the best outgoing male student of ICE branch	110113086	SUDHARSHAN SURESH
10.	Sri. Avinash memorial award for the best outgoing female student of ICE branch	110113009	ANJANA GAYATHRI A
11.	Prof. Ibrahim / Dr.Sittaraman Award for the best outgoing student of DoMS	215115037	SHADHIN S
12.	Prof. Thirumalaiarasan award for the Topper in HR and OB Subjects in MBA	215115009	ANJU AJAYKUMAR
		215115074	PREETHI R
13.	Srimathi Neela Balasubramanian memorial award for best out-going student in ECE branch	108113058	NANDHINI KUMAR
14.	Karthik S Memorial Award for the first rank holder upto VII semester in B.Tech Production Engineering.	114113062	R ARAVIND
15.	Smt. Vijayalakshmi Kannan memorial award For the first rank holder upto VII semester in B.Tech. ECE	108113058	NANDHINI KUMAR
16.	Late S. Doraiswamy memorial award for the first rank holder upto III semester M.Tech. Industrial safety Engineering.	211215018	SAMBHU B



17.	Sri. Ramanujam and Smt. Sundari Ramanujam memorial award for the first rank holder in English in B.Tech.	112115057	SHRUTI SARAH ANAND
18.	Mr.Subash Chandrabose endowment award for the best outgoing in B.Tech. MME	112113062	YASHVI SINGH
19.	Dr. T. Balasubramaniam endowment award for the first rank holder in M.Sc. Physics in I and II Semester	213215002	PARVATHI HARIKUMAR
20.	Dr. A. L. Abdus Sattar, memorial award for the outstanding student in III year ECE	108114025	C RAVI SUNDARAM
21.	Mr.Oisik Adak Endowment Award for "Best Creative Designer" in the Department of Architecture	101112030	R VIDHYA
22.	Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular architecture	101114002	AKSHAY GANESH
		101114021	POOJA SHAJIL LAL THOZHUTHUMPA RAMBIL
		101114023	PRIYA S
		101114027	RITU CHOUDHARY
		101114032	SARANYA SANTHOSH
		101114038	STEPHY ANN TOMY
		101114046	V LAXMI SRAVANI
		101114048	VIGNESH KIRAN R
23.	S J Chainulu Medal of Excellence (For the First Rank Holder in First year)		
	1. Chemical Engineering	102115060	SRIHARI S
	2. Civil Engineering	103115003	ABHISHEK RAJ
	3. Computer science and Engineering	106115003	ABHINAYA S B
	4. Electrical and Electronics Engineering	107115010	ARNAB BHATTACHARJEE
	5. Electronics and Communication	108115073	RUPESH GUPTA
	6. Instrumentation and Control Engineering	110115075	R DWARITHAA
	7. Mechanical Engineering	111115015	ASHUTOSH PANI
	8. Metallurgical and Materials Engineering	112115017	KULKARNI ANISH NIRANJAN
	9. Production Engineering	114115025	DIVAHAR J
24.	Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA)	215115058	PRATIK PAL



25.	Prof. K. S. Pandey memorial Outstanding Student Award (The student should be within the top 10% of the class or within top 10 ranks of the class based CGPA at the end of 7 th Semester and also be active in sports activities)	112113001	ADARSH S S
26.	Prof. K. S. Pandey memorial Academic Achievement Award for the academically best student based on CGPA at the end of five semesters of the B.Tech. (MME) programme	112114059	V ARTHI
27.	Best outgoing student of MME M/s Chennai Metco Pvt.Ltd Chennai	112113037	PAVITHRAA DEVI A
28.	Metallographic contest winner M/s Chennai Metco Pvt.Ltd Chennai	112113015	HARIPRIYA K
29.	Best NCC Cadet	101113036	RAVIPUDI SRIKANTH
		102113021	HARIKISHORE R

ALUMNI AWARDS (UG)

Sl. No.	Department	Roll No.	Name	CGPA
1.	Architecture	101112043	SWETHA BHARGAVI A	9.24
2.	Chemical Engineering	102113012	B SOUNDARYA	9.82
3.	Civil Engineering	103113030	CHAVA TRIVENI	9.7
4.	Computer Science and Engineering	106113009	AMRITH RAJAGOPAL SETLUR	9.87
5.	Electrical and Electronics Engineering	107113077	ROSHINI DEVI K L	9.57
6.	Electronics and Communication Engineering	108113058	NANDHINI KUMAR	9.49
7.	Instrumentation and Control Engineering	110113086	SUDHARSHAN SURESH	9.5
8.	Mechanical Engineering	111113083	SIDDHANT DWIVEDI	9.58
9.	Metallurgical and Materials Engineering	112113062	YASHVI SINGH	9.9
10.	Production Engineering	114113062	R ARAVIND	9.63

ALUMNI AWARDS (M.Tech. / M.Sc. / MCA / MBA)

S. No.	Dept./Specialization	Roll. No.	Name	CGPA
1.	Chemical Engineering	202115017	MAHAJAN GOKUL VISHWANATH	9.29
	Chemical Engineering			
2.	Energy and Environment	202315018	MIJI E J	9.78
	Energy Engineering			



3.	Civil Engineering			
	Transportation Engineering and Management	203115005	APARNA S	9.61
	Structural Engineering	203215006	NARSIRAM GURJAR	9.43
	Environmental Engineering	203415004	ARCHA BAIJU	9.48
	Construction Technology and Management	203515024	AMIT AGARWAL	9.49
4.	Computer Science and Engineering			
	Computer Science and Engineering	206115013	SIRAJ P S	9.81
5.	Electrical and Electronics Engineering			
	Power Systems	207115013	HARI SANKER K	9.34
		207115017	VAISHNAVI R	9.34
	Power Electronics	207215002	AKHIL S	9.58
6.	Electronics and Communication Engineering			
	Communication Systems	208115017	FLORINTINA C	9.91
	VLSI System	208215002	SUSMITHA S	9.5
7.	Instrumentation and Control Engineering			
	Process Control and Instrumentation	210115012	JADHAV RUSHIKESH RAMRAO	9.25
8.	Mechanical Engineering			
	Thermal Engineering	211315016	SUDHIR KUMAR SAHOO	9.67
	Industrial Safety Engineering	211215018	SAMBHU B	8.92
9.	Metallurgy and Materials Engineering			
	Welding Engineering	212115001	LAHOTI AKSHAY DADARAO	9.43
	Materials Science and Engineering	212215017	ARUN MOHAN	9.89
	Industrial Metallurgy	212315009	VIVEK GAURAV	9.58
10.	Production Engineering			
	Manufacturing Technology	214115005	G PRABU	9.53
		214115020	MOHAN SATYA NARAYANA REDDY N	9.53
	Industrial Engineering and Management	214215007	YADAV RAMESH RAMDHANI	9.67
11.	Physics			
	Non-Destructive Testing (M.Tech.)	213115007	ROHIT KUMAR AGRAWAL	9.42
	Physics (M.Sc.)	213215002	PARVATHI HARIKUMAR	9.73
12.	Chemistry			
	Chemistry	204115013	PRIYANKA CHAKRABORTY	9.81
13.	Management Studies			
	Master of Business Administration	215115037	SHADHIN S	9.29
14.	Computer Applications			
	Master of Computer Applications	205114001	SRISHTI GUPTA	9.69
	Computer Science (M.Sc.)	216215011	KALYAN KS	9.58

**OTHER AWARDS (INSTITUTED BY RECAL)**

Sl. No.	Name of the award	Roll No.	Name
1.	Overall Outstanding Student of the year	112113015	HARIPRIYA K
2.	Anand Chidambaram Memorial Award, for the X rank holder in Chemical Engineering. Based on the performance from I to VII semesters	102113010	ARVIND SRIVATSAVA R
3.	Outstanding Sportsman	114113052	N SRIVANTH
4.	Outstanding Sportswoman	106113001	ABHA SUMAN
5.	Best Batsman of the year	112113020	JAGADALE AKSHAY SHAMRAO
6.	Best Bowler of the year	107113056	NADARAJAH KAPILASH

ENDOWMENT AWARDS**G. S. Rajalakshmi award:**

This award was instituted by Mr. G. S. Ranganathan, a student of Chemical Engineering department between 1986 – 1990 in memory of his mother who passed away in U.S. in a car accident. This award presented to first three rank holders in the department of Chemical Engineering based on their performance up to VII semester.

Dr. M. Shanmugam Endowment award for I rank holder in civil Engineering:

Dr. M. Shanmugam a former Professor and Head of Civil Engineering Department of this college was a specialist in the area of Structures. He took voluntary retirement to concentrate in consultancy. He has instituted an award for the topper in Civil Engineering branch. The endowment is currently worth Rs. 4, 00,000. This award carries a gold medal and a Citation and is presented to a student for his/her outstanding performance from I to VII semester.

Architect Kharche Endowment award:

Architect Kharche Endowment award is given for the best project work performed in the Architecture branch. The award carries a Citation and a cash award.

Shri. M. S. Balakumaran Endowment award for I rank holder in M.Tech. Non Destructive Testing.

Shri. M. S. Balkumaran an old student of M.Tech. Non Destructive Testing programme has created an endowment to honour the I rank holders in M.Tech. Non Destructive Testing Programme. This award carries a Citation and a cash award and is presented for his / her excellent performance throughout the M.Tech. NDT Programme.

Prof. S. Muthukaruppan Endowment award for II rank holder in Electrical and Electronics Engineering

Prof. S. Muthukaruppan was a faculty in Electrical and Electronics Engineering department for more than 3 decades and retired from service 10 years ago. He has



instituted an award for the II rank holder in Electrical and Electronics Engineering branch. This award carries a Citation and a cash award.

Sri. Janardhana Iyengar Memorial award:

This award was instituted by Prof. M. J. S. Rangachar, a former Professor of Electronics and Communication Engineering department, with an endowment of Rs 10000/- in memory of his father. He retired from service in 1998. This is for the best academic performance in the immediately concluded Academic year. This award carries a Citation and a cash award.

Seethamma Memorial award for the best Electronics and Communication Engineering student:

This award was once again created by Dr. M. J. S. Rangachar with an endowment of Rs 10000/- in memory of his mother. This award is given to the topper in Electronics and Communication Engineering department based on the performance from I to VII semester. This award is presented to a student for his/her outstanding performance up to VII semester. The award carries a Citation and cash award.

Dr. Sargurudoss Memorial award for best mathematics Student in B.E./B.Tech.

This award is instituted in memory of (Late) Dr. Sargurudoss, Professor from Bishop Heber College for the best performance in Mathematics in I year. This award is presented to a student for excellent performance in Mathematics in I year. This award carries a Citation and cash award.

Avinash memorial award:

Avinash memorial award is instituted for Best outgoing student of Instrumentation and Control Engineering branch. The award is given to the best outgoing Male student and the best outgoing female student of Instrumentation and Control Engineering branch. The award carries a Citation and a cash award.

Prof. Ibrahim –Dr. Sitaraman Award:

Prof. Ibrahim former Head of Chemical Engineering Department was the Professor Incharge of Management Programme in this Institute when this programme was introduced in 1978. He continued to head the department till he left the college in 1984.

Dr. Sitaraman was a visiting faculty to Management department ever since it was introduced in this Institute. He was instrumental in giving a proper direction to the programme listing out objectives updating the syllabi and so on and so forth till he left abroad in late 80s. In appreciation of the efforts of both during the formative years of the department, an endowment has been created by Alumni, and is given to the best MBA student. The award carries a Citation and a Cash award.

Prof. Thirumalaiarasan Award:

This award is in memory of Prof. Thirumalaiarasan. He joined the Management studies department in mid 80s. He was an expert in the area of HR and also had a very rich



experience of working in Industry before turning to academics. In his memory, the award is given to the topper in HR & OB Subjects in MBA. The award carries a Citation and a Cash award.

Smt. Neela Balasubranian Memorial Award:

This award is instituted by Prof. Sekar, an alumnus and currently Prof in IIM Bangalore in memory of his mother. This award is given to Electronics and Communication Engineering student based on his performance from III to VII semester and also based on his co-curricular activities. This award is presented to a student whose outstanding performance up to VII semester. The award carries a Citation and a cash award.

Karthik S Memorial Award:

This award has been instituted by the Parents of S. Karthik whose career was nipped in the bud due to an accident. He was a student of Production Engineering department. This award is given to the topper in Production engineering department It carries a Citation and a Cash award.

Smt. Vijayalakshmi Kannan Award:

This is an award Instituted by Mr. Kannan, a senior office Staff of this Institution in memory of his wife. This award is given to the topper in Electronics and Communication Engineering department based on the performance from I to VII semester. This maiden award is presented to student for his/her outstanding performance up to VII semester. The award carries a Citation and a Cash award.

Sri. S. Doraiswamy memorial award:

This award is instituted by Prof. T.S. Rajan in memory of Sri. Doraisamy DGM (safety) BHEL, Trichy. Mechanical Engineering department was the first in this country to introduce a PG programme to highlight the Importance of safety way back in 1984. This award is given to the topper in M.Tech. Industrial safety Engineering programme

Sri Ramanujam and Smt. Sundari Ramnujam memorial award:

Sri Ramanujam and Smt. Sundari Ramnujam memorial award for the best performance in English in I year B. Tech. during the recently concluded academic year. This award is instituted by Prof. Gururaj of English Department in memory of his parents. This award bags this award and it carries a Citation and a cash prize of Rs. 500/-

Mr.Subash Chandrabose endowment award for the best outgoing in B.Tech. Metallurgical and Materials Engineering:

This was instituted by Mrs. Saraswathi, formerly senior superintendent at our Institute. This award is presented to the topper in Metallurgical and Materials Engineering branch.

Prof. T. Balasubramanian Award:

This award is Instituted by Prof. T. Balasubramanian, Professor of Physics, and formerly Dean (academics) and Head of Physics department on completing 40 years



of service as Physics teacher. He joined this Institution in 1998 as Professor. This award is presented for the best academic performance in I year M.Sc. Physics.

Dr. A.L. Abdus Sattar Memorial Award:

This award is instituted in memory of Prof. Abdus Sattar, one of the Professors instrumental in developing the department during its formative years. Dr. Sattar cared genuinely about his students. As a professor, mentor, friend and guide, he was always available. Simple and unpretentious, Dr. Sattar lead by example inspiring everyone who was fortunate enough to have worked with him to collaborate, and support one another undeterred by challenges. In his memory his students have instituted an award. The award is given to one outstanding student in third year of Electronics and Communication Engineering, who best exemplifies the spirit of Late Dr. A.L. Abdussattar. The award carries a citation and cash award.

Mr. Oisik Adak Endowment Award for “Best Creative Designer” in the Department of Architecture:

This award instituted by Mr. Adak for encouraging creativity among the students of Architecture. This award carries a cash prize and certificate

Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular architecture:

This was instituted by Prof. Fernando, formerly Professor in the department of Architecture to recognize work in the area of Vernacular Architecture.

S J Chainulu Medal of Excellence (For the First Rank Holder in First year):

This award with an endowment of Rs 4 lakhs has been instituted by by parents of S J Chainulu, who was earlier our student. This award is given to the toppers in I year B.Tech. programme in each branch. The award carries a Medal and a certificate.

Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA):

This was Instituted in memory of Prof. Raja formerly HoD of Management department. He joined the Institute in 1987 after completing his MBA programme in our Institute. After serving the Institute close to 2 decades, he took up assignment abroad. In his memory, to honour the students for their outstanding performance in Accounting and Finance subjects in First Year, this award has been instituted.

Dr K.S Pandey memorial awards:

A sum of Rs 1.17 lakh endowment has been created in 2016 for this award by Dr.(Mrs.) S. K. Pandey., formerly Professor of Chemical Engineering, NIT-T and later Director of NIT, Srinagar, Sant Longowal Institute, Punjab and NIT Karaikal, Puducherry

a) Dr K.S Pandey memorial outstanding student award:

Dr K.S Pandey memorial outstanding student award for a final year Metallurgical and Materials Engineering student. The student should be within top 10% of the class or

within 10 ranks based on CGPA at the end of 7th sem and should be active in sports. The student is also given weightage for co and extra-curricular activities. The award carries a citation and a cash prize of Rs. 5000/-

b) Dr K.S Pandey memorial academic achievement award:

This is based CGPA at the end five semesters in B.Tech Metallurgical and Materials Engineering programme. The award carries a citation and a cash prize of Rs. 3000/-

M/s. Chennai Metco (P) Ltd award for the best outgoing student in MME and Metallographic contest winners:

In addition, the following awards are also instituted by RECAL

Anand Chidambaram Memorial Award (Cash) / Tenth Rank Holder in Chemical Engineering:

Anand Chidambaram was a student of chemical engineering department from 1985 – 1989. He was a sweet and charming personality liked not only by his classmates but also by faculty. He was the 10th rank holder when he graduated from this Institution. In his memory his parents have instituted an award for the 10th rank holder of Chemical Engineering branch based on the performance from I to VII semester. This award carries a Citation, Cash prize and a memento.

Praveen Kumar memorial award for the best performance in I year “E” section 2003-04:

This award was instituted by I year “E” section students of 2000-01 academic year for the best performance in I year E section.

Ramesh Sampath Memorial Award for outstanding cricketer of the year

Mr. Ramesh Sampath was an old student of this college, and graduated in Electronics and communication Engineering branch in 1972. He had represented Trichy district cricket association & Madras University while he was a student of this college. Subsequently he joined ISRO and played for kerala state. He was a prolific scorer against the famous spinners likes EAS Prasanna, B.S Chandrasekhar and S. Venkatragavan. It was no surprise when he was selected to represent south zone in Duleep trophy matches. He met with a tragic accident while he was holidaying at Goa and passed away in 1992. In his memory RECAL honours the best REC cricketer every year. This award carries a citation, moments and a cash award of Rs 500

Overall Outstanding Student of the year

Outstanding student award of the year is given to the student who has excelled in academics, cultural events, sports etc. The award is open to all the full time final year under graduate students. This award carries Citation and a Gold medal.

PROFILE OF DEPARTMENTS / CENTRES

Department : Architecture

Department of Architecture got two special mentions in the National Association of Students of Architecture convention 2017. We have started our first PG Programme in Energy efficient and sustainable buildings. Department of architecture entered MoU with Ministry of Housing and Urban Poverty Alleviation under technology sub-mission of PMAY (Pradhan Mantri Awas Yojana). Our students won many national and international competitions in academic, sports and cultural events.

Summary (2016-17)

S. No.	Details	Total Nos.
1.	Journals / International	2
2.	Journals / National	1
3.	Conference / International	3
4.	Conference / National	1
5.	No. of books / books chapters published	1
6.	Fellowships / Internship in Abroad (Students)	4 internship
7.	Industrial Lectures	2
8.	Guest Lectures	19
9.	Technical Symposium	2



Department : Chemical Engineering

Chemical Engineering Association has organized ALCHEMY 2017 with additional events like panel discussion and outreach activities and Industrial lectures by experts from IIT and IISc. In connection with Golden jubilee celebration of the dept. 4 lectures have been organized. International conference on Membrane separation was organized from 21.02.2017 to 23.02.2107 with many key note lectures by International experts on membrane separation. Dr. K. M. Meera Sheriffa Begum has applied for two patents in association with Dr. P. Uma Maheswari, Adhoc faculty in Chemistry department, Dr. N. Samsudeen got selected for Prestigious **Bioenergy Award for Cutting Edge Research (B-ACER)**

Summary (2016-17)

S. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	27			
2.	Conference (International)	3			
3.	Conference (National)	5			
4.	Sponsored Projects	No's:	1	Amount	39.33 lakhs
5.	No. of Ph.Ds awarded / Submitted	3			
6.	No. of Patents obtained / applied for	2			
7.	No. of books /books chapters published	4			
8.	Fellowships / Internship / Abroad Visits (Faculty / Students)	5			
9.	Industrial Lectures	4			
10.	Guest Lectures	27			
11.	Technical Symposium / Conferences	One student symposium ALCHEMY 2017 and one International conference MEMSEP 2017			



Membrane separation Inaugural function



Alchemy (ChEA) 2017 Inaugural function

**Department : Chemistry**

Department of Chemistry trains about 1000 B.Tech. students per Year in branch-specific Engineering Chemistry course. About 58 M.Sc. students and 60 research scholars specializing in Chemistry benefit from the advanced and varied research facilities available in the Department. The Department has the state of art Research labs (7 Nos), M.Sc. Labs (4 Nos.) and B.Tech. Labs (2 Nos.). The faculty members and the research scholars regularly publish their research findings in high impact journals. In the current year, 10 research scholars successfully defended their thesis. 5 research scholars received awards for Oral/Poster presentations. Two GIAN lecture programmes titled, "Fuel cells for Automotive Applications" and "Supramolecular Photochemistry" were organized. A National Convention of Electrochemists was organized in association with CECRI and SAEST, Karaikudi. A National level students' symposium titled, "HORIZON" is conducted annually by the Post graduate students of Chemistry Department showcasing the academic, extracurricular and event managerial talents of the students, providing valuable platform for the students from other Institution to interact with the subject and research experts. Mr. Carlson Alexander, I M.Sc. Chemistry, NIT-T has been selected by DST to attend the Nobel Laureate Conference to be held at Lindau, Germany from 25 – 30 June 2017. He is one of the 23 selected candidates representing India at the Nobel Laureate Conference.

Summary (2016-17)

S. No.	Details	Total Nos.			
		Nos	1	Amount	20 Lakhs
1.	Research papers in Journals / International (SCI and SCI Expanded)			40	
2.	Conference (International)			2	
3.	Conference (National)			8	
4.	Sponsored Projects	Nos	1	Amount	20 Lakhs
5.	No. of Ph.Ds awarded / Submitted			10	
6.	Fellowships / Internship / Abroad Visits (Faculty / Students)			2	
7.	Guest Lectures			10	
8.	Technical Symposium / Conferences			3	



GIAN course on Fuel cells for Automotive Applications



HORIZON 16

Department : Civil Engineering

Civil Engineering Department is one of the oldest Departments started along with the inception of the then Regional Engineering College Tiruchirappalli. With the endless effort, the Department as a whole continued to achieve excellence in the Academic Year 2016-2017. M.Tech. Transportation Engineering and Management programme was accredited for 5 years by the National Board of Accreditation. Faculty members were actively involved in Teaching, Research and Consultancy related works. In this Academic Year, Marine Technology Student Chapter (MTS) was inaugurated with the support of National Institute of Ocean Technology (NIOT), Chennai. The 6th Young Indian Geotechnical Conference was organized in association with Indian Geotechnical Society (IGS), Trichy Chapter. The student community, achieved many meritorious awards. Just to mention a few, students of Civil Department were nominated to present a project at the Festival of National Innovation held at Rashtrapati Bhavan, New Delhi. Students were able to get internship at Universities abroad with the financial support of DAAD, MITACS fellowship, NTU-India Connect Internship etc. and in leading Indian Institutes such as IIT's. IISc, and other prominent industries. Students also received prestigious fellowships such as Indian Academy of Sciences Fellowship, TU Delft Excellence Scholarships etc.

Summary (2016-17)

S. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	36			
2.	Journals (others)	6			
3.	Conference (International)	10			
4.	Conference (National)	20			
5.	Sponsored Projects	Nos	3	Amount	30 lakhs
6.	Consultancy work	No	178	Amount	75 lakhs
7.	No. of Ph.Ds awarded / Submitted	5			
8.	Fellowships / Internship / Abroad Visits (Faculty / Students)	5 Faculty+ Student internship 10			
9.	Industrial Lectures	9			
10.	Guest Lectures	7			
11.	Technical Symposium / Conferences	10 Workshops + 2 symposiums + 2 Seminars +3 Conferences			



Inauguration of 6th Indian Young Geotechnical Engineers Conference



Inauguration of Moments 2017

Department : Computer Science and Engineering

Department of Computer Science and Engineering with its cohesive team of faculty members, offers a sound program at the UG, PG, M.S. (By Research), and Ph. D. levels. The curriculum is a blend of the conventional and the radical. It is updated regularly to keep up with the growing demands and the changing trends of the software industry and research laboratories. Core courses include Programming Languages, Computer Architecture, System Software, Networking Technologies and Artificial Intelligence. In the academic year 2016-17, department participated and won prizes in many technical as well as cultural events held in intra and inter colleges within India. The department has organized various workshops, industrial, and guest lecturers in the areas namely Cryptology, Cyber security and forensics, Internet of things, Big Data Analytics, etc. This year department has published several research articles in reputed conferences and journals. The students of our department are encouraged to do internships in different technical MNCs, top Universities with in India as well as abroad.

Summary (2016-17)

S. No.	Details	Total Nos.
1.	Research papers in Journals / International (SCI and SCI Expanded)	15
2.	Journals (others)	3
3.	Conference (International)	16
4.	Conference (National)	5
5.	No. of Ph.Ds awarded	5
6.	No. of books /books chapters published	2
7.	Fellowships / Internship / Abroad Visits (Faculty / Students)	8 (Student internship – Abroad Industries/ Institutes)
8.	Industrial Lectures	5
9.	Guest Lectures	7
10.	Technical Symposium / Conferences	8



Department : Computer Applications

Department of Computer Applications is one of the pioneering departments of the Institute that offers Information Technology programmes such as Master of Computer Applications (MCA), M.Sc (Computer Science). It is one among the top five offering MCA programme in the country. It is committed to impart quality education in the sub-fields of IT, a field growing in leaps and bounds. The vision of the department is towards building a school of Information Science and Technology conforming to international standards to provide valuable resources to the society. The department has nominated as Centre for support under the FIST program of DST from 2016 to five years. MCA student Mr.Vikaskumar (205114067) has secured first position in Progress (Online Coding) and Dart-N-Code (Offline Coding) during Techfest conducted by PSG Tech, Coimbatore. Deepika Mewde, has won 4*100m relay race silver medal and 4*400m relay race bronze medal in Sangram'17, IIT Roorkee. Vengadeswaran, Research Scholar has been granted Microsoft Azure Research Award for the year 2017.

Summary (2016-17)

S. No.	Details	Total Nos.
1.	Research papers in Journals / International (SCI and SCI Expanded)	3
2.	Journals (others)	5
3.	Conference (International)	10
4.	No. of Ph.Ds awarded / Submitted	Awarded 2 / Submitted 2
5.	Abroad Visits	3
	Internship (Student)	1
6.	Industrial Lectures	4
7.	Guest Lectures	10
8.	Technical Symposium	2
	Conferences (National)	1
	Conferences (International)	2



DST Sponsored Workshop on Data Science Research - Dept. of CA and Dept. of CSE – 2016



International Conference FEAST 2017 – Dept. of CA & Dept. of Maths - 2017

Department : Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering had made good strides in the past year in both academic and research excellence. The NBA team had visited the Department for the accreditation of PG (M.Tech) in Power Systems Specialization during April 8-10th, 2016 and had accredited the course by giving a status of 'A' Grade for a period of 5 years. Sponsored projects worth 1.55 Crore had been granted to the Department. Six B.Tech students completed their internship program in abroad. Two PhD students had received their "POSOCO Power System Award (PPSA-2017)" from Power System Operation Corporation (POSOCO). Four faculty of the department had been awarded "Young Faculty Research Fellowship" by Ministry of Electronics and Information Technology (MeitY), Government of India, 2016-2017. Also, an increase in both research journals and conference publications is observed in the academic year April 2016 to March 2017.

Summary (2016-17)

Sl. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	53			
2.	Conference (International)	28			
3.	Sponsored Projects	Nos	5	Amount	155.3888 Lakhs
4.	No. of Ph.Ds awarded / Submitted	6			
5.	No. of Patents obtained / applied for	2			
6.	No. of books /books chapters published	3			
7.	Fellowships / Internship / Abroad Visits (Faculty / Students)	27			
8.	Industrial Lectures	4			
9.	Guest Lectures	35			
10.	Technical Symposium / Conferences	1			



CURRENTS-2017 (16th February 2017)
 Dr. Murthy Remilla, Deputy Project Director
 XPOSAT Satellite Program, ISRO



A two day workshop for TNEB Engineers
 organized by ERNET India and NIT-T during 20th
 and 21st January 2017

Department : Electronics and Communication Engineering

Our faculty members organized workshops in different domain like EDA tools, 5G & IOT, Cognitive radio networks and Tina TI Software and ASLK prokit. Dr. G. Lakshminarayanan, Dr. B. Venkataramani, Dr. S. R. Balasundaram got sponsored project in the title of "Full Duplex and Cognitive Radio Architectures for Spectrally Efficient Communications" under UGC- UKIERI with an amount of 107.06 lakhs. Our Department faculty members, students and research scholars were participated and presented research articles in various domain in reputed International conferences like IEEE conferences held at Calicut, Trivandrum, Kottayam and Bangalore. Dr. P. Palinisamy presented his paper in IEEE TENCON 2016 Conference held at Singapore in 2016. Dr. B. Venkataramani has established the Community Radio station and set up Internet radio server for the institution by the department. He has procured 500 VDSL 2 modems at the cost of 19 lakhs to provide LAN connectivity at the quarters through intercom and also he procured and installed lecture capture hardware and accessories at the cost of Rs. 9.3 lakhs, video servers and streaming software at the cost of Rs. 25 lakhs, tablets and smart interactive boards at the cost of Rs.10 lakhs. Dr.S.Ragavan has acted as invited speaker and resource person for Indian Antenna Week, 4th Annual Telemedicine Society of India, Research week. Dr.P. Muthuchidambaranathan, Dr. D. Sriramkumar and Dr. S. Deivalakshmi acted as guest speaker for various programmes including technical symposium and workshops. Probe 2017 A National Level Technical Symposium of ECE Department celebrated it's silver jubilee edition between 3rd February to 5th February with the theme "Swatanrya". Various industry oriented workshops ranging from Analog System Design by Texas Instruments, 'Gesture it' workshop on sixth sense technology by indiya technologies to IoT using PSOC Bluetooth Low Energy by Cypress Semiconductors were conducted during the symposium. Events like Embedtronix, Make-A-Thon, Connected India Challenge, Matrix (matlab coding event), cryptech attracted students from all around the country and provided them a platform to test their skills.

Summary (2016-17)

S. No.	Details	Total Nos.			
		Nos	1	Amount	107.06 L
1.	Research papers in Journals / International (SCI and SCI Expanded)	17			
2.	Conference (International)	26			
3.	Sponsored Projects	Nos	1	Amount	107.06 L
4.	No. of Ph.Ds awarded / Submitted	5			
5.	Industrial Lectures	12			
6.	Guest Lectures	14			
7.	Technical Symposium / Conferences	1			

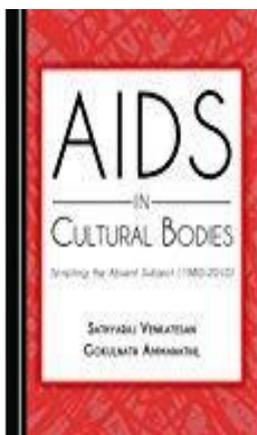
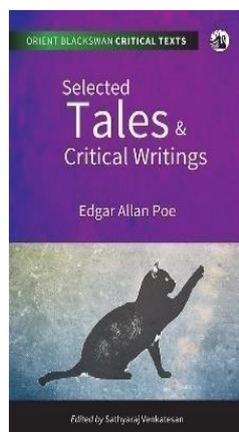


Department : Humanities and Social Sciences

Dr. R. Murugesan, Associate Professor in Economics did Secondment at AIT Bangkok for a semester. Over the years, our research publications have witnessed a steady improvement and it stands at 37 this year. Dr. V. Sathyaraj, Assistant Professor in English published two books. Dr. V. Vinod was the General Editor of 12-volume Malayalam Encyclopedia of Mythology. The department has a 4 projects worth Rs. 54 Lakhs and Our Department has also been selected to conduct Training programmes by the sponsoring Institutions.

Summary (2016-17)

S. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	19			
2.	Journals (others)	5			
3.	Conference (International)	12			
4.	Conference (National)	3			
5.	Sponsored Projects	No's	4	Amount:	54 Lakhs
6.	Consultancy work	No's:		Total Amount: Rs. 0.1 Lakh	
7.	No. of books /books chapters published	Books: 2 Chapters: 4			
8.	Fellowships / Internship / Abroad Visits (Faculty / Students)	3 Faculty members attended Conferences abroad. One Faculty did Secondment at AIT, Bangkok for a semester			
9.	Industrial Lectures	4			
10.	Guest Lectures	27			
11.	Technical Symposium / Conferences	3			

**Books published by Dr. V. Sathyaraj****12 Volume Encyclopedia in Malayalam
General Editor: Dr. V. Vinod**

Department: Instrumentation and control engineering

Department of Instrumentation and Control Engineering was established in the year 1993 and the first batch of students graduated from the department in the year 1997. It offers one Under-Graduate programme (B.Tech.), one Post-Graduate programmes M.Tech. (Process Control and Instrumentation) and also research programmes (M.S. and Ph.D.) in the various fields of Instrumentation and Control Engineering for both regular and part-time scholars. M.Tech. (PCI) is an interdisciplinary programme. The curriculum is being updated regularly with inputs from industries and reputed educational institutions. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at both UG and PG levels. Dr. N. Sivakumaran, Dr. K. Srinivasan are awarded Young Faculty Research Fellowship and Research Grant by Ministry of Electronics and IT under Gol. G. Sruthi, ParthaSarathi V, G. Uma, M. Umapathy got Best Paper Award "Design of closed loop micro accelerometer for performance improvement" Eighth I SSS National Conference on MEMS, Smart Materials, Structures and Systems. IIT Kanpur, Kanpur.2016. N.Sivakumaran, S.Revathi, V.R.Sinija got Best Oral Presentation award, ETAE 16 at IIT, Kharagpur. Sachin Chaurasia and CM Harika both Secured 1st rank, Instrumentation Engineering conducted by Indian Engineering Olympiad 2017.

Summary (2016-17)

S. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	20			
2.	Conference (International)	20			
3.	Conference (National)	03			
4.	Sponsored Projects	Nos	05	Amount	222.99 lakhs
5.	Consultancy work	No	1	Amount	3.44 Lakhs
6.	No. of Ph.Ds awarded / Submitted	02			
7.	No. of books /books chapters published	01			
8.	Fellowships / Internship / Abroad Visits (Faculty / Students)	Student: 02			
9.	Industrial Lectures	06			
10.	Guest Lectures	04			



Department : Management Studies

DoMS, NITT has been a guiding star that has consistently turned out to be synonymous with brilliance and has set up a benchmark for steadfast quality. It has provided means to unveil its own sense of balance in creating dexterous experts for the business. Diligent Work, Perseverance, Passion, and Integrity are a portion of the assets that are important to accomplish achievements. DoMS heightens a collection of eminent professors and ambitious students that shape its backbone. It takes magnificent care in guaranteeing an ideal student-educator proportion to urge better learning and to give proper direction. The foundation sees the way that its students would be the impulse of advance for the change without limits and in this way accept exceptional responsibility in adorning them as pioneers of tomorrow. DoMS comprehends and gives students full opportunity to settle on their academic elevation in light of their work understanding, scholastic foundation and in addition their inclination towards defies and in this way furnishes them with a situation favorable in upgrading their learning knowledge. This competence skill of students has taken DoMS to be the unbeatable in various management related competitions held in many such reputed institutions and have consistently ranked on par with IITs and IIMs. To complement further, faculties and scholars of DoMS have proven their competency in drudging on publishing research papers in refereed journals, organizing workshops, participating in international conferences. Our faculties have also broaden their competency that drives their innovative thoughts and have succeeded to apply their innovation for patent rights.

Summary (2016-17)

S. No.	Details	Total Nos.
1.	Research papers in Journals / International (SCI and SCI Expanded)	3
2.	Journals (others)	5
3.	Conference (International)	4
4.	No. of Patents obtained / applied for	1 (applied)
5.	Guest Lectures	2
6.	Technical Symposium / Conferences	Workshops Organised – 1 Participated - 1



Department : Mathematics

Prof. R. Ponalagusamy and Prof T. N. Janakiraman organized an International Conference on Frontiers in Engineering, Applied Science and Technology on 31st, March 2017 at our campus. Dr.V.Shanthi, Assistant Professor, got sanctioned one DST-SERB Project for Rs.15,29,000, for 3 years from March 27, 2017, Also conducted one workshop IWCAAM, 6-10 June 2016, sponsored by DST, NBHM, INSA. One of the Ph.D. students Mr.S. Jeevaraj, has received a Direct Senior Research Fellowship (CSIR-SRF) by Council of Scientific and Industrial Research, New Delhi, India for the year 2016 under the guidance of Dr. V. Lakshmana Gomathi Nayagam. Over the years, our research publications have witnessed a steady improvement and it stands at 21 this year. The department of Mathematics has 2 projects worth of Rs. 27.29 Lakhs.

Summary (2016-17)

S. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	21			
2.	Journals (others)	10			
3.	Conference (International)	3			
4.	Conference (National)	2			
5.	Sponsored Projects	No's:	2	Amount:	27.29 Lakhs
6.	No. of books / books chapters published	1			



Department: Mechanical Engineering

Department of Mechanical Engineering has achieved a significant milestone this academic year by getting three sponsored projects of total worth Rs 78 Lakhs from LPSC-ISRO, ISRO and BARC. The principal investigators for these projects are Dr. S.P. Sivapirakasam, Dr.N.Sivashanmugam and Dr. V. Mariappan respectively. The department also got two more sponsored projects from DST-IPHEE, DST-UKERI in collaboration with Electrical Engineering and Electronics Department of our institute and PSG college of Technology. The co-principal Investigators for these two projects are Dr. V. Mariappan and Dr.R.Anand respectively. Students of Mechanical Engineering have achieved remarkable feats in academics, co-curricular and extracurricular activities. The technical clubs of Mechanical Engineering - PSI Racing, 3D Aero Modelling and Designer's Consortium, have won several technical competitions conducted all over India. The PSI Racing club won second place in Suspension and traction event at SAEBAJA 2016, held at Indore. 3D Aero Modelling secured second place in Hover race competition conducted at IIT Madras in December 2016. The models designed by Designer's Consortium club were recognized throughout India through several newspaper articles and also won the third place in Indian Railway Design Challenge during Shaastra'17 - International Technical Festival of IIT-Madras. During April 2016, the students team Mechanical Engineering won the NITT Overall trophy 2016 for the best overall performance in SportsFete and NITTFEST against other branch students. In the year of 2017, for the first time in history, the girls made an incredible contribution to the points table and the boys bagged the first position in Basketball, Football, Kho-Kho and Tennis, which helped us secure second place in SportsFete that was conducted in the month of Feb 2017. Synergy 2017, the technical symposium of our department, conducted during the month of March 2017, witnessed a footfall of over 850 students, which was 20% more strength than Synergy 2016. The symposium aided in enhancing the skill-set, knowledge and interest in the field of mechanical engineering through various innovative workshops, events and guest lectures.

Summary (2016-17)

S.No.	Details	Total Nos.			
1	Research papers in Journals / International (SCI and SCI Expanded)	21			
2	Journals (others)	2			
3	Conference (International)	7			
5	Sponsored Projects	No's:	5	Amount: in Rs	78 Lakh s
6	Consultancy work	No's:	3	Total Amount: in Rs	8.5 Lakh s
7	No. of Ph.Ds awarded / Submitted	5			
10	Fellowships / Internship / Abroad Visits (Faculty / Students)	12			
11	Industrial Lectures	14			
12	Guest Lectures	11			
13	Technical Symposium / Conferences	01			



Certificates being presented to the winners of Synergy 2017 events



Overall trophy being presented to the Mechanical Engineering Department during April 2016

Department : Metallurgical and Materials Engineering

Prof. S. Raman Sankaranarayanan has taken charge as a Chairman, Indian Institute of Metals, Trichy Chapter in an AGM held at IIM office on 26th April 2016(after two decades). Four of our final year undergraduate students (Yaswi Singh – Stanford University, Venkatesh-University of Illinois, Rakshantha - University of Florida and Haripriya - New York University) and an M.S scholar (S.Gowtham – Iowa State University) secured admission for higher studies at top ranked universities in USA. Summer Internship details of Our pre-final year undergraduate students V.Arthi-S.N.Bose Scholarship at Carnegie Mellon University, USA,, DandalaSrija–DAAD, Kalyan VNS-NTU, Singapore, S Divya & Sudarshan D-Mitec. A three day International conference “IMME17” was successfully conducted by our faculty members. A series of four workshops on different areas of research were organized by our faculty members in this academic year. Indentation fracture toughness measurement unit and chiller were established to strengthen our research activities.

Summary (2016-17)

S. No.	Details	Total Nos.			
1.	Journals / International	52			
2.	Conference / International	18			
3.	Sponsored Projects	No's:	2	Amount:	71.73 lakhs
4.	Consultancy work	No's:	3	Total Amount:	0.45 lakhs
5.	No. of Ph.D. produced	9			
6.	Fellowships / Internship in Abroad (Students)	5			
7.	Industrial Lectures	3			
8.	Guest Lectures	3			
9.	Technical Symposium	1			



Department : Physics

Dept. of physics is one of the best departments in NIT. Dept of physics cater all the 1 year B.Tech students admitted in NIT- Tiruchirappalli. Dept. of physics (DoPh) running two P.G programmes viz, M.Sc (Phys) and M.Tech (NDT). Dept of physics has as many as 13 faculty members with strong academic and research background. The faculty of DoPh published research articles in as many as 65 international journals 44, international conferences and 6 national conferences in te academic year 2016-17. Three Ph.Ds have been produced till date (5-4-2017). Two projects worth of 61.77 lakh have been sanctioned for the department from the funding agency. Seven conference/workshop/symposium have been conducted by faculty of DoPh. Dr. R. Nagalakshmi has been awarded National Slovak Scholarship for Teachers by Slovak Academy of Sciences, Slovakia. Dr. S .Manivannan won the Best Presentation Awards in 3rd International Conference on Nanoscience and Nanotechnology – 2016 held at Colombo, Srilanka. Also, Dr. S. Manivannan submitted two Indian patents in this academic year.

Summary (2016-17)

S. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	65			
2.	Conference (International)	44			
3.	Conference (National)	06			
4.	Sponsored Projects	Nos	02	Amount	61.77 Lakhs
5.	No. of Ph.Ds awarded / Submitted	06			
6.	No. of Patents obtained / applied for	02			
7.	No. of books /books chapters published	01			
8.	Fellowships / Internship / Abroad Visits (Faculty / Students)	11			
9.	Industrial Lectures	02			
10.	Guest Lectures	03 (by physics faculty 21- outside)			
11.	Technical Symposium / Conferences	07			



INPHYNIT'17



QUALITY'17

Department: Production Engineering

The vision of production engineering is to establish a world class academy for manufacturing and industrial engineering. The department offers engineering consultancy in the areas of design, manufacturing and resource management. The department maintains a close liaison with a large number of universities and industries within the country and across through faculty research and collaborative projects. 5 sponsored project works worth Rs. 93.41 lakhs and consultancy work worth Rs. 13.88 lakhs was granted in this academic year. Also, 3 major equipment of total worth Rs. 25.61 lakhs were purchased. A faculty has been awarded gold medal in IEEE national essay writing competition. The national level technical symposium 'PRODIGY 2017' attracts thousands of students. Several workshops, events and panel discussions were organized under the supervision of invited eminent experts. An information session was organized with DAAD Chennai. The seminar was addressed by personnel from German Information Center and the opportunities for research and career in Germany were presented by experts from German Academic Exchange Service. Data Analytics workshop was organized where a comprehensive course on R language and R Studio was framed by students experienced in the field in both theory and practical sessions. The department has molded good number of talented candidates who got recruited by core reputed companies like Alstom, TATA motors, Vedanta, Renault, Nissan, L&T and few others in this academic year.

Summary (2016-17)

S. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	51			
2.	Conference (International)	14			
3.	Sponsored Projects	Nos	5	Amount	Rs. 93.41 lakhs
4.	Consultancy work	No	2	Amount	Rs. 13.88 lakhs
5.	No. of Ph.Ds awarded / Submitted	7			
6.	No. of books /books chapters published	4			
7.	Fellowships / Internship / Abroad Visits (Faculty / Students)	1			
8.	Guest Lectures	30			
9.	Technical Symposium / Conferences	9 (workshop)			



Department : Energy and Environment

Flexible Curriculum was introduced for M.Tech. (Energy Engg) including internship, mini-project and one online course. Minor in Energy Engineering is offered for B.Tech. from January 2017 session. Department is awarded with **Swacchh Bharath Award** by the Institute for internal lab maintenance. Dr.Sankaran who completed the PhD program under Prime Minister Fellowship is awarded with Post-Doctoral Fellowship at Nanyang Technological University, Singapore. Surveillance audit (ISO 9001:2008) for testing and analysis lab was completed in December 2016 successfully. Mr.G.Suriya Narayanan, working as JRF in BHEL sponsored project has isolated and identified 9 micro-algae species which were registered in GenBank genomic DNA database. Successfully conducted three numbers of one week workshop on Waste Management sponsored by TEQIP from 09-05-2016 to 14-05-2016, Energy Audit and Management workshop on self-sponsored mode from 01-08-2016 to 05-08-2016, and Computational Fluid Dynamics workshop on self- sponsored mode from 12-12-2016 to 16-12-2016. Energy Day was celebrated on April 14, 2016 to create awareness about renewable energy.

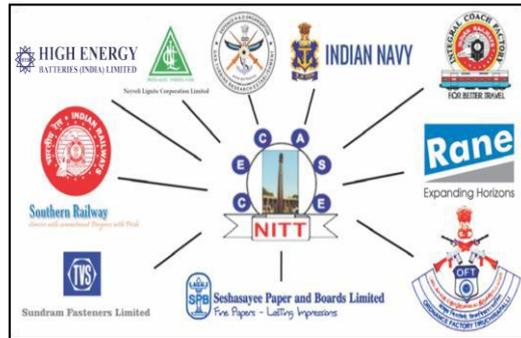
Summary (2016-17)

S. No.	Details	Total Nos.
1.	Research papers in Journals / International (SCI and SCI Expanded)	14
2.	Journals (others)	3
3.	Conference (International)	6
4.	No. of Ph.Ds awarded / Submitted	2
5.	Fellowships / Internship / Abroad Visits (Faculty / Students)	1
6.	Guest Lectures	5



Centre of Excellence in Corrosion and Surface Engineering (CECASE)

Since its inception in 2012, CECASE has been witnessing exponential growth in terms of conduct of 15 events including a National Conference. At present, 53 CECASE Scholars (MS33 & PhD22) drawn from industries / R&D are pursuing under part time external category. One MS & One PhD Scholar have become now alumni of CECASE. CECASE has signed MoUs with CECRI, Karaikudi., M/s.High Energy Batteries (India) Ltd., Mathur, Trichy, M/s. Seshasayee Paper and Boards Ltd., Erode., M/s. Ponni Sugars, Erode., GTRE-DRDO, Bangalore. CECASE has established new R&D labs wherein equipments worth of Rs. 4.0 Crores have been housed and commissioned. A sponsored project, sanctioned to CECASE, during Nov 2016 by GTRE-DRDO Bangalore, is progressing well. For the current academic year 2016-17, 15 papers have been published with 03 Guest lectures & 02 seminars conducted. **STAKE HOLDERS - CUM - BENEFICIARIES OF CECASE ARE:**



Summary (2016-17)

S. No.	Details	Total Nos.			
		No's:	1	Amount:	Rs.9.8 lakhs
1.	Research papers in Journals / International (SCI and SCI Expanded)				15
2.	Sponsored Projects	No's:	1	Amount:	Rs.9.8 lakhs
3.	No. of Ph.Ds awarded / Submitted				1
4.	Guest Lectures				3
5.	Technical Symposium / Conferences				2



Delegates of the Event GLOBE-2016 Conducted by CECASE on 13.05.2016



Training Programme for Technical Staff of Naval Armament Inspectorate (NAI), Goa

Central Library

The Institute has a modern Central Library with more than two and half lakhs of documents consisting of Technical Books, Reports, Standards, CD-ROMS, Audio Visual Educational Cassettes and Back volumes of Journals. The library subscribes to 164 periodicals (print) plus 7000+ E-Journals and 700+ E-books besides a holding of 17690 Back volumes of Journals. The library also contains 16,750 books in the Book Bank scheme. Digital Knowledge Centre has been established with 70 Computer systems provided with DVD-RW Drive. Wi-Fi facility has been provided for laptop users. CCTV Web cameras have been fixed in the Central Library and the entire building is under camera surveillance. RFID Technology of Document Identification and Library Security System have been implemented for the library functions and services.

SPECIAL SERVICES: Web OPAC Service [Online Public Access Catalog (Web OPAC), RFID oriented automated Circulation Service, Current awareness service, CD-ROM search service, Audio-Visual service (Educational cassettes), Membership to external agencies and individuals, Holding British Council Library Institutional membership, Providing access to more than 7000 on-line e-journals through ESS Consortia, and access to more than 700 e-books service, General and Textbooks Reading services, Document Delivery Services have been provided through DELNET & JCCC@INDEST consortia.

Summary (2016-17)

S. No.	Details	Total Nos.
1.	Research papers in Journals / International (SCI and SCI Expanded)	1
2.	Conference (International)	1
3.	Conference (National)	2





Training and Placement

Notable significant events and national level awards:

1. The Institute received the prestigious National Award for **Excellence in Employability** at the FICCI - 12th Higher Education Summit '16.
2. The Institute received the prestigious National Award for **Excellence in Serving Social Cause** at the ASSOCHAM - 10th Higher Education Summit '17 spearheaded under the Umbrella social outreach movement - HumaNITTy with participation of Apeksha, PPC, PSR, SEC, FSR, SPIRIT-Ed HHNITT, Prayer Cell and NSS
3. **5-day residential computer training program for 50 visually impaired** students / teachers of Trichy and neighboring districts was conducted during Dec'16
4. One day motivational training program for visually impaired persons in **association with NIVH** under Ministry of Social Justice and Empowerment, Govt of india, was conducted with **free distribution of 90 Plectalk** Daisy text to voice reader devices to the participants

Notable T&P related achievements

During the year under report (2016-17), the students' placement record continues to be maintained at higher percentages despite global sluggishness. The overall percentage of placements as on 28.03.2017 for under graduate programme is **95.3%** and Post Graduate Programme is **75.9%**. The placement process is still in progress. Summary details are given below:

Notable Achievement: (As on 28.03.2017)

No. of Companies Visited	No. of Students Placed	Percentage	Double offer (UG & PG)
217	UG : 552 PG : 363	UG : 95.3 PG : 75.9	UG : 27 PG : 06

During the year, a special personality development program specifically for PG students was carried out under TEQIP. With the placement process still in progress, the Institute is expected to end the year with near normal placements, despite unfavorable global factors.

Summary (2016-17)

S. No.	Name	Details
1.	Technical Symposium / Conferences	5-day residential computer Training program for visually impaired students and teachers – Dec'16

Computer Support Group

Through the CSG, NIT-T is now connected to the Internet via two Internet Service Providers (ISP): 150 Mbps leased line from Software Technology Park of India (STPi) and 1Gbps shared connectivity by National Informatics Centre (NIC) using Bharat Sanchar Nigam Ltd (BSNL) and Railnet as a part of National Knowledge Network (NKN) and National Mission on Education through Information & Communication Technology (NME-ICT). The CSG has been providing infrastructure for administering GMAT (Graduate Management Aptitude Test), NSCA (National Strength and Conditioning Association), UKCAT (UK Clinical Aptitude Test), Microsoft Certification since March 2016. So far, 60 students have appeared for this exam through our center. The CSG signed a Microsoft Academic Volume Licensing program known as Microsoft Open Value Subscription Education Solutions, Microsoft Imagine Premium (formerly known as Microsoft Dreamspark Premium). Matlab 2016 Std Configuration Total Academic License (TAH) 3 Years term license is purchased by CSG. CSG has Ansys 17 includes CFX and ICEM CFD - 50 user advance license and 5 user research license, etc.

Summary (2016-17)

S. No.	Name	Details
1.	Technical Symposium / Conferences	Master Your Moodle March 22-23, 2017





NATIONAL CADET CORPS (NCC)

In 2016-2017, A Flight NCC organized 35 official parades. Every week, cadets in uniform assembled at the NSO ground. The 3rd year Cadets were responsible for the training of primarily 2nd year cadets and through them, the 1st year cadets. The parades involved practical and theory sessions. In the practical sessions, cadets were trained in the execution of the drill sequence. The 2nd year cadets were trained in the execution of rifle drill and the 1st year cadets were trained in the execution of foot drill. They were taught the commands by first explaining the specifications and minute details of each command followed by rigorous practice. In the theory sessions, cadets were educated about NCC and the responsibilities of a cadet towards society. Each parade ended with the senior cadets motivating the junior cadets to bring out the best in them. Refreshments were provided to the cadets at the end of each parade

The NCC cadets have participated /organized the following events in 2016-17

Tree plantation	22/07/2016-23/07/2016
Independence day	15/08/2016
Orphanage visit	03/09/2016
International girl child day	15/10/2016
Blood donation camp	22/10/2016
Campus development programme	28/10/2016
Catc camp	9/12/2016-18/12/2016
Republic day	26/01/2017
Eye-check up camp	17/02/2017-19/02/2017



**SPORTS ACHIEVEMENTS**

S. No.	Sport	Achievement
1.	ATHLETICS	<p>Men: Spardha'16 (IIT BHU) :- Long Jump Bronze Shot Put Bronze Sangram'17 (IIT Roorkee) :- Long Jump Silver Triple Jump Silver</p> <p>Women: Spardha'16 (IIT BHU) :- High Jump Bronze 4*100M Relay Silver Sangram'17 (IIT Roorkee) :- High Jump Silver Shot Put Silver Discuss Bronze 100M Silver 200M Bronze 4*100M Silver 4*400M Bronze</p>
2.	BADMINTON	<p>Men: Third Place at All India Inter NIT Tournament (NIT Tiruchirappalli) Runners Up at Sangram'17 (IIT Roorkee)</p> <p>Women: Winners at All India Inter NIT Tournament (NIT Tiruchirappalli) Runners Up at Sangram'17 (IIT Roorkee)</p>
3.	BASKETBALL	<p>Women: Winners at Colosseum'17 (Sastra University)</p>
4.	CARROM	<p>Men: Third Place at Spardha'16 (IIT BHU)</p> <p>Women: Winners at Spardha'16 (IIT BHU)</p>
5.	CHESS	<p>Men: Runners Up at Sportiva'16 (PITS Thanjavur) Winners at Spardha'16 (IIT BHU) Winners at Sangram'17 (IIT Roorkee)</p> <p>Women: Winners at Spardha'16 (IIT BHU)</p>
6.	FOOTBALL	Third Place at Riveria'17 (VIT Vellore)
7.	HOCKEY	Runners Up at All India Inter NIT Tournament (NITK Surathkal)



8.	KABBADI	Runners Up at Spardha'16 (IIT BHU) Winners at Spree'17 (BITS Goa)
9.	POWERLIFTING	Spardha 16 (IIT BHU): 83 Kg category: Silver 83+ Kg category: Silver 74 Kg category: Silver Sangram 17 (IIT Roorkee): 74 Kg category: Gold
9.	SQUASH	Winners at Sportiva'16 (PITS Thanjavur) Third Place at Sportiva'16 (PITS Thanjavur) Runners Up at Riveria'17 (VIT Vellore)
10.	SWIMMING	Men: BOSM'16 (BITS Pilani) :- 200M Breast stroke Silver 400M Freestyle Silver 200M Freestyle Bronze 200M Breast stroke Bronze 800M Freestyle Bronze 100M Butterfly Bronze 100M Breast stroke Bronze 4*50M Medley Relay Bronze 4*50M Freestyle Relay Bronze All India Inter NIT Tournament (NIT Rourkela):- 50M Freestyle Gold 50M Breast stroke Gold 100M Breast Stroke Gold 200M Freestyle Bronze 400M Freestyle Bronze Women BOSM'16 (BITS Pilani) :- 100M Backstroke Gold 50M Backstroke Gold 100M Breast stroke Silver 50M Butterfly Silver 4*50M Medley Relay Silver 4*50M Freestyle Relay Silver 50M Breast stroke Bronze 100M Backstroke Bronze 200M Individual Medley Bronze 200M Freestyle Bronze 100M Breast stroke Bronze All India Inter NIT Tournament (NIT Rourkela):- 50M Back Stroke Gold 4*50M Freestyle Relay Gold



		50M Back Stroke Silver 50M Freestyle Bronze 100M Freestyle Bronze 50M Breast Stroke Bronze
11.	TAEKWONDO	Third place at Spardha 16 (IIT BHU)
12.	TABLE TENNIS	Men: Winners at Spardha 16 (IIT BHU) Third Place at Sportiva 16 (PITS Thanjavur) Women: Third place at Spardha 16 (IIT BHU) Third place at Riviera 17 (VIT Vellore) Runners Up at Colloseum 17 (SASTRA University)
13.	TENNIS	Men: Winners at Spardha 16 (IIT BHU) Winners at All India Inter NIT tournament (NIT Tiruchirappalli) Bronze at Colloseum 17 (SASTRA University) Women: Winner at Sangram 17 (IIT Roorkee) Runners Up at All India Inter NIT tournament (NIT Tiruchirappalli)
14.	VOLLEYBALL	Men: Winners at All India Inter NIT tournament (NITK Surathkal)



2nd round hockey match at Spardha-2016 (IIT-BHU)



Tennis men finals at Spardha-2016 (IIT-BHU)

STUDENTS ACTIVITIES

FESTEMBER 2016

Festember'16, the cultural fest of National Institute of Technology, Tiruchirappalli, culminated in a grand three-day extravaganza from September 22nd to 25th 2016. In what could be described as an unqualified success, Festember 2016 built on the foundation and heritage of 40 previous editions. Organized entirely by students, the fest oozed exuberance and color. 'Cultural Syncretism' is the central theme of the 2016 edition, and a testament to the joy the fest takes in paying homage to the great civilizations that once sprawled across the globe. It was a mission then, that the students set out to create a confluence of cultures in their campus. The ball was set to roll with pre-Festember outreach events such as the Rolling Reels Film Festival and Gigahertz rock band competition in Hyderabad, Bangalore and Chennai. Well received, the events pushed Festember's profile as a national event that just had to go on everyone's calendar. Simultaneously, the fest worked on various social responsibility endeavors. The Festember social responsibility team introduced activities like Gold Dustbin, Paperback, etc. to make sure that everyone gave back more than what they took from this world.

Festember'16 got off to a great start with the appearance of Mr. T. Jeyaseelan, President of Sanmar group, as the Guest of Honor, and Dr. S. Soumya, who graced the inauguration ceremony with her beautiful voice. Generally, visitors to any fest participate mainly in the events organized. Festember however, focusses on a holistic experience, with an array of workshops and informals to capture the imagination of one and all. Festember thus proved to be a fun and learning experience at the same time, for many. The return of the dance crew 'B-Fab', well-regarded in the dance circuit, to judge the dance-related events are responsible for the huge output of energy and enthusiasm.

Each day, the climatic event is the proshow of the day. The Carnatic night event featuring artists Bindu and Ambi Subramaniam got everyone swaying to the beat. Electronic dance music has become a tradition in Festember's of the past and this year was no less with DJ AceAxe. Further, for the first time in history, the fest had an international, all-ladies rock band 'Guns N Hoses' come down to Trichy. On the final night, which featured 'popular' music, Sachin and Jigar, a music duo that performed Bollywood music as a part of 'Coke Studio' truly raised the bar and set new standards for the definition of great music. It is indeed commendable that such talented and committed people got to oversee these 4 memorable days in what was a memorable multi-cultural experience for all who came.



NITTFEST 2016

In 2016, NIT Tiruchirappalli celebrated the 25th edition of NITTFEST, the annual inter departmental literary and cultural festival of NIT Tiruchirappalli. The festival is characterized by the fervor and frenzy with which each department strives to win the NITTFEST Trophy-also called the RECAL Rolling Shield. NITTFEST is one of the most awaited events at NIT Tiruchirappalli. To call it a battle for glory would be an understatement. This is a cultural extravaganza filled with department sentiment, where emotions reach an unprecedented high and a time when heroes emerge in all, NITTFEST promises an experience that would leave an indelible mark on the memories of every NITTian. NITTFEST 2016 was scheduled to span a period of 4 days from 31st March, 2016 to 3rd April, 2016 and was inaugurated by Dr. Karmalkar, Professor of Electrical Engineering at IIT Madras. NITTFEST 2016 was centered with the theme of Pop – Culture. Deign and Ambience teams had put all their efforts to bring the latest trends in their respective fields. We had a series of online posters in Facebook by our Design team about the various pop culture elements here in NIT Tiruchirappalli thereby bringing the theme closer to the students. The perspective lanterns, pop culture stars lanterns and the string art of “25” signifying the silver jubilee edition of NITTFEST attracted everyone’s attention. During the course of the fest 83 events were conducted constituting 7 major events clusters, i.e. English, Hindi, Tamil and Telugu Literature, followed by Arts, Cultural, Media and Design. The Telugu Literature cluster is introduced for the first time in the festival history of NIT Tiruchirappalli. From Josh Vivian- the founder and solo artist of ‘Namma Ooru Boy Band’ to Pandit Krishna Ballesh, the entire array of events was judged by renowned artists from all over India. In addition to these events, a rifle shooting workshop and a Go-karting race track were set up in the fun zone to cater to the interests of students on campus. It’s a tough job for the participants to run around for events in hot sun of March. This NITTFEST for the first time in the history of NIT Tiruchirappalli, saw water sprinkling systems at the events zone to beat the heat blast. Our Web Development Team came up with a fun filled betting system on every event where the registrants were initially awarded 200 points and the participant with more number of points after the completion of betting all 4 days events was awarded special goodies. Spider, the R&D club of NIT Tiruchirappalli, introduced the heat map android application to identify the supporters at the venue for each event. NITTFEST’16 took its first step towards Social Responsibility and conducted a painting competition for the REC Middle School kids and displayed their art work during the fest.

Last year, the competitive spirit of the fest reached a new high with the introduction of the ‘Overall Trophy’- the trophy for the department that displayed the best collective performance at Sports Fete as well as NITTFEST. The normalized scores of all the departments in both Sports Fete and NITTFEST would be considered for the Trophy. The ECE department walked away with the NITTFEST Trophy, signifying their 8th victory since the inception of NITTFEST. The Department of Mechanical Engineering secured the first ever Overall Trophy.



Inauguration



Performance

PRAGYAN 2017

Pragyan is an ISO 9001 and 20121 certified, student run organization that is hosted every year at NIT, Tiruchirappalli. It is the largest techno-management fest in India and provides one of the best platforms for students and inquisitive minds to showcase their technical skills and knowledge. The inauguration ceremony of Pragyan 2017 took place on March 2nd and was presided over by Dr. R. K. Sinha, the Former Chairman of the Atomic Energy Commission of India. The 13th edition of Pragyan, was held from the 2nd to the 5th of March, 2017, with the theme as 'Light'. This also marked the inaugural Pragyan for NIT-T's director, Dr. Mini Shaji Thomas. With teams from over 60 countries taking part in the contests, Pragyan'17 hosted 50 events spanning across 10 genres and caters to the needs of a distinctive audience. Events that demanded attention include the Pragyan Premier League – an event where the participants manage Cricket teams under a simulated environment, NFS Aqua – where remote controlled boats race to the finish line, and Circuitrix – an event that tests the participants' basic electronics knowledge, making Pragyan omnipresent in the technical world. Pragyan's idea of a Guest Lecture is more than an exchange of knowledge, learning through interaction, and relating an idea to oneself. This Pragyan, the stage was set with a series of nine speakers: Dr. Richard Muller – Professor of Physics at UC Berkeley and a well-known writer on Quora, David J Peterson – a linguist known for creating the Dothraki and Valyrian languages for Game of Thrones and Dr. Ada Yonath – a Nobel Laureate in Chemistry, are just a few a names amongst them. The 2017 edition of Crossfire was as lit as the previous editions. With panelists such as Dr. Santosh Mehrotra – a Professor of Economics at JNU and Mr. T. R. Raghunandan – Co-founder of Avantika Foundation, and headed by Mrs. Dhanya Rajendran – the Editor-in-Chief of the News Minute, the panel discussion on, 'Will equity lead to Equality?', was truly edifying. The entirety of the fest saw a plethora of Workshops and Exhibitions. The workshops aimed at providing hands-on, practical training to the participants included Autotrix – a three-day workshop by Top Engineers on the working of engines, Swarm Robotics – a 2-day workshop by Robotech Labs on AVR Microcontroller programming and robot building and Cross Platform – an app development workshop by EI Systems. International exhibits such as Vantablack – the darkest known substance and the INDRO Humanoid Robot – India's tallest robot were few of the highlight exhibits showcased during Pragyan'17. Honoring its goal to provide opportunities to aspiring minds, Sangam – an intra NIT-T technical exhibition and Ingenium – an inter college technical exhibition were conducted and saw an enthusiastic participation from the student fraternity. The Infotainment shows, to provide a healthy dose of fun and bring out the true celebration, saw performances by Laser Show India, Anta Agni – a pyro and UV light show, Chris Cheong – an illusionist and Biswa Kalyan Rath's Comedy Night. Pragyan'17 came to an end on the evening of March 5th, with the valediction overseen by Dr. Ada Yonath. In all, Pragyan'17 lived up to its name and more, by providing an illuminating experience for everyone.



**Dr. Richard A Muller during
Pragyan'17**



**Dr. Ada Yonath
(Nobel laureate (Chemistry) 2009)**

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE II

The Indian system of engineering education has become vast and so far around 3000 engineering institutions have been established throughout the country. The exponential growth in Technical Education has however not translated into any significant growth in the number of quality graduates due to restricted availability of qualified faculty and better teaching-learning and training facilities. The Ministry of Human Resource Development, Government of India with the support of World Bank through NPIU have competitively selected 127 institutions including 18 Centrally funded institutions, 68 State funded institutions, 22 private unaided institutions and 19 Polytechnics spread across 13 States of India to participate in the first phase of Technical Education Improvement Programme (TEQIP) during 2003-09. After the completion of TEQIP Phase-I, a study was carried out for evaluating the impact of the Programme and learn lessons to continue the development activities initiated through TEQIP-I, a sequel Project is planned as TEQIP-II.

The TEQIP activities are planned on the following lines

- PG infrastructure enhancement activities
- Academic related activities
 - Student research activities
 - Faculty development activities
 - Quality updation / academic reforms
 - Activities under III Cell
 - Activities under Teaching Learning Centre
- Equity Action Plan

It was decided in the TEQIP Review meeting that all activities under TEQIP II must be completed by March, 2017 and TEQIP Phase II closing activities comes to an end by 31st July 2017. TEQIP Phase III will commence soon. A detailed Institutional Development Proposal (IDP) was submitted to NPIU, Noida on 18th Feb 2017 for TEQIP Phase -III.

NATIONAL SERVICE SCHEME (NSS) ACTIVITIES

National Service Scheme volunteers of National Institute of Technology Tiruchirappalli have done several activities inside the campus as well as in nearby adopted villages with an objective of personality development of the students through community service. 507 NSS Volunteers have been registered for the Year 2016-2017.

The following are some of the activities carried out by NSS volunteers

NSS Volunteers took part in educational drive in REC school, Trichy. They taught Maths, science, English the basic concepts regarding their subjects. NSS Volunteers from CSE and ECE Departments conducted a street rally on the occasion of Gandhi Jayanti on 2 October. NSS volunteers had made charts with pictures and quotes that reflect Gandhian Values. NSS volunteers from ICE along with ECE volunteers visited to Malarchi ashram of mentally and physically retarded children and Truwdes ashram of old age people on Gandhi Jayanthi 2nd October, 2016. There were about 150 participants who took part in activities like distributing sweets, cookies, fruits with full enthusiasm and interest. NSS volunteer participated to remove waste and plastics thrown away on the college streets. The plastics were collected and thrown away through proper channel. As a part of unnath bharat abhiyan, NSS volunteers took part in base line survey of NITT-BARC DTDDF project at Chellammal Vidyalaya near



Vengur, Trichy on 04.03.2017 by inviting nearby village people. DTDDF project includes the procurement, installation and demonstration of six BARC products such as Bio Gas Plant, Soil Organic Carbon Detection Kit, Domestic Water Purifier, Foldable Solar Dryer, Vibro Thermal Disinfector, Fluoride Detection Kit. On 26th January chemical department NSS volunteers visited 'OLD AGE HOME', Thuvakhudi with NSS senior volunteers Mr. Pious and NSS faculty coordinator Dr. V. Mariappan.

CENTRE FOR ENTREPRENEURSHIP DEVELOPMENT AND INCUBATION (Established as Section 8 Company under Companies Act, 2013)

Centre for Entrepreneurship Development and Incubation (CEDI), a Section 8 Company promoted by the institute has been in the forefront to promote activities spanning the entire value chain of Innovation and entrepreneurship development.

- Two **Entrepreneurship Awareness Camps (EAC)** of 3-day, sponsored by EDII Ahmedabad (under the DST – NIMAT) were organized at Seetha Lakshmi Ramasami College (SRC), Trichy, 03–05 October, 2016 with participation of about 75 girl students and National Institute of Technology, Trichy, 02–04 November 2016 with participation of about 70 students (Coordinator: Dr. G. Kannabiran).
- A Four-Week **Women Entrepreneurship Development Programme** EDII Ahmedabad (under the DST – NIMAT) was conducted during 16 August – 09 September 2016, with participation of 25 women from local areas (Coordinators: Dr. G. Kannabiran & Dr. R. Leela Velusamy).
- A month-long- programme on **NEEDS (New Entrepreneur cum Enterprise Development Scheme)** of Ministry of SME Development in partnership with EDI, Government of Tamilnadu was conducted 09 January-17 February 2017 (Coordinators: Dr. G. Kannabiran & Dr. R. Leela Velusamy).
- CEDI Co-Sponsored **Ventura** (The Annual Business Plan Competition of E-Cell of NIT Trichy) and supported **Pragyan2017**, as an **Incubation Partner**.
- Organized **Information cum Mentoring events** at Bangalore, Chennai and Coimbatore during this year for the benefit of young graduates.
- Based on a two-level selection process, CEDI has selected the following **four new incubatees** during the current year:
 - Crofters Technologies Pvt Ltd
 - Ideamaginative Solutions Pvt Ltd
 - Gmetri Studio Pvt Ltd
 - SenzWiz Technologies Pvt Ltd

These Incubatees are to be provided with Infrastructure support and Seed Fund of Rs. 25 Lakhs each.

- CEDO- Sonata Partnership for promoting Innovation and Entrepreneurship Development was featured in the **NASSCOM Report on Catalysing Change-CSR Trends 2016**.



CLUBS AND ASSOCIATIONS

1. AAYAM
2. AIESEC
3. AMRUTHAVARSHINI
4. APEKSHAA
5. BALLS BY PICASSO
6. BUILDER'S HIVE
7. COGNITTO
8. DANCE TROUPE
9. DATA BYTE
10. DELTA FORCE
11. DESIGNERS CONSORTIUM
12. DHRUVA
13. ENGINEERS WITHOUT BORDERS
14. ENTREPRENEURSHIP CELL
15. FINE ARTS SOCIETY
16. INCREDIBLE NITT
17. LAKSHYA
18. LEAP
19. LEO CLUB OF NITT ROCKTOWN
20. MAGISTER
21. MARINE TECHNOLOGY SOCIETY
22. MAXIMUS
23. MOCTAIL
24. MUSIC TROUPE
25. NAKSHATRA
26. OFFICE OF ALUMINI RELATIONS
27. OMEGA SCIENCE AND SPIRITUALITY CLUB
28. PHYXION
29. PIXELBUG
30. PSI RACING
31. PUPIL FOR PUPIL COMMITTEE
32. ROBOTICS AND MACHINE INTELLIGENCE
33. ROTARACT CLUB
34. SCHOLARS FORUM
35. SPIDER R &D
36. TAMIL MANDRAM
37. THE THESPIANS' SOCIETY
38. THE THIRD DIMENSION AERO MODELING CLUB
39. TOASTMASTERS INTERNATIONAL

Submitted Institute Data for National Institute Ranking Framework (NIRF)

Institute ID: IR17-ENGG-1-1-370 (ENGINEERING)

Institute Name: National Institute of Technology Tiruchirappalli

Faculty Details

No. of Faculty members with Ph.D qualification	Total no. of Faculty members	No. of Women Faculty members
237	324	106

Student Details

Academic Year	Program Level	Approve Intake of all years of duration	No. of Male students studying in all years of all programs	No. of Female students studying in all year of all programs	Total no. of students studying in all years of all programs	No. of students from Within the State	No. of students from Outside State	No. of students from Outside Country	No. of students from Economically Backward Class	No. of students from Socially Challenged Category (SC, ST & OBC)
2015-16	UG	937	2823	791	3614	1680	1493	441	171	1712
2015-16	PG	812	1152	338	1490	197	1224	69	72	547
2015-16	PHD	505	341	164	505	340	165	0	19	97

Placement and Higher Studies

Academic Year	Program	No. of students placed through campus placement	No. of students selected for Higher Studies	Median salary of placed graduates (in Rs.)
2015-16	PG [2 Years]	334	10	610000
2015-16	PG [3 Years]	52	0	840000
2015-16	UG [4 Years]	599	79	710000
2015-16	UG [5 Years]	3	0	410000

University Exam Details

Academic Year	Program	No. of students admitted in the first year	No. of students admitted through lateral entry	No. of students graduating in minimum stipulated time
2015-16	PG [2 Years]	616	0	577
2015-16	PG [3 Years]	85	0	85
2015-16	UG [4 Years]	844	0	827
2015-16	UG [5 Years]	56	0	50

Financial Resources and its Utilization

Financial Year	Annual Capital Expenditure (in Rs.)	Annual Operational Expenditure (in Rs.)	Total Annual Expenditure (in Rs.)
2013-14	123504000.00	994076000.00	1117580000.00
2014-15	366149000.00	1156717000.00	1522866000.00
2015-16	94234000.00	1315786000.00	1410020000.00

Publication Details (For last 3 calendar years, i.e. 2013, 2014, 2015) (Source of data - Clarivate Analytics, Elsevier B.V. and Indian Citation Index.)

Source of Data	Publications	Citations	Top 25 % Highly Cited Papers
Web of Science	1141	3873	199
Scopus	1161	4403	291

Source of Data	Publications	Citations
Indian Citation Index	36	5

Patent Details (Source of data- Thomson Reuters.)

No. of Patents Granted	No. of Patents Published	Earnings from Patents (in Rs.)
0	3	0

Sponsored Research Project Details

Financial Year	Amount (in Rs.)
2013-14	57974877.00
2014-15	43987300.00
2015-16	171291750.00

Consultancy Project Details

Financial Year	Amount (in Rs.)
2013-14	18944254.00
2014-15	13315557.00
2015-16	16685375.00

Facilities for Physically Challenged Students

Do your institution have Lifts/Ramps ?	Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Do your institution have specially designed toilets for handicapped students?
Yes, in all the buildings	Yes, in all the buildings	Yes, in all the buildings

Perception Details

Peer Perception	Employer Perception	Public Perception
112	11	966

Responsibility for accuracy and authenticity of data lies with the concerned institution.

MEMBERS OF STUDENTS' COUNCIL

President	: Jagani Bhavik Manoj
Vice President	: Akila Avala
General Secretary	: Nirmal Kumar S.
Joint Secretary (PG)	: Abhijith C. H.
Joint Secretary (MS / Ph.D.)	: Rufzal T. A.
Executive Committee	: Nampelli Vamshi Gokul S.

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Dr. C. Nagamani, Dean (Academic)
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